THE AMERICAN ARCHITECT
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THIS ISSUE CONTAINS
DESCRIPTION AND ILLUSTRATION OF THE TOLEDO, OHIO, MUSEUM OF ART, GREEN & WICKS, ARCHITECTS, H. W. WACHTER, ASSOCIATE. SOME ENGLISH SNAP-SHOTS, BY W. GEDNEY BEATTY. EDITORIAL COMMENT. CURRENT, INDUSTRIAL AND BUILDING NEWS.
EFFICIENCY was the keynote in the construction of the new Monroe Building, Chicago. Because of their known efficiency, LUXFER PRISMS were used for daylighting the basement — now there's another example of perfect daylight illumination accomplished through Luxfer Prism Sidewalk Lights.

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PALAZZO DEI GIURECONSULTI (1292), CREMONA, ITALY
It is now generally conceded that a museum of art should be something more than a building affording wall space on which to hang pictures. It, too, must play its part in influencing the minds of those who gather to see the works of great painters and sculptors. It must unconsciously draw them away from the commercial life about them and lift them to an intellectual plane in harmony with the spirit in which those pictures were created. If this were not so, an admirable museum would be afforded in the waiting rooms of our great stations or in the lobbies of our hotels and large apartment houses.

The Toledo Museum of Art stands in the center of a large lot about 400 feet square, with a setting of close standing old, majestic oaks. The architects, Messrs. Green & Wicks, of Buffalo, and H. W. Wachter, associate, not only took every advantage of the natural resources which nature afforded, but they created a pedestal; in other words, they formed a terrace above the level of the sidewalk, upon which to stand their building. The main floor of the building (a one-story structure) is therefore about nine feet above the level of the sidewalk.

The approach, 100 feet wide and 150 feet deep from the sidewalk, leads by granite steps and an intermediate terrace up to the
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main entrance. Upon the intermediate terrace is placed a large pool of water, which suggestively reflects the image of the building. The terrace is surrounded and held in place by a granite retaining wall, and against this a planting of dark green evergreens relieves the white of the marble, particularly during the winter months when snow is on the ground.

On this pedestal with its natural background and well thought out planting the building stands. It is rectangular in plan, with its front broken only by a great loggia which has the same length as the width of the approach. The Ionic order is used in the strictly classical style of the Periclean period, and the building is carried out in white marble with granite base. On either side of the loggia the wall surface is left unbroken, forming a setting for a group of statuary. Above an Ionic entablature and decorative bronze gutter, stretches an unbroken roof. The wall of the loggia is divided into bays by pilasters, and pierced by simple window openings, with a doorway in the center. Through the principal entrance the visitor enters directly into a large sculpture hall on the main floor. This hall is surrounded by Ionic columns, forming bays, which give an admirable frame and setting to the sculpture. On either hand are two smaller galleries for pictures, approached through large openings, establishing a main axis. To the rear of the sculpture court is a hemicycle with a seating capacity of 400. At about the crossing of the two main axes are placed the principal picture galleries. These are so planned as to permit of future extension without interference with the original scheme.

The lighting of the building, both natural and artificial, has received careful study and the results have been declared to be most satisfactory. The unqualified approval expressed by the citizens of Toledo, Ohio, on the occasion of the completion of their art museum, coupled with the more critical
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ONE OF THE PICTURE GALLERIES, THE TOLEDO MUSEUM OF ART
MEMBERS, GREEN & WICKS, ARCHITECTS, MR. H. W. WACHTER, ASSOCIATE.

judgment of men engaged in museum work, and the many words of praise that have been spoken by members of the architectural profession, seems to leave little room for doubt as to the excellence of the work accomplished by the Architect.

SOME ENGLISH SNAPSHOTS
By W. GEDNEY BEATTY
Illustrated by Photographs by the Author

VAST treasure-house of picturesque architecture is England. Seldom is there a district, however small, in which one fails to find something that attracts.

Motoring about London is like turning the leaves of a book of photographs. And this is true in all directions.

Down into Surrey, through the small villages with streets that have changed but little in two hundred years, one passes between the old overhanging house fronts that are as they were built; only here and there, where a much too carefully trowelled patch of cement brings us back to the present.

The weathered surfaces have an especial charm. The much-sought-for roughened surface of the brickwork is here natural. Only time and its disintegrating forces can give that peculiar softness that one seldom forgets. I have seen timber faces that have weathered like stone, the grain deeply bitten and roughened by rain and wind. And the tile roofs are equally spirited with their moss-grown patches and wavering lines charming in their picturesqueness.

Into Kent, from London to Canterbury, is a road of intense interest. Through tree tops and over hedges, against the sky, the towers and spires of the Parish churches are everywhere, and within them is a quiet that belongs to a period on which we dwell with pleasure. Set in the floors of these small churches, within stretches of stone flags and old encaustic tiles, worn so much in places that no pattern remains, are the stone burial
slabs of those who were known when England's civil wars were driving to despair its restfulness and peace. There is enough study in the quaint and beautifully arranged lettering of these grave slabs to fill one with enthusiasm; and seen as they are in the shadows that hang over them, makes one feel the emptiness of today's efforts to reach a point that there is natural and true.

The hand of the restorer has, unfortunately in many instances, been sadly lavish. The proudly tabulated gifts of money for restoration purposes, jars one greatly when the care and thoroughness of the workmen have blotted out the settlements and color tones of time. Many a structure has been artistically ruined. Many churches and cathedrals have alike fallen from their ideals of beauty through this ruthless rebuilding.

It is possible something can be done to prevent a part of this recklessness of reconstruction, if a greater interest were awakened: and this will probably, in time, take place. But for the present much is being irrevocably lost which can never be again brought back.

Restoration is of course a necessity
at times, but it should be done in the spirit and with the aim of continuing the past.

In considering the rapidly disappearing buildings of great age, it is a most fortunate opportunity today to photograph and retain what we can of them.

Some snap-shots obtained by me about London have been here reproduced. They have been quickly taken and are but a few of the things one sees by the roadside, and that I have had the chance to photograph. They are but a fragment of what has already been taken by others and can yet be obtained.

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BETTER PROTECTION FOR FACTORY EMPLOYEES

ALTHOUGH it would seem that the New York Legislature might have shown greater confidence in the results of the State Factory Investigating Committee’s study and deliberations of the past year, and enacted into law a greater number of the measures recommended by that body as designed to afford to factory workers better protection from fire and unsanitary conditions which now menace them, it is nevertheless comforting to know that a very material beginning has at least been made in a work that must necessarily proceed with caution. The measures adopted, to which, it is said, the Governor will unquestionably affix his signature, are without doubt the more important of those suggested for enactment. For example, while disappointment is felt that non-fireproof buildings may still be erected more than two stories in height, the provision which was adopted requiring the equipment of all factories with automatic sprinkler systems would seem to be of greater importance as probably affording a greater measure of protection to life. The most appalling disasters that have occurred in factory buildings in recent times have not been due primarily to their non-fireproof construction, but rather to the highly inflammable nature of their contents and the lack of adequate means for promptly extinguishing incipient fires. No possible number of exits or fire escapes and no known type of fireproof building would have saved the lives of all of the employees of the Triangle Waist factory, many of whom were overcome before they could leave their machines or even approach an exit. It is, of course, unwise to allow a great accumulation of inflammable materials or products in a factory where a number of persons are employed, but even when this hazard is reduced to a minimum, there is still danger of a sudden burst of flames which would render escape from a room impossible, unless some means of instantly quenching the fire is at hand. As far as present knowledge extends, it would seem as though such means is provided only by a properly designed automatic sprinkler system. Its installation in buildings of this class should have been made mandatory years ago.

Other provisions of the newly enacted laws of perhaps less importance, but still proper and necessary, require adequate exits and stairways, a sufficient number of openings leading from work-rooms, guarded by fireproof doors opening outward, or so constructed as to slide freely; proper protection for all lights; compulsory fire drills for employees; the placing of proper receptacles for the reception of all inflammable waste, and prohibit smoking and other unauthorized lights.

Taken first and last, compliance with the new factory laws while not difficult will unquestionably afford a very large measure of protection to both property and life and are therefore to be commended. Undoubtedly, they will be added to as time goes on, yet even as they now stand they will serve
as a model to many states where less stringent regulations exist. But after all, there seems to be no valid reason for architects of factory buildings outside of New York waiting till the public conscience is quickened by some fearful disaster, before incorporating in their plans both the features and the equipment now dictated by the law of the state in some sections but by the laws of humanity everywhere.

**IMPROVEMENT IN MATERIALS AND THEIR USES**

**Probably** the marked improvement in materials and their many new and artistic adaptations constitute one of the most important advances in the art of building that has yet been accomplished in America. While it is generally conceded that architecture is in a sense all-dependent on proportion and form, still without a wise selection of materials the most perfect proportions are unsatisfying in an actual structure. In other words, although proper proportion is unquestionably a first essential of any architectural composition, it is not the only consideration to which the designer must give attention.

Texture and color effects deserve and have received much study during recent years. The result of this study in collaboration with manufacturers is shown in the use of polychrome terra cotta, rough texture brick-work of varying shades, warm tinted stucco with rough cast surface, tile roofing of harmonious colors, flat tints, and other wall coverings of great variety, new forms of construction using concrete reinforced with steel, daylighted interiors, and various other features to be seen in the architecture of the present day, which contrast strongly with that of a few decades ago.

Indeed there are those among us who believe they can discern the gradual evolution of a national style of architecture in America, while yet others are impatient at what they term “slavish copying of old-world forms”; but in any event no one can deny or disparage the great improvement in materials both of construction and decoration that has taken place in recent years. Perhaps this is the first step in the evolution of a distinctive type of architecture. It would seem logical to assume that new forms can best be served by new methods and new materials or materials of different aspect from those which have been used in copying, reproducing and adapting the architecture of the old world. At any rate, notable progress has been made—progress in a direction that can scarcely fail to furnish both the incentive and the means for further advance.

