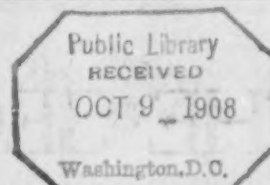


Furnished by
Henry Pastor
Memorial Fund.



The AMERICAN ARCHITECT AND BUILDING NEWS

Regular Edition

VOL. XCIV.

OCTOBER 7, 1908

No. 1711

THE BROOKLYN ACADEMY OF MUSIC, BROOKLYN, N. Y.....	113
COLOGNE CATHEDRAL.....	117
A REINFORCED CONCRETE METEOROLOGICAL OBSERVATORY.....	117
STATE REVENUES FROM NATIONAL FORESTS.....	118
SKYSCRAPERS OF ROME.....	119
RECENT LEGAL DECISIONS.....	119
EDITORIAL COMMENT.....	120

The Convention of the Architectural League of America—The Brooklyn Academy of Music; One of the Notable Exceptions to Theatre Buildings, Which, as a Class are Lacking Architecturally—Exceptionally Favorable Conditions for Building Now Prevalent Throughout the East—Highly Satisfactory Effect Produced by Illumination of Singer Building Tower.

ILLUSTRATIONS:

The Brooklyn Academy of Music, 8 pages.

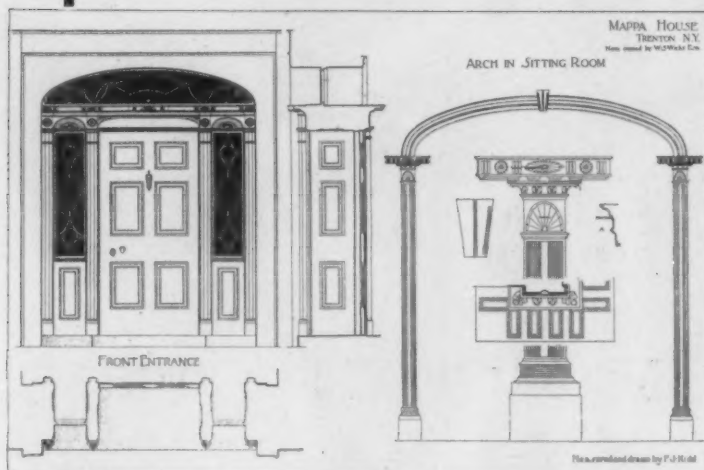
Additional:

Stairway Approach to Church of St. Trinità de'Monti, Rome—
Stairway, Villa Conti, Frascati, Italy.

THE THIRTY-NINTH STREET BUILDING
231-241 WEST THIRTY-NINTH STREET, NEW YORK

THE GEORGIAN PERIOD

AN ENCYCLOPEDIA OF COLONIAL ARCHITECTURE



Copyright, 1900, by The American Architect and Building News Co.

THE publishers again present *The Georgian Period* to the attention of practicing architects whose libraries still lack these important volumes.

This commendable work, edited by William Rotch Ware, probably constitutes the best illustrated and most comprehensive series of volumes ever issued on the subject of Colonial Architecture.

Knowing that architects ordinarily appreciate the value of measured drawings, the editor secured the co-operation of architects and draughtsmen who have contributed to this work hundreds of measured, scale and full sized drawings, making the details of the buildings and parts shown in photogravure and half tone, of practical use. Two of these drawings are reproduced on this page.