**SOME ENGLISH SNAPSHOTs**

(Continued from page 170)

Let us hope that what remains will attain a growing appreciation, so that the future will retain most of that extant today and let us also hope that the hand of the restorer will be more intelligently guided in the future, than it has been in many instances in the past.
THE TOLEDO, OHIO, MUSEUM OF ART

MESSRS. GREEN & WICKS, ARCHITECTS

MR. H. W. WACHTER, ASSOCIATE
THE TOLEDO, OHIO, MUSEUM OF ART

MESSRS. GREEN & WICKS, ARCHITECTS, MR. H. W. WAGGNER, ASSOCIATE

SOME ENGLISH SNAPSHOTS. BY W. GEDNEY BEATTY
Above, at Left, Gateway, St. Albans, London.  At Right, St. Stephen’s, London

Below, at Left, Detail, Warwick Castle.  At Right, St. Albans Abbey

SOME ENGLISH SNAPSHOTs. BY W. GEDNEY BEATTY
Above, at Left, Seven Oaks. At Right, North Chancel, St. Albans

Below (2), Parish Church, Wrotham

SOME ENGLISH SNAPSHOTS. BY W. GEDNEY BEATTY
The Bulletins issued from the Office of Superintendent of Buildings, Borough of Manhattan, New York, to Keep the Building Public Informed on Matters Affecting Their Interest—

In times past architects of New York, and doubtless also of other cities, have frequently been embarrassed by discovering upon filing plans for a contemplated structure, that some modification or ruling of the Building Department having jurisdiction made the approval of certain features of the plans as drawn, impossible. This ruling had perhaps been in effect for weeks, or even months, without the architect’s knowledge, due to unconcern on the part of the Building Bureau, or possibly lack of facilities for giving the information publicly among those directly affected.

Mr. Rudolph P. Miller, Superintendent of Buildings for the Borough of Manhattan, has adopted a plan which it would seem should overcome this defect, which has often occasioned not only annoyance, but delay and expense, and if so it might with advantage be followed by departments in other boroughs and cities. This plan consists of issuing numbered bulletins covering all rulings, modifications of the Code, and approvals of new materials of construction, as soon as action is taken, posting these in conspicuous position in the Department and sending copies to various publications conducted in the interests of building generally.

Following are portions of the bulletins issued during 1912, to date, which will effect the architect in the preparation of plans:

**BULLETIN No. 1—1912**

**Dance Halls, Concert Halls, Etc.**

The several Superintendents of Buildings of the City of New York, in conference, adopted the following rules governing the erection, conversion or alteration of dance halls and public dancing academies for which licenses are required under Chapter 547, Laws of 1910, and concert halls, music halls and other places of public entertainment not governed by the requirements of Section 109 of the Building Code:

1. Proper plans must be filed showing arrangements of seats, exits, and stage (if any), also bearing capacity of floors (at least 90 lbs. per square foot); also statement of estimated number of persons to be accommodated.

2. No dancing school or academy or dance hall will be allowed above the second floor in any non-fireproof building, the ground floor being considered the first floor.

3. All rooms must be properly ventilated.

4. Adequate toilet accommodations separate for sexes must be provided.

5. Exits: The number and width of exits must conform with the requirements of Section 809 of the Building Code. All exit doors must open outward, and in case of doors opening on outside balconies they must be hung to swing flat against the wall.

No windows will be considered as exits. Outside balconies must be of iron or steel, at least four feet in width, with stairs leading to ground.

Where stairs lead to yard, proper exits must be provided leading to street without re-entering the building, except through fireproof passage.

Every exit must be indicated by a red light placed on the inside, and by a sign with the word “Exit” painted thereon in legible letters not less than eight inches high.

6. No cinematograph or other apparatus for projecting moving pictures shall be set up for use or used in any building, place or public assembly or entertainment, unless such apparatus shall be enclosed in a fireproof booth built in conformity with the requirements of Chapter 756, Laws of 1911.

Note.—In addition to the above requirements, in the Borough of Manhattan, dance halls, dancing academies, etc., will be prohibited in frame buildings above the first floor.

**BULLETIN No. 2—1912**

**Top Floor Partitions in Fireproof Buildings**

In fireproof buildings where the roof beams are sloped, and there is a hung ceiling in the top story, the fireproof partitions, except those enclosing stair halls or elevators, in the top story need not be carried higher than the hung ceiling. This applies to the top story of the building only, it being understood that a so-called pent house, if used for other purposes than the enclosure of elevator machinery, tanks, or forming the bulkhead of stairs, is considered a story of the building.

**BULLETIN No. 3—1912**

**Lime in Cement Mortar**

The use of lime putty or hydrated lime in cement mortar to the extent of not more than 10 per cent. is permitted in any case where cement mortar is required by a building permit or by the Building Code unless the approved application or any amendment thereto calls for pure cement mortar, and provided that no lime of any kind shall be used in cement mortar for foundations or foundation walls.

**BULLETIN No. 4—1912**

**Rules and Regulations Covering the Use of Hollow Tile Building Blocks**

Hollow tile building blocks may be used for buildings not more than thirty-five feet in height under the following conditions: Hollow tile blocks shall be true and square and be of uniform shape and thickness when laid in courses.

No such blocks shall be used until complete and satisfactory tests have been made by the manufacturer under the direction of the Superintendent of Buildings, and until an approval for the use of such blocks has been obtained.

No blocks shall be approved that do not develop a compressive strength of at least 2000 pounds per square inch of net section. In no case shall the hollow spaces of any such blocks exceed 50 per cent. The thickness of walls or webs of such blocks shall not be less than one inch.

The thickness of walls for any building where hollow tile blocks are used shall not be less than is required by the Building Code for brick walls. All such walls shall be laid in Portland cement mortar. All outside walls below grade must be filled in solid with Portland concrete.

No wall composed of hollow tile blocks shall be loaded in excess of one hundred pounds per square inch of the gross section of the wall, i. e., no deduction being made for hollow spaces in figuring the area.

Where wood beams or girders rest on such walls, suitable templates of either iron, continuous tile, or stone, shall be provided under their ends, or the blocks under them shall be solid.

Hollow tile lintels spanning an opening over three feet six inches wide shall be reinforced with cement and steel bars.

All walls of hollow tile blocks, and beams used in same, must be anchored in accordance with Sections 41 and 60 of the Building Code.

No walls constructed of hollow terra cotta blocks shall be broken to receive pipes, but must be recessed when moulded.
Every block must have stamped thereon the name of the manufacturer or manufacturer's mark.

**BULLETIN No. 5—1912**

**Eccentric Loads on Columns**

In order that there may be uniformity of practice, stresses in columns shall be computed as follows: The maximum unit stress shall be taken as the sum of the unit stress due to the concentric load and the algebraic sum of the stresses due to eccentric loads. The unit stress due to any eccentric load shall be determined by dividing the product of that load times its distance from the neutral axis by the section modulus. In steel columns, the total unit stress shall not exceed more than 25 per cent. the stress allowed by Section 138 of the Building Code, but in no case shall it exceed 16,000 pounds per square inch. In cast iron columns, the total unit stress shall in no case exceed the stress fixed by Section 138 of the Building Code.

**BULLETIN No. 6—1912**

**New Materials of Construction**

During the month of January, 1912, approvals have been issued by the Bureau of Buildings, Borough of Manhattan, for the following materials and constructions:

- **Fireproof Floor Fillings**
  - Live Span: 30 ft.
  - Load: 800 lbs.
  - Pierce
    - 8 x 300 lbs.
  - Pierce
    - 6 x 400 lbs.
  - Expanded Metal
    - 8 x 120 lbs.
  - Keystone
    - 3 x 6 x 540 lbs.
  - 1 x 60 lbs.

- **Plaster Board**
  - Sanitary Fireproofing & Contracting Co., 56" plaster board with 10" x 11" plaster strips 9" o.c., cast to the board. Approved for bakery ceilings.

- **BULLETIN No. 7—1912**

**Modification Sections 32 and 36, Building Code**

In re Application No. 3178, Alterations 1911; premises west side Church Street, from Cortlandt to Dey Streets.

In the court of a fireproof office building consisting of a 22-story main building and a 5-story extension, it is proposed to build fireproof corridors eight feet wide and about 17 feet long, connecting each floor of the extension with the corresponding floors of the main building, enclosing the same on the two sides with 6-inch terra cotta block partitions in angle iron frames covered on the outside with metal and supported at each floor on steel girders. At the junction of the corridors with the main building fireproof doors will be provided. The purpose of the corridors is to afford the tenants of the extension access to the elevators located in the main building. A strict interpretation of Sections 32 and 36 of the Building Code would require the two side walls to be of brick 12 inches thick.

A modification of Sections 32 and 36 of the Building Code is requested and hereby granted to permit this form of construction, inasmuch as the proposed construction is lighter than would be required by a strict interpretation of the Building Code, and is sufficient for the purpose of enclosure walls, and as no additional fire hazard will be incurred.

Dated New York, January 23, 1912.

(Signed) RUDOLPH P. MILLER, Superintendent of Buildings.

Approved:

(Signed) GEORGE MACENY, President of the Borough of Manhattan.

A similar modification has been granted in each similar case, a list of which may be obtained from the department.

**BULLETIN No. 9—1912**

**FIREPROOF BEAM PROTECTION**

Robert G. McCartney Construction Co., 622 St. Nicholas Avenue, New York City.—Method of fireproofing bottom flanges of steel beams with segmental arch fill. Consists of a reinforced slab of concrete 14!/2 inches long, 1½ inches thick, of the same mix as arch fill, 1-2-5 stone concrete, or better. Slabs supported by 1" x 5/8 strips 8½ inches on centres, clamped to both sides of the lower flange of the steel beam. The upper sides of the flange to be covered at all parts with 1½ inches of concrete. The ceiling furring bars to be supported independently from the steel beams by clamps and filled in solid with concrete to the depth of the protecting slabs on the steel beam.

**March Meeting, Philadelphia Chapter, A.I.A.**

Reports of committees were proceeded with. The Committee on Preservation of Historic Monuments reported that the work of restoring Congress Hall was proceeding satisfactorily under contract. It further reported the important fact that the committee were in consultation with the city authorities about the Old Market House at Second and Pine Streets, the rumor having been circulated that it was to be demolished. The committee will make recommendations for the retention and use of this attractive old landmark. It was also reported that the committee expected in the near future to visit old Fort Mifflin on the Delaware River to make an examination of the historic buildings there.

Mr. Day also made a general report for the Committee on Municipal Improvements, of which he is chairman.

In the absence of the chairman of the Committee on Education and Program, the president announced that preparations are under way for the entertainment of the State association and visiting members of the other chapters in the State at the next meeting in April at which an informal dinner will be given in connection with the meeting.

The president announced that committees of the chapter had been in consultation with the municipal authorities about matters of importance, among them being the standardization of certain city specifications, municipal tree-planting, relief of traffic congestion. Letters from city officials concerning these and other matters were read to the meeting.

The president also reported that he had attended the meeting before the Congressional Committee in Washington relative to the proposed Lincoln memorial. As Mr. Medary, who was present, had also attended this meeting in his capacity as a director of the Institute, he was called upon to relate the details of the testimony before the Congressional
Committee, which he did. As a result it was shown that the advocates of a "Memorial Roadway" were forced to admit that the appropriation under discussion before the committee would only build an ordinary roadway thirty feet wide by eight inches deep without paying anything for right of way or other necessary incidentals. It was even conclusively shown, and admitted by the roadway advocates, that a memorial roadway such as they proposed would cost very much more than the apparently large estimate of cost put forth by the Institute and others.

Mr. Day was called upon to speak about the "Standard Documents of the Institute" as announced in the call for the meeting. Mr. Day took up in order the schedule of charges, code of ethics, code of competitions, general conditions of specifications, contract forms, etc.

During the course of his remarks he invited discussion which brought out further information of value to all practitioners and showed how useful the documents of the Institute are and how in proportion to their general adoption they can be of great help to every member of the profession.

Among those who took part in the discussion, Mr. L. V. Boyd called attention to advisable modifications in, or rather additions to, the Institute schedule of charges to make it of even greater practical value to the architects and their clients in Philadelphia.

Upon motion it was decided to create a new committee of the chapter, to be known as the "Committee on Practice," to be charged with the preparation of a revised schedule of charges for the Philadelphia chapter, which schedule should conform to all the provisions of the Institute schedule.

Mr. D. K. Boyd moved that it should be charged with the preparation of the documents which had been advocated at the last meeting, namely, a form of understanding, not agreement, between the client and architect, setting forth the "principals of practice," a combination, as it were, of the schedule, the code of ethics, and the code of competitions, the same to be incorporated, if favorably considered by the committee, with the proposed chapter schedule. The motion was adopted.

After further discussion the meeting adjourned.

**American Federation of Arts**

The preliminary program of the third annual convention of the American Federation of Arts has been issued. This convention will be held at Washington the 9th, 10th and 11th of May, in the auditorium of the New National Museum.

Addresses will be made and papers read and discussed, by men prominent in art and identified with the very progressive movement that is doing so much to increase a proper and respectful appreciation of good art in this country.

**Annual Exhibition, Carnegie Institute. Pittsburgh, Pa.**

The sixteenth annual exhibition of the Carnegie Institute of Pittsburgh will be opened early this spring. The International Jury, recently appointed, will meet on April 4th, to select the paintings and award the three medals.

The French Juror selected is M. H. E. LeSidaner, the English Juror Sir Alfred East, while the Americans selected to serve are John W. Alexander, William M. Chase, Charles H. Davis, Ben Foster, W. Elmer Schofield, Gardner Symons and Edmund C. Tarbell.

Mr. John W. Beatty, director of Fine-Arts, will be president of the Jury.

**Indianapolis City Hospital Competition**

It is stated in the local press, that on the recommendation of Professor Warren P. Laird, professional adviser, the Board of Public Works has made awards in the city hospital competition as follows:

First prize and the commission to execute the work, Adolph Scherrer; second prize, Robert R. Foltz; third prize, Brubaker & Stern; fourth prize, Vonnegut & Bohn.

**Los Angeles Architectural Club Exhibit**

The exhibit of the Los Angeles Architectural Club, which closed on March 15th, was marked by an attendance that was both large and appreciative.

The ample space provided by the galleries in which the exhibition was held, permitted an arrangement that enabled visitors to view the exhibition comfortably and leisurely.

A feature of the exhibition that was regarded with much interest by the lay visitor was the section set apart for the display of building materials. This afforded an opportunity to study the application, in an artistic way, of materials in the modern building as shown in the excellent examples of recent architectural achievement on the Pacific Coast, that were hung on the walls throughout the galleries.

The exhibition of so great an amount of architectural work tends to the better and higher education of the people in the very material progress that is going on about them, and aids architects in securing from clients that co-operation that is essential to the best results.

**A Correction**

Through oversight, the Norfolk Y. M. C. A. Building, photographs of which were published in our issue of February 28th, was credited solely to Mr. R. E. Mitchell, Architect. Messrs. Wood, Donn & Deming, were associated with Mr. Mitchell in this work and their names should have been included with that of Mr. Mitchell, as architects of this building.
INDUSTRIAL INFORMATION

In this section will be found information concerning late catalogues issued by manufacturers of building materials, fixtures or equipment. Also under this head will be printed, from time to time, certain data relative to new devices or methods of construction considered to be of interest to architects. Architects are invited to make use of the American Architects Catalogue Files and Information Department whenever they can do so to advantage. Any assistance we can render or information we can furnish in this connection will be freely given.

Wall Hangings

The M. H. Birge & Sons Co., of Buffalo, New York, whose branches are in principal cities, are makers of a line of wall papers and hangings that would seem to present unusual artistic effects. In fact, the wide range covered by these specially designed hangings afford architects opportunities in the decorative treatment of interiors that will doubtless be appreciated. So comprehensive is the line that every period of decorative treatment can find representation, and in some cases, of periods now most in vogue, a line that offers a wide field for selection.

To acquaint the architect with the merits of their hangings and in order to get in closer touch with him, that they may be able to at all times anticipate his needs, and produce as nearly as possible just what is desired, the M. H. Birge & Sons Co. have established a department for direct communication with architects.

Through the department the architect will be enabled to have executed his own designs in wall decoration, and also avail of what is claimed to be the largest collection of printing blocks in this country, from which specially chosen colors may be printed.

A fuller explanation of this new department will be furnished to architects on request, together with a comprehensive collection of samples.

Vacuum Pumps

The Sparks System of Positive Steam Circulation, made by The Automatic Vacuum Pump Co., of St. Louis, Mo., is an apparatus designed to supply the largest possible vacuum, combined with simplicity and reliability of construction. The makers assert in a pamphlet recently issued that this apparatus does not require oiling, has not elaborate valves and mechanism to get out of order or require unusual care and is capable of producing a desired degree of vacuum.

They further declare that it is adaptable to buildings of any nature, especially those where absolute noiselessness of operation is necessary.

Pamphlet describing and illustrating this system may be had on application.

Faucets

The neat housewife will appreciate a faucet that does not permit the water to splash or spatter, that is simple in its operation and construction, and she will also appreciate the thoughtfulness of the architect who specifies it.

The Haines, Jones and Cadbury Co., 1130 Ridge Avenue, Philadelphia, Philadelphia, Pa., are makers of the Hajoca "Quick" Faucet, which they claim possesses the above described features. These faucets, it is stated, have been placed in important hospitals, clubs and hotels, and in many private houses, where their operation is said to have been satisfactory.

Pamphlet describing this faucet and other plumbing features made by this Company will be forwarded on application.

Steam Heating

The Philadelphia Steam Heating Co., of 1313 Cherry Street, Philadelphia, Pa., are designing and constructing engineers and jobbers and dealers in power plant equipment.

They offer their services to architects in the solution of steam heating problems of every nature. Their work, it is claimed, is in successful operation in many important structures, and they believe in view of their experience and the facilities under their control, that they can afford the utmost efficiency in service.

Mantels and Grates

The artistic and sanitary features of mantels and grates as employed in open fire places are conceded. Designers have employed brick in fire place construction in the most artistic manner and its adaptability to artistic expression and its harmony with varying forms of decorative treatment has resulted in many very desirable effects.

The LaSalle Pressed Brick Co., of LaSalle, Ill., has recently issued an illustrated pamphlet giving a number of excellent designs for brick mantels constructed from brick of their manufacture, together with suggestive hints for grates and the usual fire place accessories.

The book is to be had on application.

Casters

Many a good floor has been marred beyond repair by poor casters. Their wheel surfaces are not smooth or through faulty method of manufacture they refuse to revolve.

The Burns & Bassick Co., of Bridgeport, Conn., are makers of an extensive line of furniture trimmings. Among these is a line of casters sold under
the registered name of "Feltoid." These casters, it is claimed, obviate many objections to some forms; they are made with a soft tread and the movable parts are provided with ball-bearings. It is claimed that their action is noiseless, positive and that it is impossible for them to mar the floor or harm rugs or carpets on which they may be used.

**Revolving Doors**

An interesting type of revolving door is manufactured by the Van Kannel Revolving Door Co., Fuller Building, New York. An illustrated catalogue recently issued shows seven different positions in which this door may be placed, either in the usual way, or other various adjustments, one giving it is claimed, a maximum opening affording unobstructed egress or ingress.

A panic proof style of revolving door, made by this Company, is, it is stated, so constructed as to obviate objections sometimes made as to the location of this type of door in certain exits.

In addition to the usual forms of three and four wing doors, there is illustrated a six wing door. This door is designed for use where the full benefit of the entire opening is desired, and where the opening is, at the same time, too small to permit the installation of two separate revolving doors. It is stated that the capacity of this type of door is 7,000 people an hour, which would seem to make it adaptable to entrances and exits of department stores, railway stations and similar places where the traffic is constant and heavy.

An interesting application of the revolving door principle to a utility is shown in a revolving pantry window, recommended as serving all the purposes of the ordinary type and at the same time preventing the passage of fumes and noise.

**Otis Elevators**

The Otis Elevator Co.'s monthly publication "The Indicator" is issued in the interest of their business and to provide general information as to the improvement in various types of elevators and the machinery used in their installation.

It is an interesting monthly record of a large and rapidly growing industry. It provides a means of keeping in touch with latest practice and developments.

**Girderless Floors**

The flat slab, or girderless floor, is one of the most recent developments of reinforced concrete construction. While new in its application probably a sufficient number of practical examples have been constructed to permit of an analysis of its merits and the forming of an opinion as to its availability in modern construction.

It is obvious that ceilings that have no beams materially add to both the head room and the light of an interior, and it is also easily demonstrable that the low cost of centering and the comparative simplicity of steel reinforcement makes this form of construction particularly desirable for many types of buildings.

While in some forms it may be impossible to determine with absolute precision the internal stress in a floor slab, constructed on the flat ceiling principle, it is generally considered that enough confidence can be placed in the formulas to enable the designer to guarantee a reasonable degree of safety without extravagant use of reinforcing steel.

A departure from accepted methods naturally provokes the close scrutiny of thoughtful men, who while anxious to avail of every new thing that will add stability and efficiency in construction are led by experience to seek the most convincing proofs.

The Aberthaw Construction Co., Boston, Mass., general contractors for concrete construction work, have republished for free distribution an address by Mr. Angus B. Macmillan, read before the Sixth Annual Convention of the National Association of Cement Users. This address covers the technical points in the construction of this type of floor, and exhaustively treats of the topic.

**Building Progress for March**

*Building Progress* for March, issued by the National Fire Proofing Co., is an interesting issue.