The engravings are faithful reproductions of scores of examples of Colonial Architecture, taken from the following States embraced in the thirteen original colonies, and the mother country:

NEW ENGLAND
PENNSYLVANIA
NEW YORK

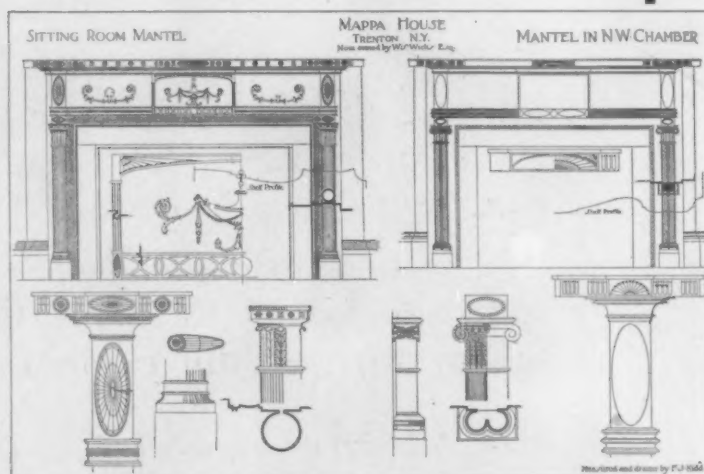
VIRGINIA
SOUTH CAROLINA
(Other Southern States)

ENGLAND
IRELAND

The text-matter, illustrated by some five hundred illustrations of houses, etc., consists of individual essays—all well written. They, therefore, give the reader an admirable idea of the most interesting buildings, all along our Atlantic seaboard.

Descriptive brochure, also full size sample sheets will be sent upon request.

AMERICAN ARCHITECT
239 West 39th Street
NEW YORK

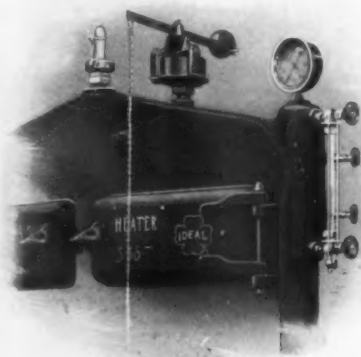


Copyright, 1902, by The American Architect and Building News Co.

A Still-Better Boiler

The latest step in advance in manufacturing Steam Boilers is the new Consolidated Water Column—that is, a water column cast on the first section of IDEAL Sectional Steam Boilers.

This “new wrinkle” means a three-fold saving in time, labor, pipe and fittings, and gives a graceful, pleasing outline to the boiler.



The new Consolidated Water Column cast as part of the first section.

AMERICAN & IDEAL
RADIATORS & BOILERS

The new Consolidated Water Column insures quicker results in the accurate reading of the water gauge and is designed to accord with the best methods of engineering practice, insuring higher degrees of satisfaction to the architect's client.

Just one more step in making IDEAL BOILERS the most economical, efficient, and handsome of all boilers.

AMERICAN RADIATOR COMPANY

General Offices: 282-286 Michigan Ave., Chicago

PHILADELPHIA
NEW YORK
BOSTON
BUFFALO
PITTSBURG

CINCINNATI
CLEVELAND
DETROIT
INDIANAPOLIS
CHICAGO

MILWAUKEE
ST. LOUIS
KANSAS CITY
ATLANTA
MEMPHIS

MINNEAPOLIS
OMAHA
DENVER
SEATTLE
SAN FRANCISCO

Corrugated Bar Buildings are Permanent.

It is important that the steel in a reinforced concrete building be accurately bent and properly located.

You can assure exact conformity with your details by obtaining Corrugated Bars bent at our shops—and exact placement by using Economy Unit Frames.

In a word we supply “Fabricated Reinforcement” and know that our proposition merits your consideration.

Expanded Metal and Corrugated Bar Co.

FRISCO BLDG.

ST. LOUIS.



Carrere and Hastings
Architects
New York, N. Y.

MRS. R. H. TOWNSEND RESIDENCE
Washington, D. C.

Windsor Cut Stone Co
Cut Stone Contractors

To specify "Old Hoosier" is to specify the BEST. It makes the Architect the arbiter as to the stone to be used, and the producers of "Old Hoosier" will guarantee the price to be non-fluctuating, which is ample protection.