The leading article—well illustrated—describes the construction of the new Insurance Exchange Building in Chicago. An article on "Building Up a New Firm," states the difficulties and suggests certain remedies for the vexations that always surround the launching of a new business.

Mr. Melville McPherson continues a series on the Spanish Renaissance in America, and there are a number of illustrations of designs contributed in the competition for a small house to be built of "Natco" hollow tile, the name given this Company's product, to cost $6,000.

**Copper Clad and Insulated Wire**

The Standard Underground Cable Co., of Pittsburgh, Pa., manufacture many forms of wire for use in electrical circuits, some of which, it is claimed, they originated.

The types of wire and cables are each illustrated and described in a series of pamphlets, which give full particulars of the specific application intended. These pamphlets are instructive and can be of use in determining selection and character of wire to be employed when specifying. The pamphlets will be sent on request.
To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

BIRMINGHAM.—R. D. Burnett has purchased site at 1818 Second Ave., and is planning erection of commercial house. It is stated that Architect Harry Wheelock, Steiner Bldg., is now preparing plans for building, to cost about $100,000.

ARIZONA

CLIFTON.—The school board of Clifton has accepted the plans presented by Architects McNeil and Wilkinson of this city, and bids for the construction will shortly be called for. Three buildings in all will be erected; a high school structure, a two-story grade school for Chase Creek district and a one-story building for the Shannom school.

CALIFORNIA

LOS ANGELES.—Church edifice to cost $100,000 will be erected on Hill St, by the Fourth Church of Christ Scientist. B. T. Krancer is president. Board of Education has called for bids on following buildings: Twelve-room building at Thirty-eighth and Wadsworth Sts, estimated cost $40,000; sixteen-room building, Forty-ninth and McKinley Aves, $60,000; four-room building, Sulphur St. and Cypress Park, $50,000; auditorium building at Macy Street School, $20,000.

RIVERSIDE.—A call has been posted asking for bids for the new Federal building to be erected on the corner of Orange and Seventh Sts. These bids will have to be received in Washington before April 23. There is $119,000 available for the buildings, which will cover 6200 square feet, and be of the mission type of architecture.

SACRAMENTO.—Fred G. Nutter, proprietor of the Manyx rooming house at Third and J Sts, has started a movement for the erection of a $50,000 auditorium and convention hall, to be built in this city, between Fifteenth and Eighteenth, G and T Sts.

CONNECTICUT

BRIDGEPORT.—Work is well along on the plans for the new plant of the Birdsye-Somers Co., which is to be built at the corner of Summerfield St, Grant St, and Barnum Ave. The plans are by Architect J. E. Nitchie, 150 Nassau St., New York. T. F. Somers is president and W. J. Reid general superintendent of the plant. Architect A. S. Meloy, P. O. Arcade, has completed the plans and estimates are now being made for the three-story building on Hallett St, for Hermann FrankeI. Plans drawn by Architect William Schmidt are being figured for a new house on Vine St, for Marie L. Whiting. Architect Leonard Ashem has completed plans for changes to a building on East Main St, for Samuel Bernstein. Plans drawn by Architect T. F. Kelley, 107 Wall St, are being figured for the handsome store and apartment building to be erected at the corner of East Main and Nichols Sts for Harvey Harding, trustee. The structure will be four stories high, of brick and steel.

BRISTOL.—The Pope Manufacturing Co. has planned to erect large addition to plant on Capitol Hill. HARTFORD.—Architect Louis A. Walsh, 51 Leavenworth St, Waterbury, has plans completed this week for the convent building to be erected in Hartford, on Park St, for the Sisters of St Joseph.

DISTRICT OF COLUMBIA

WASHINGTON.—A three-story apartment house will be erected at 402-404 H St, N. E, for William J. Weber. There will be a store on the ground floor and the two upper floors will contain one apartment of six rooms and one of five rooms.

The building at 1340 New York Ave., occupied by the offices of the Remington Typewriter Company, will be enlarged to be used for the offices of the combined business of the Remington, the Monarch and the Smith Premier companies. A three-story addition will be erected. Plans for this improvement have been made by B. Stanley Simmons, architect. A parish building of Gothic type is being designed by F. A. Kendall and Arthur B. Heaton, architects, to be built adjoining St. Alban's Church, in the close of the Protestant Episcopal Cathedral.

GEORGIA

SENOIA.—Bonds for $15,000 have been voted for erection of up-to-date school building. Contract for erection of same will shortly be awarded by building committee of School Board.

ILLINOIS

BELLEVILLE.—Plans for the reconstruction of St. Peter's Cathedral, destroyed by fire recently, have been completed. Work will begin on the new edifice without delay.

CHICAGO.—The Presbyterian hospital of Chicago will erect a six-story nurses' home and school to cost approximately $250,000 on a site on West Congress St, between Hermitage Ave, and Wood St. J. G. Rogers is the architect who is designing the plans.

James O'Leary is having plans prepared for a store, office and theater building at South Halsted St. and West Garfield Boulevard, which is to cost about $200,000. The plans are being drawn by Architects Ottenheimer, Stein & Reichert, 134 Monroe St.

Samuel Kohl has purchased the vacant lot at corner of East Forty-seventh St. and South Michigan Ave. It is Mr. Kohl's intention to improve the Forty-seventh St. frontage with a store and office building and the inside Michigan Ave, frontage with a six-apartment building, both improvements to cost about $100,000.

PALMYRA.—The First National Bank will erect handsome office building.

INDIANA

EVANSVILLE.—Preparations will soon be begun by the F. Grote Manufacturing Co. for the erection of buildings on Outer Washington Ave. to cost over $20,000; estimated cost, $50,000.

Plans for an apartment house to be built at Mulberry St. and Riverside Ave. by Rev. Hamilton A. Hymes, which, when completed, will be the biggest apartment house in the city, are being drawn by Architect Clifford Shopbell, Furniture Bldg. The plans for the new Simpson M. E Church will shortly be completed by Architect Shopbell, Furniture Bldg. Bids for the contract will be let by the church trus-
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tees as soon as possible in order that the building may soon start.

GARY.—Interurban lines entering Gary plan to erect a $100,000 traction terminal station at Broadway and Eleventh Ave. Four interurban lines now enter Gary, and two more are building toward the city.

MONROEVILLE.—The Lutheran congregation has purchased site of the Reidelheimer estate at the corner of South and Ohio Sts. and will erect a church building and possibly a parsonage on it this summer.

PRINCETON.—Local architects are drawing plans for a $6,000 grade and high school for Princeton, Ind. The school is to be built with two floors and a basement.

IOWA

ARTHUR.—Architect George W. Burkhedt, Iowa City, has completed plans and is now taking bids for the erection of a bank and lodge building. The contract will be let April 15. The building is to be stone construction and will cost around $10,000.

CITY.—Architects Jeffers & Trafer, of Mason City, Iowa, were the successful competitors in the competition for plans for the high school building. The building will be built along the latest lines of school construction. Cost $50,000. The plans will be ready by April 25.

COUNCIL BLUFFS.—Plans have been completed for the $25,000 addition to the high school. Architect F. E. Cox.

DES MOINES.—The Davidson Bros. Co. has completed plans for its new building, to cost $60,000, and equipped with machinery costing $15,000, which will be erected at Third St. and the Rock Island tracks.

WATERLOO.—Plans have been prepared for erecting two school buildings, one in East Waterloo, and one in West Waterloo, the latter will be of concrete construction and fireproof throughout. Cost $25,000, each.

KENTUCKY

LEXINGTON.—The Combs Lumber Company has under contemplation the plans for a three-story business building to cost about $30,000, which Mr. J. M. Kelly, president of the Lexington Banking & Trust Company, proposes to erect at 226 East Main St.

LOUISVILLE.—The new Waverly Hills Hospital for tubercular patients will have accommodations for 100 beds. Plans for the erection of the hospital have been completed by Architects Joseph & Joseph, Commercial Bldg., and bids will be received on April 29 by the Board of Tuberculosis Hospital. The Board of Hospital Commissioners appropriated $25,000 for the construction of the new institution.

Plans for the three-story apartment house to be erected by the Therman Realty Co. have been filed. The estimated cost of the new building is $90,000.

OWENSBORO.—The committee of the Masonic order has rejected all bids received for erection of new $100,000 building, and will advertise once for new bids.

SHARPSBURG.—Sealed bids will be received by Owen Ratliff, chairman of the Board of Education, Sharpsburg, Ky., for erection of a school to be built in Sharpsburg, Ky., plans for which are on file at the office of the architect, E. Stamer, 303-304 Merrick Lodge Bldg., Lexington, Ky.

LOUISIANA

LAKE CHARLES.—Bids will be received until 12 o'clock noon, April 25, 1912, for the erection of any of one or all of the four two-story and basement brick school buildings at Lake Charles, La. Plans and specifications and conditions for estimating can be had at the office of Payrot & Livaudais, Ltd., Architects, 839 Gravier St., New Orleans, La., and can be seen at the office of E. S. Jenkins, superintendent.

Maine

Bangor.—Architect C. Parker Crowell, of Bangor, has prepared plans for 3-story workingmen's hotel to be erected at Front and York Sts. by the Salvation Army.

BURLINGTON.—Plans are now being perfected by Architect Charles Russell Lombard, of Portland, for a new summer hotel structure at Old Orchard, the cost of which is estimated at about $12,000. The hotel is to be built and owned by John F. Hutchinson, of Old Orchard, and is to occupy the site of the famous old Brunswick House.

Maryland

BALTIMORE.—Architect Theodore Wells Pietach, American Bldg., has completed plans for a new apartment house to be erected by Dr. Thomas A. Ashby on Dolphin St., near Madison Ave. The plans call for a 3-story structure, which will cost $15,000.

Samuel F. Dixon, of Philadelphia, is considering site for erection of new theater with seating capacity of 3,500 people. It will be known as the Nixon Theater.

The Provident Realty Corporation will erect three handsome cottages on Roslyn Ave., near Bateman. The plans were prepared by Architect Henry T. Tinley, 314 N. Charles St., and the total cost will be $13,500.

George Spindler will erect a large four-story warehouse at 608-610 W. Pratt St. It will cost about $12,000. Architect Henry F. Feldhaus made the plans.

The trustees of St. Wenceslaus' Church have commissioned Architect Robert C. Ulrich, Gunther Bldg., to prepare plans for a new edifice to be erected at Collington and Ashland Aves. to cost $70,000.

Michigan

DETROIT.—A. A. Little, Peter Osterhout and P. A. Belleperche, of Windsor, have purchased property on Pitt St. east, and will erect business block to cost about $68,000.

MINNESOTA

CROOKSTON.—At a joint meeting of the Commercial Club directors, the School Board and a number of leading citizens, a resolution was unanimously passed asking the School Board to call a special election April 10 to vote on $200,000 bonds for the erection of a magnificent new Central School building to be erected at the earliest possible date.

DULUTH.—Swanstrom Bros. will erect a three-story brick block at Twenty-first Ave. W. and First St. to cost $33,000.

A. H. Berg & Company is contemplating erection of a five-story business block at Twenty-fourth Ave. W. and Superior St. Only three stories are to be built this year: to cost $20,000.

HARVARD.—The Norwegian Lutheran congregation has had plans prepared by Architect Andrew Roth, La Crosse, Wis., for a brick church building. Cost, $16,000.

MINNEAPOLIS.—A new theater will be built on Hennepin Ave. by T. J. and J. W. Considine, owners of the Sullivan-Conside theatrical circuit. Part of the building may be occupied by a large restaurant conducted by S. R. Child of New York.

A nurses' home will be built at the city hospital to cost $100,000 on plans drawn by Long, Lamoreaux & Long, 830 Hennepin Ave. to conform to the general architecture of the institution.

Architects Kees & Colburn, Donaldson building have prepared plans for the $20,000 addition to the L. S. Donaldson residence. The addition will be of stone, brick and tile, with stained and leaded glass.

Preparations have been made to enlarge the Central high school to accommodate 1,500 pupils. Architects Hewitt & Brown, 714 4th Ave. S, have been engaged to
Hardware True to School

of design for rooms ornamented in the art of different periods. The Corbin "design leaflets" illustrating the different patterns, sent upon request.

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prepare plans for the new building. A new wing for the West high to cost $60,000 is under discussion by the school board.

Guy Thomas will erect a building at 7th St., Western and 1st Ave. N., to occupy a triangular lot about 120 feet on each street. Total cost about $35,000. Two sets of plans are being prepared by the architects, Long, Lamboux & Long, 829 Hennepin Ave.

Silver Lake.—Bids will be received by the State Bank until 8:30 April 15 for the erection of a bank building.

St. Paul.—The East End Commercial Club building will erect 2-story structure on West Seventh St., between Jefferson and Erie Sts., at cost of $15,000.

St. Paul.—The McArthur department store building, 66-104 E. 7th St., will be remodeled at a cost of $30,000. Architect James F. Benson, Germania Life building. John Mann is general contractor.

Wabasha.—Architects Ellerbe, Round & Sullivan, 622 Endicott Arcade, St. Paul, are preparing plans for the proposed eight-room school building to be erected at Wahkon. Plans will be out for bids about April 30.

MISSOURI

St. Louis.—University City Board of Education is discussing plans for a new high school building which will be voted on shortly. The plan is to vote a $60,000 bond issue for an 8-room, thoroughly modern building.

The St. Louis Amusement & Mercantile Co. was incorporated yesterday to erect a mercantile and office building at corner of Delmar and Bayard Aves. The structure will cost about $50,000 and will be started about Sept. 1. The incorporators are: Samuel Ryan, C. S. Ehrhardt, Oliver P. Langan, W. E. Warren and L. C. Lane.

St. Louis.—Voters of Hester District have instructed the Trustees to have plans prepared for new school building, to cost about $60,000. The Trustees are Hugh Center, W. E. Blauer and H. C. Jones.

MONTANA

Glenview.—Charles Shogollin, New York Life Bldg., was awarded the general contract for the erection of the new hospital building for the Northern Pacific Beneficial Association, at Glendive, Mont. Cost, $100,000. Architects, Reed & Stern, 601 Endicott Bldg., St. Paul.

NORTH BEND.—A site has been purchased for the Carnegie library and Architect A. Lincoln, will draw the plans for the building.

NEW JERSEY

Newark.—Bids will be received at the office of the school board board between 4 and 4:15 o'clock p. m., April 16, 1912, for the construction, complete, of the Miller St. School House Addition, J. P. Argue, secretary.

Newark.—Estimates are being received by John B. Warren, as architect, for a 3-story brick store and apartment building which Tobia Santoro and Louis Sollimine will shortly erect on the northeast corner of Bergen St. and Fourteenth Ave., at a cost of about $35,000.

Ground will shortly be broken on corner of Milford Ave. and Bigelow St. preparatory to the erection of a 4-story brick $80,000 apartment building which will be owned by Jacob Frankel. Architect Hyman Rosensohn, 809 Broad St., designed the structure.

West New York.—The general contract for a store and apartment building on Sixteenth St. and Tyler Place, and four apartment houses on Sixteenth St. between Palisade Ave. and Broadway, West New York, has been awarded by William Walser to Tony Buglis of West Hoboken. The cost of the buildings will be $92,286.

NEW YORK

Brooklyn.—Borough President Steers has signed the architects' contract with McKenzie, Voorhees & Gemin for the drawing of the plans for the new $3,300,000 Municipal Building to be erected in Brooklyn.

Brooklyn.—The F. A. Clarke Co. has closed a lease with the Benedict Amusement Co. for a site, forming part of the old Barnum & Bailey circus grounds at Halsey St., near Broadway, Brooklyn, for which the site will be known as the Halsey. It will be similar in design to the DeKalb Theater. The owners of the house are also contemplating the erection of an amusement hall on part of this property.

Buffalo.—Proposals for a Hospital Building for the State Institute for Malignant Diseases, corner High and Oak Sts., Buffalo, N. Y., will be received by Dr. Roswell Park, Chairman, Board of Trustees, State Institute for the Study of Malignant Diseases, Grawick Laboratory, 113 High St., Buffalo, N. Y., until 12 o'clock on, April 10th, 1912. Plans may be inspected at the office of George Cary, architect, 182 Delaware Ave., Buffalo, N. Y.

Huxley.—Electors of school district have voted in favor of erection of $85,000 high school building on North Bellinger and German Sts.

Ilion.—Architect William T. Towner, of New York, met the Board of Education and submitted sketches of the tentative plan made up especially for the proposed new high school. The estimated cost of building, with a capacity of 400 students, would be $90,000, which, with a suitable site, would bring the estimated cost to about $100,000, and would fill a long-felt want in this village.

Newburgh.—Plans for a Labor Temple have been presented by Architect Frank E. Esterbrook at a meeting of the trustees, with the understanding that the building shall be erected at Freeport Union. It was decided to erect a 90-foot building on Liberty St., between Washington and Ann Sts. Estimated cost, $15,000.

New York City.—Architects House & Goldstone, 35 West 32d St., have filed plans for twelve-story apartment building to be erected on Park Ave., between Fifty-second and Fifty-third Sts., for Montana Realty Co., 135 Broadway; cost, $1,250,000.

Plans have been filed by Architect O. M. Beck, 1465 Fifty-third St., Brooklyn, for nine-story storage house to be erected on Twenty-seventh St. for Terminal Warehouse Co., 17 S. William St.; cost, $65,000.

Architects George & Edward Blum, 905 Fifth Ave., have filed plans for five-story brick stores and apartment to be erected on Vyse Ave., corner 180th St., for Arcade Realty Co. (T. W. Shamberg, 15 William St., president); cost, $70,000.

Plans have been filed by Architects Moore & Landsiedel, 140th St. and Third Ave., for five-story brick apartment to be erected on Tiffany St. for Steinmetz Construction Co. (S. B. Steinmetz, 146 Glover St., president); cost, $90,000.

Plans have been filed by Architects George & Edward Blum, 905 Fifth Ave., for five-story brick apartment to be erected on 180th St. for Arcade Realty Co. (T. W. Shamberg, 15 William St., president); cost, $85,000.

Architects Grossenberg & Leuchtag, 27 West Twenty-second St., have filed plans for alterations to two four-story dwellings on Madison Ave. for C. J. Smith, East Orange, N. J.; cost, $15,000.

Plans have been filed by Architect J. L. Downey, 410 West Thirty-fourth St., for alterations to eight-story office building on Nassau St. for Mutual Life Insurance Co.; cost, $20,000.

Plans have been filed by Architect Thomas W. Lamb, 101 Fifth Ave., for 4-story brick theater to be erected on Westchester Ave., for Lackman & Goldsmith, 35 Nassau St.; cost $150,000.
April 10, 1912

THE AMERICAN ARCHITECT

13

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GLOBE VENTILATOR COMPANY, TROY, N. Y.
NEW YORK CITY.—Architect M. W. Del Gaudio, 401 Tremont Ave, has filed plans for two 5-story brick apartments to be erected on Cambrilleng Ave, cor. 187th St., for Russo & Barba. (John Russo, 2383 Belmont Ave., president.) Cost $75,000.

Architects Koppe & Daube, 830 Wentcheaster Ave, have filed plans for three 5-story brick apartments to be erected on Aldus St, corner of Hoe Ave, for the Kuvaks Construction Co. (Julian Kuvaks, 93 Alexander Ave, president.) Cost $125,000.

Plans have been filed by Architects Gronenberg & Lenchtag, 7 West 22d St, for 5-story brick apartment to be erected on Kelly St, for New Port Realty Co. (Max J. Klein, 35 Nassau St, president.) Cost $35,000.

Architects Gronenberg & Lenchtag, 7 West 22d St, have filed plans for two 5-story brick apartments to be erected on Tiffany St, for the New Port Realty Co. (Max J. Klein, 35 Nassau St, president.) Cost $35,000.

Plans have been filed by Architects Gronenberg & Lenchtag, 7 West 22d St, for 5-story brick apartment to be erected on 16th St, cor. Kelly St, for the New Port Realty Co. (Max J. Klein, 35 Nassau St, president.) Cost $35,000.

Plans have been filed by Architects Gronenberg & Lenchtag, 7 West 22d St, for 5-story brick apartment to be erected on 165th St, cor. Tiffany St, for New Port Realty Co.; cost $45,000.

Plans have been filed by Architects Gronenberg & Lenchtag, 7 West 22d St, for 5-story brick apartment to be erected on 165th St, for New Port Realty Co.; cost $55,000.

Architects Freeman & Hasselman, 39 W 38th St, have filed plans for alterations to 5-story dwelling on 5th Ave., for E L. Hageman, 314 East 66th St.; cost $75,000.

Site on 44th St, West of Broadway, has been acquired by Winthrop Ames & Lee Shubert, who will erect at once two new theaters to cost between $600,000 and $700,000.

New York City.—Architects La Parre & Morris, 45 Madison Square North, have filed plans for twelve-story store and loft building to be erected on Forith St, for Yale & Towne Mfg. Co., 9 Murray St.; cost $200,000.