"Old Hoosier" is produced only from The Hoosier Quarry, owned and operated exclusively by

THE BEDFORD QUARRIES COMPANY

204 Dearborn Street
Chicago, Ill.

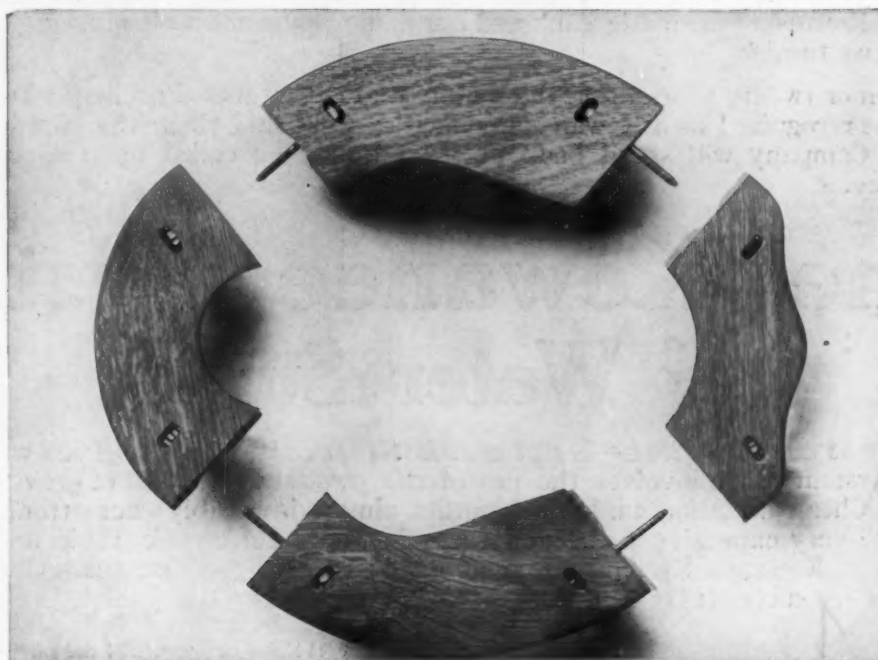
1 Madison Avenue
New York, N. Y.

818 Euclid Avenue
Cleveland, Ohio

READ THE GUARANTEE

OUR GUARANTEE—"The 'Never-Split' Seats are guaranteed for five years not to split or come apart at the joints."—And that is exactly what we mean.

Dampness and other harmful influences will not cause any dissatisfaction with a "Never-Split" Closet Seat. So do not hesitate another minute. **Specify "Never-Split."**



All "Never-Split" Seats have, in addition to tongue, groove and glue of the ordinary seat, a sturdy steel bolt in each joint, as shown in the illustration. In the selection of woods the same care is exercised as for the highest grades of the ordinary kind. Absolutely nothing is sacrificed to the mere reputation of the strength of the bolts. The rigidity, everlastingness and sanitary perfection of the "Never-Split" Seat is a source of unceasing satisfaction to the discriminating architect and his client. All styles in wood and finish are obtainable.

Write it in your specifications—"Never-Split" Seats

For specification requirements see page 8, Catalogue "C." Please make requisition by Post Card.

NEVER-SPLIT SEAT COMPANY

EVANSVILLE, INDIANA



This
Trade
Mark
Proves it

THIS trade mark on a pneumatic tank, proves that it is a Kewanee Pneumatic Tank. Any pneumatic tank which does *not* have this trade mark on it, is positively *not* a **Kewanee Tank**. We want every architect to know this, because some people are under the impression that any pneumatic tank is a Kewanee Tank.

There are imitations of Kewanee Pneumatic Tanks and of our complete water supply plants. To protect ourselves from imitators, we put this trade mark on every Kewanee Pneumatic Tank and our name appears on all pumping machinery which we furnish.

In ten or twenty years after the purchase of a Kewanee Pneumatic Tank, it will easily be recognized as a Kewanee Pneumatic Tank; and then, the Kewanee Water Supply Company will stand back of it and may be called upon to correct any deficiency.