Plans have been filed by Architects Goldner & Goldberg, 391 East 149th St., for two 5-story brick apartments to be erected on Clay Ave, corner 173rd St., for Mandell Construction Co. (Max Cohen, 1026 Morris Ave, president.) cost $100,000.

Architects Moore & Landsiedel, 168th St and Third Ave, have filed plans for five-story brick apartment to be erected on 172nd St, corner Park Ave, for Ernst Keller Construction Co., 415 E 24th St.; cost $35,000.

Plans have been filed by Architect Thomas W. Lamb, 501 Fifth Ave, for two 5-story brick theater to be erected on Tremont Ave, for Avenue Amusement Co. (William Fox, 116 East 114th St, president), cost $200,000.

New York City.—Architect C. B. Meyers, 1 Union Square West, has filed plans for three 5-story apartments and stores, to be erected on 129th St and Convent Ave, for Manchester Construction Co, 198 Broadway; cost $125,000.

Plans have been filed by Architects Gronenberg & Lenchtag, 7 West 22d St, for 8-story store and loft, to be erected on 40th St, for M. Hoffman, 113 East 114th St.; cost $125,000.

Architect C. B. Meyers, 1 Union Square West, has filed plans for two 5-story apartments and stores to be erected on Convent Ave, for Manchester Construction Co, 198 Broadway; cost $100,000.

New York City.—Architects Nast & Springsteen, Jr., 21 West Forty-fifth St, have filed plans for two-story dwellings to be erected on Prescott Ave, for M. Piterino, 3058 Heath Ave.; cost $12,000.

Plans have been filed by Architect T. W. Lamb, 301 Fifth Ave, for eight-story store and loft to be erected on Beeckman St, corner of Water St, for C. Lane, 30 Fulton St.; cost $75,000.

Architect D. E. Ward, 1 Madison Ave, has filed plans for fourteen-story store and loft building to be erected on Madison Ave, for E. L. Hageman, Mamaroneck, N. Y.; cost, $125,000.

Plans have been filed by Architect Lucian Pisciotta, 337 East 146th St, for four 2-story brick apartments to be erected on Hughes Ave, for European Construction Co (Angelo Di Benedetto, 541 East 162nd St, president); cost $90,000.

Architects Harris & Richards, Philadelphia, Pa, have filed plans for alterations to one, four and five-story church, rectory and school for the Missionary Society of the Most Holy Redeemer in State of New York, 173 East Third St; cost $41,100.

ROCHESTER.—The McCurdy & Norwell Co is planning to erect 6-story granite front building on Main St East and Elm St.; estimated cost $25,000.

SYRACUSE.—Bids will be received by the State Fair Commission, Syracuse, N. Y, Tuesday, April 16, 1912, at 2 p.m., for erection of the Cattle Building. Plans and specifications will be on file at the office of Franklin B. Ware, State Architect, Capitol, Albany, N.Y.; at the office of the State Fair Commission, Post-Standard Bldg, Syracuse, N.Y, and at the office of Green & Wicks, 110 Franklin St, Buffalo, N.Y.

Architects are now working on tentative plans for an 11-story building to be used as a combination Masonic Temple and office headquarters for doctors and dentists. Options have been secured at property at East Fayette and Montgomery Sts, opposite St Paul's Church. The cost of the proposed building, which is designed to be fireproof in construction and modern in appointments, is estimated at $600,000, including the site.

OHIO

CINCINNATI.—A Cincinnati firm of architects will shortly prepare plans for proposed new Scottish Rite cathedral to replace present structure on Broadway, which has been condemned. Site on Sycamore St is being considered.

CLEVELAND.—Architect J. Milton Dyer, Cuyahoga Bldg, will revise city hall plans, so as to bring cost of building within the $2,600,000 estimate.

Cleveland.—Revised plans for new city hospital group have been submitted to Mayor Baker by Architect Myron P. Voice, Garfield Bldg. Estimated cost, $1,240,000.

DAYTON.—M. J. Schaefer, residing on South Brown St., is engaged in tearing down the buildings at corner of Wayne Ave, and East Fifth St, with a view to erecting a $75,000 business block.

SPRINGFIELD.—The Board of Education will receive sealed proposals for the erection of brick school building. School District No. 0, about 3 miles West of Spring­field, Ohio, being on the site of present Rockway school. Plans and specifications are now on file in the office of clerk of said board, and in the office of Architect R. C. Gotwald, Springfield, Ohio, Walter Kern, Clerk.

SPRINGFIELD.—Bids will be received at the office of the clerk of the Board of Education of the Springfield School District, at the rooms of the Board in the new high school building until 12 o'clock noon, April 30, 1912, for the erection of a 2-story brick addition to the Lagonda School building, situated on North Belmont Ave; also for one, and for a two-room frame addition to the Frey School building, situated in the Frey addition. W. S. Meredith, Clerk.

The new Central Methodist Episcopal Church will be erected on High St. Architect E. W. Russ, of Dayton, has been given the contract of preparing the plans.

TOLEDO.—New factory buildings to cost more than $100,000 will be built by the Owens Bottle Co and the Kent Machine Co as soon as Council vacates 00 feet on Lindsey St for the Owens Co.
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Aspinwall.—J. D. Armstrong, Director of Public Works, is taking bids on foundations and appurtenances for new pumping station at Aspinwall. Building will cost $100,000.

Canonsburg.—The school board will receive sealed proposals for the erection of an addition to the present high school building. All bids must be in the hands of the secretary on or before 7:30 p.m., Eastern time, April 22, 1912. Plans and specifications can be seen at the office of the School Board at Canonsburg, Pa., or the office of W. G. Eckles, the architect, at New Castle, Pa. G. G. McMillen, Secretary.

Erle.—Henry Mayer, Sr., is expecting to erect two large store and office buildings in State St. One will be an eight-story structure located on the northeast corner of Twelfth Ave. and State St.; cost, $200,000.

Johnstown.—The U. S. Government will receive bids until April 26 for a new brick and stone postoffice, to cost approximately $130,000.

Philadelphia.—The Friends have had plans completed for the erection of a $100,000 building at the northwest corner of Fifteenth and Cherry Sts., which will replace the present 4-story structure erected about ten years ago. The plans, by Architects Beining & Shrigley, 6th Chestnut St., provide for a 7-story fireproof structure.

Pittsburgh.—C. R. Buchert, Park Bldg., is head of a syndicate that has applied to City Council for rights to build a $400,000 warehouse on the Allegheny River wharf near the Sixth St. bridge. Plans are prepared and bids will be asked when certain city and government rights are secured.

Architects Rutan & Russell, Magee Bldg., are asking for bids on a 3-story brick and concrete manufacturing building for the James M. Matthews Co., to cost $90,000.

Philadelphia.—Architect W. Ward Williams is taking bids for a two-story brick and hollow tile house to be built for Mrs. Mary M. Temmel on the William Pitt Blvd., near Croibie St. Squirrel Hill.

A two-story brick and stone parochial school building has been planned by Architect John T. Comes, 1005 Fifth Ave., for the St. James Catholic Church. The same architect has plans for a four-story brick and fireproof building to be built in Congress St. for the St. Regis Home for Working Girls. The estimated cost of this structure is $50,000.

SOUTH CAROLINA

Greenville.—Mr. W. B. Williams is considering the erection of a $35,000 apartment house. He is now looking into the matter and considering plans for the building. The building contemplated will be modern in every particular, four stories high with elevator service.

SOUTH DAKOTA

Elk Point.—Fred W. Ford, secretary, Elk Point, S. D., will receive bids until 10 a.m., April 22, for the erection of a wing to the normal and industrial school buildings. Architect, J. W. Henry, of Aberdeen.

TEXAS

Austin.—Plans and specifications for the San Marcos Normal School's new manual arts building, for which the Legislature appropriated $25,000, have been approved by the building committee of the State Normal board of regents. Messrs. Boley and Boehnawan of San Antonio are the architects.

Fort Worth.—Plans for the erection of two fireproof warehouses have been completed by the Texas City Terminal Co. and work will be commenced in the near future, according to Scott Marshall, president of the First National bank of Texas City and United States customs collector for that port.

UTAH

Salt Lake City.—Revised plans for the new Utah university central building have been completed by the architectural firm of Cannon, Fetzer & Hansen, 11 S. Main St. The contract for the actual building operations will be let in the near future. When completed the building will cost $300,000.

VIRGINIA

Bedford City.—The grand trustees of Elks have arrived at the Elks' National Home here to take steps toward the erection of the new national home, which is to cost about $300,000. Bids will be opened in May for erection of same.

Bristol.—New central building will be erected for the Emory & Henry College. Rev. S. B. Vought, financial secretary.

Lexington.—It has been decided to erect a hospital for tuberculosis patients at the Catawba Sanitorium at a cost of $40,000.

Richmond.—At a meeting of the sub-committee of the Council Committee on Grounds and Buildings general specifications were approved and the building inspector was instructed to advertise for plans for the new First Regiment Armory to be erected at the corner of Seventh and Marshall Sts. The competition for plans will be limited to Richmond architects, and after definite plans are accepted the committee will advertise for bids for erection of the building.

Roanoke.—The State Board of Health is having plans prepared for erection of reception hospital at junction of the Norfolk & Western Railway and the Catawba Valley; estimated cost, $40,000.

WASHINGTON

Olympia.—Bids will be received by the supervising architect, Washington, D. C., until 3 p.m., May 7, for the erection of the postoffice building.

Spokane.—Plans have just been completed by Architect R. C. Sweett, Peyton Bldg., for the new Hillyard high school building, for which $25,000 was recently voted by the residents of the railroad town. The building will be thoroughly modern.

Tacoma.—The National Realty Company will remodel and improve their building at cost of $35,000.

WEST VIRGINIA

Wheeling.—Architect S. F. Heckert, of Pittsburgh, is preparing plans for group of buildings to be erected for Sisters of the Good Shepherd; estimated cost, $220,000.

WISCONSIN

Milwaukee.—An architect will shortly be selected to prepare plans for church edifice to be erected by the Greek Orthodox Church, on Knapp and Broadway; estimated cost, $200,000.

Milwaukee.—Architect C. C. Hosmer is completing plans for the erection of the new building of the Church of the Disciples of Christ, at Prospect Ave. and Clarke St. Cost $25,000.

The Federal Rubber Co. will join the several buildings which make up its plant at Cedarh by erecting new structures in the intervening spaces, at a cost of $25,000.

Wade H. Richardson will erect a 2-story, 12-apartment building on Bartlett Ave. and Park Pl., to cost $25,000. Architects Crane & Barkhausen, University Bldg.