The Kewanee System of Water Supply

is *not an imitation*—is *not a substitute*. It is the *original* water supply system which involves the use of *air pressure* instead of gravity pressure. Cheap imitation tanks and outfits almost invariably cause trouble and are very expensive in the long run. Kewanee Pneumatic Tanks and complete Kewanee Systems are guaranteed to give good service. Over 8,000 in successful operation.

Write for our illustrated catalog. Let us explain our plan for assisting Architects. Let us tell you about our guarantee; and when you have a water supply problem, let us solve it for you. Please mention "AMERICAN ARCHITECT."

**Kewanee Water
Supply Company**

Kewanee, - - Illinois.

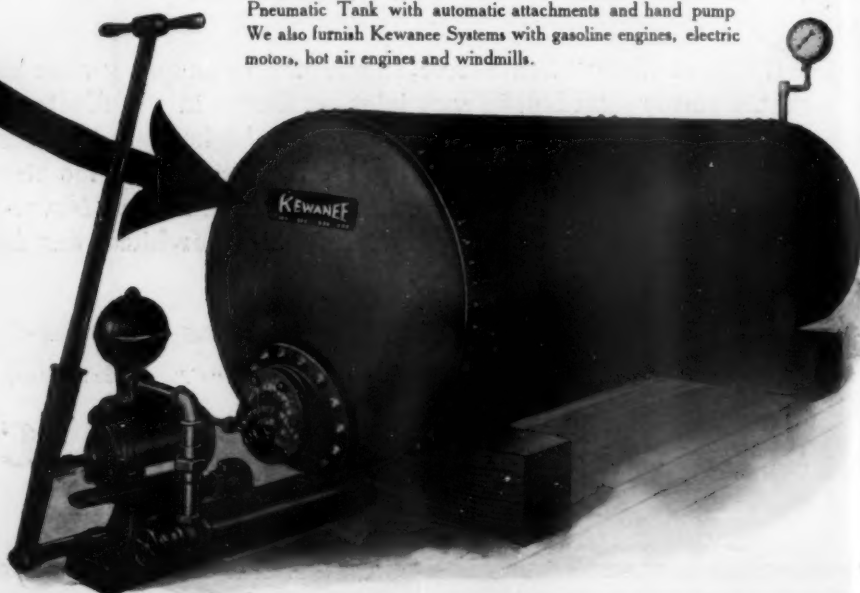
820 Marquette Bldg., Chicago, Ill.

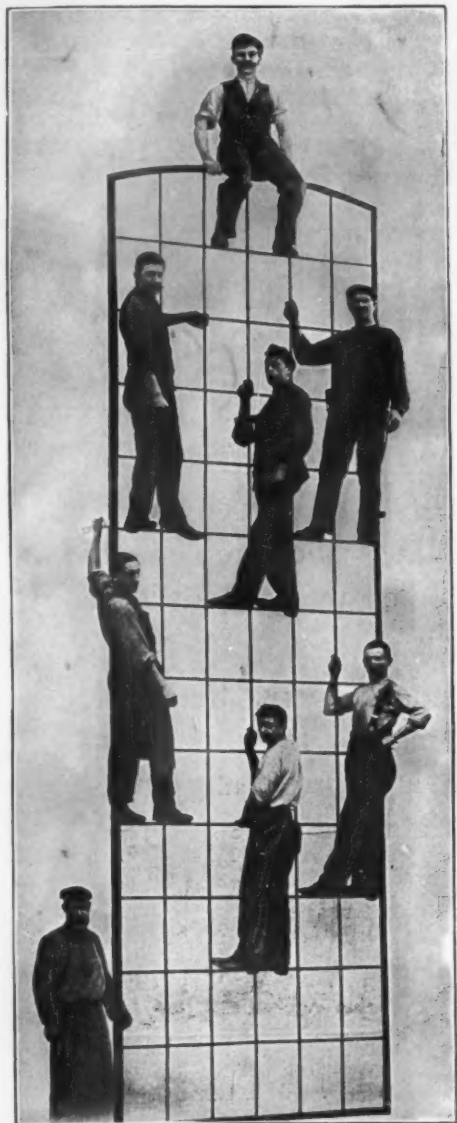
1566 Hudson Terminal Bldg.,

50 Church St., New York City.

710 Diamond Bank Bldg., Pittsburg.

This is our No. 11 Kewanee System which includes a Kewanee Pneumatic Tank with automatic attachments and hand pump. We also furnish Kewanee Systems with gasoline engines, electric motors, hot air engines and windmills.