CANADA

Vancouver.—The Minister of Education will receive competitive plans from Canadian architects for the proposed new university, together with more detailed drawings, for the building to be erected first at estimated cost of $1,500,000. Plans must be in by July 31.
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of Mullins make is the kind that endures. It is simple in construction—positively storm and water-tight. Guaranteed to remain in perfect condition for years when put on according to directions. Expansion and contraction thoroughly provided for. Widely conceded to be the most attractive and satisfactory roofing made.

Also manufacturers of Cornices, Building Fronts, Garlands, Modillions, Enriched Moldings, Capitaies, Filials, Tympanum Panels, Rosettes, Faces and other architectural ornaments. Thousands of designs to choose from. Cornice makers and the Building Trades will find our prices attractive and shipments prompt.

Tell us your wants and the particular kind of Sheet Metal Work you are interested in. Catalogues will be mailed you at once. Discounts to the trade on application.

**Reliance Hangers**

For Strength, Durability, Easy Action and Speed—Used wherever the BEST is desired. Condensed Catalog in Sweets. Agents in most large cities.

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**The Kelly Octopus Water Closet System**


The complete fixture as shown, occupies a space equal to a circle 7 ft. 6 in. in diameter. Set in the center of a room, this gives all the wall space for wash basins, urinals, sinks, etc.

Perfect ventilation; no trap venting needed.

THOS. KELLY & BROS.

Kelly Octopus Closet Fitting, comprising all plumbing below floor.
Fans add to the comfort of the patrons of this beautiful Inn

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Complete Binder of Bulletins sent upon request. Mention Series A.

Your Concrete and Stucco Construction Needs
My Coating

My BAY STATE BRICK and CEMENT COATING is backed by twelve years of practical experience in making a cement coating. It has been tried under all sorts of conditions and met all requirements.

Years before anyone else had put a coating on the market Bay State Brick and Cement Coating was an established success. It had been used on large and small houses, factory walls and factory floors, on the vats and damp rooms of textile mills and breweries. It is the only coating that I know of that won't burn when subjected to heat. It has a flat finish, doesn't destroy the texture of concrete and saves it from cracking from moisture.

Just write me for our booklet No. 7. Give our salesman a good hearing when he calls. He's got the goods.

Wadsworth, Howland & Co., Inc.
Paint and Varnish Makers and Lead Corroders
82-84 Washington Street Boston, Mass.

The Northwestern Terra Cotta Co.
CHICAGO
manufactures the Highest Grades of ARCHITECTURAL TERRA COTTA ENAMELED WORK A SPECIALTY

BECAUSE of the great care which must be exercised in the production of Architectural Terra-Cotta, the New York Company has always so restricted the amount of work to be done in its factory as to be able to give the utmost attention to each order. Our aim is not to produce as much Terra-Cotta as possible but to make what we do produce perfect in every respect. If you wish to be sure that your Terra-Cotta is carefully and faithfully made specify New York Terra-Cotta.

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Architectural Terra-Cotta Company
Two twenty-five Fifth Avenue
New York
Fire-proof Construction
of a successful type

Replaces wood stick for stick—erected in less time

Berger's Metal Sumber

is used for floors and partitions with brick, stone or concrete exterior walls. Comprehensive building plans are furnished with the material and inexperienced workmen under the direction of a good mechanic can do the work. The slightly increased cost over wood is overcome by saving in erection costs, maintenance charges, insurance, etc.

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New York Chicago St. Louis San Francisco
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Lehigh Portland Cement

is noted for its uniformity, lightness of color and high tensile strength. That is why it is the logical choice of the architect and engineer for all kinds of concrete work.

Write for Our Book, "41 Concrete Reasons"

LEHIGH PORTLAND CEMENT COMPANY

Western Office: CHICAGO

NEW YORK OFFICE: 261 Broadway

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OUT OF THE ORDINARY

Plate G-142

This lavatory is an original design and while it has been imitated, the original retains its superiority. Plain in design, with recess back and soap cup cast in slab, this lavatory is extremely popular.

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By J. J. COSGROVE

THESE two books are practical treatises on their respective subjects and contain such information as has long been needed by everyone interested in plumbing and sanitation.

There are many helpful and explanatory notes and suggestions that tend to simplify the art of preparing plans, writing satisfactory specifications, intelligently estimating the cost of plumbing, reading plans, office methods, business laws, etc., etc.

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THE Architects specify this Richards Royal House Door Hanger for the peace of mind it brings.

The adjustment in both hanger and track, wide flanged ball bearing wheels running on encased hard maple track, that noiseless operation all serve the best interest of your clients. Specify Richards Royal and you have all you can ask for in house door hangers.

Ask for Catalog 10

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Door Hangers and Hardware Specialties

ONE OF THE 40,000 HOMES

PARK AVENUE RESIDENCE, NEW YORK
Mears, Delano & Aldrich, Architects

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KELSEY HEATING supplies a constant change of properly warmed air to every room. No other system is so efficient, healthful and economical

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Forge Shops require Regulated Ventilation

The “Straight-Push” Sash Operator was used in both instances, handling lines of pivoted sash in lengths of 100 to 200 linear feet.

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insure sash opening evenly and easily, with a few pulls of chains, and locking tightly, when closed. Sash are firmly held against wind pressure at the different angles. Economy—better ventilation results.

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“Eureka” is the best Fire Hose made. All sizes for every possible use.

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The only circular and seamless woven brands of fire hose made that possess four, three and two entirely distinct and independent plies, and can be entirely separated, and possess four, three and two warp and filling threads.

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Architectural Detail

shows up at its true value only when the proper system of lighting is employed.

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Write us your requirements and we will promptly submit data and estimates.

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ELECTRICAL SUPPLIES, ETC.

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Pierce Boilers and Radiators are made in such a variety of styles and sizes that we have a boiler for every purpose.

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Fuel is Money—Let us give you 50% more heat for your money than is done by any other method of burning fuel. Write for particulars.

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GARAGES
COUNTRY AND SUBURBAN

The First Comprehensive Work on This Subject Ever Published

The Structural Features of the Private Garage and Its Equipment.
The Care of the Car, Safe Handling and Storage of Gasoline
and topics of interest to Architect, Owner and Driver

One Hundred Illustrations
of the best types of recently constructed PRIVATE GARAGES, showing both exterior and interior views, floor plans, working drawings, etc., etc.

Descriptive Articles by Architects
whose success in the designing and planning of PRIVATE GARAGES is unquestioned

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The weak spot in the average dwelling has heretofore been the roof. Wood shingles rot, warp, loosen, etc. And they readily catch fire. Slate and tile split and break. And their great weight puts a severe strain on the rafters.

But J-M Transite Asbestos Fire-proof Shingles haven't a single one of these faults—haven't a single weakness of any kind.

J-M Transite Asbestos Shingles

They are as fire-proof and durable as a stone foundation. For they are all mineral—literally stone shingles. Made of Asbestos and Portland Cement.

Asbestos is a rock; and, like all rock, it is fire-proof and practically everlasting. And everybody knows that Portland Cement is the most permanent building material ever discovered. Buildings of cement construction erected by the Romans over 2,000 years ago are still in good condition.

More pleasing effects can be obtained with J-M Transite Asbestos Shingles than with any other kind of roofing material. They are made in different shapes and sizes, and in three colors—gray, red and slate. Furnished punched for nails and ready to apply.

They weigh about a third less than slate. Thus they are much easier to handle and do not require such heavy rafters.

They are non-conductors of heat and keep a building cooler in summer and warmer in winter.

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Asbestos Roofing, Parkings
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Residence of Mr. Ignatius Horsman, Atlantic City, N. J. Covered with J-M Transite Asbestos Shingles.

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Its Popularity urges it
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Fresh, Sweet
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Satinette's Quality does not fluctuate. Satinette figures as a profitable investment for both buyer and seller, endorsed by all unbiased experts. Architects ordering Enamel and not getting it should SPECIFY SATINETTE

Satinette's Reliability rests solidly on the fact that back of it stands the

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You Can Solve The Problem

of providing durable, sanitary, handsome closet seats for every building you plan by specifying

The "NEVER SPLIT" CLOSET SEAT

It is the only seat which meets in full the present day demand for sanitary seats. The bolted joints make open joints impossible. The run of the grain around the seat makes splitting impossible.

When you want to specify the best, write "NEVER SPLIT" and see that you get it.

Write for our model seat and catalogue.

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EVANSVILLE, IND. U.S.A.

Kewanee WATER HEATING GARBAGE BURNER
FOR DESTROYING REFUSE WITHOUT ODOR
Burns all the Garbage. Destroys all the Odor. Heats all the Water you can use.

PATENTED
Send for Catalog No. 59

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DOORS
will never creak or bind

when hung on

Stanley's Ball Bearing Hinges
Friction is eliminated; Oiling is unnecessary.
NON-RISING Pins prevent the pins from working out of the joint

Write for Circular "AA" to

THE STANLEY WORKS
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Burns all the Garbage. Destroys all the Odor. Heats all the Water you can use.

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will never creak or bind

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Friction is eliminated; Oiling is unnecessary.
NON-RISING Pins prevent the pins from working out of the joint

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THE STANLEY WORKS
New York  NEW BRITAIN, CONN.  Chicago
The Largest Baseball Buildings in America Are Covered with J-M Asbestos Roofing

The importance of fireproof construction was so vividly demonstrated to the owners of the baseball grandstand at the Polo Grounds in New York by the disastrous fire which destroyed their $200,000.00 structure last year that they decided to take no chances of a repetition. They therefore built the new grandstand, shown above, of materials approved by the highest authorities on fireproof construction—steel, concrete and J-M Asbestos Roofing.

Being made from Asbestos (rock) fibres and Trinidad Lake Asphalt, J-M Asbestos Roofing is all mineral all the way through—nothing in it to rust, melt, crack or deteriorate with age. It will ordinarily last as long as the building it covers. And it is the cheapest-per-year roofing because it is the only ready-to-lay roofing which never needs coating. Its first cost is the only cost. The grandstands and pavilions at Cleveland, Detroit, Washington and Toronto are also covered with J-M Asbestos Roofing. And the new grandstand and pavilion now being built at American League Park, Boston, will be covered with this practically indestructible roofing.

J-M Asbestos Roofing is suitable for any type of building, anywhere. Sold by most hardware and lumber dealers—or shipped direct from our nearest branch where we have no dealer.

Write for free sample of the curious Asbestos Rock from which this roofing is made and Illustrated Catalog No. 30. Address nearest Branch.

H. W. JOHNS-MANVILLE CO.

STEEL-WOVEN OAK FLOORING

FOR FIREPROOF BUILDINGS

No big beams are inserted in the concrete. No sticking of blocks to concrete and tearing loose with change of season. The floor lies solidly of its own weight. In case of swelling, owing to dampness, or even flooding with water, the floor swells as a whole and takes up the compression space in the border. If the floor shrinks again after such an accident the blocks shrink individually and the shrinkage is divided up so many times that no cracks are seen. In extreme cases the entire floor can be keyed up from the compression spaces.

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ROCHESTER, N. Y.

NEW ALBANY, IND.
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Roebling Construction Co.
Metropolitan Tower
NEW YORK

The "Si-wel-clo"
Noiseless Syphon Jet Closet Combination

It can’t be heard
when properly installed, with our special set of noiseless tank fittings, the Siwelclo is guaranteed to operate so quietly that it cannot be heard outside the immediate vicinity.

A Residential Closet

SPECIFICATIONS: The Trenton Potteries Company Plate 982 complete, with the "Siwelclo" Noiseless Syphon Jet Closet, the "Bellemeade" Vitreous China Tank and set of special noiseless tank fittings.

The Trenton Potteries Co.
Trenton, New Jersey, U.S.A.
The World's Largest Makers of Sanitary Pottery.
Paneled Ceiling Type, for Wm. Ernest Walker, Arch.

Girderless Floor Construction.

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We have developed this approved type of construction, which is not restricted to any one form of reinforcing bar, and desire to have Architects investigate its merits and the advantages it offers, both to them and to their clients.

A booklet containing this information and descriptions of various buildings erected on this system, as well as results of tests, will be mailed to architects and owners on request.

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CONDRON COMPANY
Structural Engineers
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Preserving the Architect's Handiwork

The architect builds with the thought in mind that he is erecting a monument to himself that will go down to posterity. The ravages of time, however, takes its toll and the structure that is admired today is looked upon with scorn in another generation unless the architect takes proper precaution to protect his building.

The first step towards this protection is the selection of the right paint materials.

Dutch Boy Painter White Lead

and pure linseed oil make a beautifying and protective coating of great durability for both interior and exterior work. See that your painter uses these materials. The Dutch Boy Painter trade-mark is on the side of each keg containing our white lead.

National Lead Company

New York  Boston  Buffalo  Chicago
Cincinnati  Cleveland  St. Louis  San Francisco

(John T. Lewis & Bros Co., Philadelphia)
(National Lead & Oil Co., Pittsburgh)
Architects: We have just off the press a booklet entitled, "Seven Types of Construction." The purpose of this book is not to advocate any particular type of construction; on the contrary it is to assist you in determining upon the type or combination of types exactly suited to the conditions of spans, loads or desired architectural effects in any contemplated building.

The Seven Types comprise, in addition to the exclusive M-B Types, every known method of reinforced concrete construction in accordance with accepted engineering practice, hence this booklet is not biased in favor of any.

It mentions, however, as matters of special news value, our M-B Compact Concrete Column Construction, which enables the erection of an all-reinforced concrete building of almost any height, with lower story columns no larger than those used in structural steel construction; also our M-B No-Beam Construction—in which there are no beams or girders (this is the only type of flat slab construction in which the stresses in steel and concrete can be checked by the same formulas as are adopted by architects and engineers for other types of concrete construction); it also tells about the M-B Types of Tile Floors and gives tables of relative costs, together with comparative rates of insurance.

This Valuable Book will be sent to you FREE on request. Ask for "SEVEN TYPES."

WILLIAM B. HOUGH COMPANY
"Where the Reliable Reinforcing Steel Comes From"

MAIN OFFICE
CHICAGO, U.S.A.

Des Moines       Indianapolis       Minneapolis       Detroit
Indianapolis     Minneapolis       Omaha
## SECTION 35B CATALOG 5

### VITREOUS CHINA LAVATORIES

THOS. MADDOCK'S SONS CO.

### PLATE 2009-S

**HOW TO SPECIFY**—"Maddocks" White vitreous china swelled front lavatory, plate 2009-S; size (see below), with vitreous china fluted pedestal. Fitted with nickel-plated brass combination pop-up waste fixture with china waste knob and Fuller supply valves with china handles and metal escutcheons; nickel-plated brass supply pipes to wall and nickel-plated brass 1½" waste trap to wall.

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Size</th>
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<tbody>
<tr>
<td>Laundry Slab</td>
<td>26&quot; x 22&quot;</td>
</tr>
<tr>
<td>Bowl</td>
<td>16½&quot; x 12½&quot; x 6&quot;</td>
</tr>
<tr>
<td>List Price</td>
<td>$64.50</td>
</tr>
<tr>
<td>Laundry Slab only</td>
<td>21.00</td>
</tr>
<tr>
<td>Pedestal only</td>
<td>11.00</td>
</tr>
</tbody>
</table>

**PLATE 2013-S**

**HOW TO SPECIFY**—"Maddocks" White vitreous china swelled front lavatory, plate 2013-S; size (see below), with vitreous china pedestal. Fitted with nickel-plated brass standing waste fixture with china waste knob and nickel-plated brass Fuller faucets with china handles; nickel-plated brass supply pipes to wall and nickel-plated brass 1½" waste trap to wall.

**DIMENSIONS**

<table>
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</tr>
<tr>
<td>List Price</td>
<td>$51.50</td>
</tr>
<tr>
<td>Laundry Slab only</td>
<td>21.00</td>
</tr>
<tr>
<td>Pedestal only</td>
<td>11.00</td>
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</tbody>
</table>

**PLATE 2011-S**

**HOW TO SPECIFY**—"Maddocks" White vitreous china swelled front lavatory, plate 2011-S; size (see below), with vitreous china fluted pedestal. Fitted with nickel-plated brass combination pop-up waste fixture with china waste knob, Fuller supply valves with china handles and escutcheons; nickel-plated brass supply pipes to wall and nickel-plated brass 1½" waste trap to wall.

**DIMENSIONS**

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<tr>
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</tr>
<tr>
<td>List Price</td>
<td>$64.50</td>
</tr>
<tr>
<td>Laundry Slab only</td>
<td>21.00</td>
</tr>
<tr>
<td>Pedestal only</td>
<td>11.00</td>
</tr>
</tbody>
</table>

**PLATE 2030-S**

**HOW TO SPECIFY**—"Maddocks" White vitreous china barber lavatory, plate 2030-S; size 27" x 22", with hooded overflow and vitreous china pedestal. Fitted with nickel-plated brass pop-up waste with china waste knob, nickel-plated brass combination shampoo fixture with mixing chamber, nickel-plated brass Fuller faucets with china handles and china indexes. Mixing valve with china handle, shampoo valve with china-tipped compression handle, nickel-plated brass supply pipes to wall and nickel-plated brass 1½" waste trap to wall.

**DIMENSIONS**

<table>
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<tr>
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<td>27&quot; x 22&quot;</td>
</tr>
<tr>
<td>Bowl</td>
<td>16½&quot; x 12½&quot; x 6&quot;</td>
</tr>
<tr>
<td>List Price</td>
<td>$110.25</td>
</tr>
<tr>
<td>Laundry Slab only</td>
<td>28.25</td>
</tr>
<tr>
<td>Pedestal only</td>
<td>11.00</td>
</tr>
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</table>

The above is a reduced facsimile of manufacturer's catalog page (standard size 10½" x 12") in "Building Trade Catalogs." See opposite page for announcement.
The opposite page shows a reduced facsimile of a page from the complete catalog of Thomas Maddock's Sons Company, as it is incorporated into Building Trade Catalogs (The A. B. C. System). The catalog of Thomas Maddock’s Sons Company with over one hundred illustrations showing their full line of Vitreous China plumbing fixtures has been standardized and condensed in Building Trade Catalogs, so that Architects can instantly make selections and use the specification data and technical descriptions of this important line of products.

This is one of the most important catalogs included in the extensive contents of Volume “A” of Building Trade Catalogs and clearly demonstrates the practicability of the locked loose-leaf plan of the A. B. C. System to present and maintain complete catalogs in the offices of specifying Architects.

Associated Builders Catalog Co.
225 West 39th Street, New York City
ARCHITECTS know that Wolff Plumbing Goods will give perfect service year after year with ordinary care and attention. The renting agent frequently calls attention to the Wolff Plumbing Fixtures as his best guarantee to the prospective tenant of the high grade of the plumbing system—indeed, the type of the whole building is many times inferred from the use of Wolff material throughout. The City Hall Square Building is equipped throughout with Monument Vitreous and Monarch Porcelain Fixtures from the Wolff Factories.

L. Wolff Manufacturing Co.
Manufacturers of
PLUMBING GOODS EXCLUSIVELY
The Only Complete Line made by any one firm

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SAN FRANCISCO, CAL., Monadnock Bldg.
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DENVER, COLO.

Architect of Building. C. A. ECKSTORM. General Contractor, F. P. NELSON & SONS. Plumbing Contractor, HULBERT & DORSEY.

WOLFF
Plumbing
GOODS
FIFTY SEVEN YEARS
OF QUALITY

The AMERICAN ARCHITECT
Vol. CI, No. 1894
Accidents due to slipping are impossible where GRUEBY NON-SLIP TILE are used. The raised lines of vitrified clay offer greater frictional resistance than paving brick and their arrangement is such that they grip the ball and heel of one's shoe. Uncovered stair treads of this material are not only entirely feasible from a manufacturing standpoint, but they are intensely practical from the standpoint of durability and safety afforded. From a standpoint of their artistic excellence they mark a new and advanced era.

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Address—GRUEBY FAIENCE AND TILE CO.
K and First Streets - - BOSTON, MASS.

Representatives
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CARL ENOS NASH
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FOR RESIDENCES

AUTOMATIC Refrigerating Plants are peculiarly adapted for installation in High Class Residences doing away with the disagreeable visits of the Ice man, and the Automatic control and Safety Devices doing away with the disagreeable features usually associated with Mechanical appliances in the Household.

We are always glad to assist Architects in every possible way and will be pleased to answer their questions and on receipt of plans to make estimates and offer suggestions based on our experience.

Let us do this for you—

THE AUTOMATIC REFRIGERATING COMPANY
Main Office and Works: HARTFORD, CONNECTICUT
We are the ONLY builders of AUTOMATIC Refrigerating plants and are thoroughly protected by Patents
FIRE COMPANIES BUILDING
No. 80 Maiden Lane, New York City
Architects
D. H. Burnham Co., Chicago, Ill.
Contractors
Thompson-Starrett Co., New York City

1799 were Union Gates, like cut above, used in this building.

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