COMPLETE "FENESTRA" WINDOW "Patented"

DETROIT "FENESTRA" WROUGHT STEEL WINDOW SASH

A Fireproof Window

A Strong Window

An Inexpensive Window

FOR

FACTORIES
POWER HOUSES
WAREHOUSES
PUBLIC BUILDINGS
INSTITUTIONS
JAILS, etc., etc., etc.

DETROIT FENESTRA SASH is manufactured from special rolled steel section, and is preferable to any other metal sash on the market for the certain class of substantial construction heretofore mentioned. Its cost is much below that of other metal sash, while its strength and durability is readily appreciated.

It can be made to fit any opening, large or small, and to withstand wind pressure up to 16' x 20' without reinforcement. Expensive frames are done away with, and more light area is obtained from the given opening.

The sash with all its strength has a light and slightly appearance; it can be divided into various sizes of panes, from the smallest to the large paned, say 20 x 30 inches, if desirable.

In basement windows of city houses the sash becomes a steel grating, giving protection from thieves and burglars, and nothing to interfere with washing.

For use in institutions and insane asylums, its combined value as a grating, without the apparent visible effect, can be at once understood.

In paper mills, soda ash works and other similar plants where chemical action or dampness destroys sheet metal and wood, the *Detroit Fenestra Sash* are being used to replace.

We invite correspondence, and if encouraged will gladly send an expert to consult. Write to us to-day.

DETROIT
STEEL PRODUCTS COMPANY
DETROIT, MICHIGAN

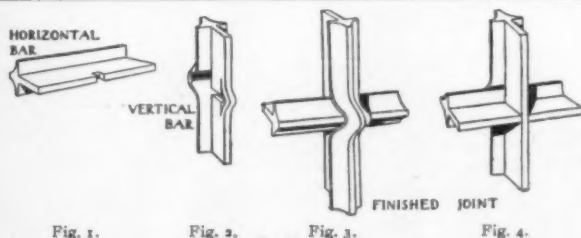


Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

THE "FENESTRA" JOINT

In the "Fenestra" joint, as can be seen above, a small cross slot is made in one of the bars (Fig. 2), only sufficiently large to allow the flange of the other bar (Fig. 1) to pass through it. The moulded portion of the bar (Fig. 2) is then hydraulically pressed out far enough to allow of the moulded portion of the other bar (Fig. 1) to pass between it and its flange.

The inserted bar (Fig. 1) is only cut in one place, a small nick being made to allow of its being locked in position.

A Puritan Sanitary Floor

is an essential to the equipment of a modern building as is the most perfect system of heat, light and ventilation.

¶ Architects have studied the problem of sanitary floors, and studied in vain until the introduction of "Puritan."

¶ It is dependable, non-slippery, free from fibrous and vegetable matter, incombustible, agreeable to the tread and practically indestructible under any traffic to which it may be subjected.

Puritan Sanitary Floor is laid in the

Deaconesses' Hospital, Boston.
St. Alphonsus Seminary, Esopus, N. Y.
House of the Good Shepherd, Boston.
Wellington School, Cambridge, Mass.
City Hospital, Boston, Mass.
Douglas Hospital, Brockton, Mass.
St. Barnabas Hospital, Portland, Me.

Channing Home, Brookline, Mass.
Amherst College, Amherst, Mass.
High School, Malden, Mass.
Soldiers' Home Hospital, Boston.
Butler Hospital, Providence, R. I.
Harvard Medical School, Boston.
Wentworth Hospital, Dover, N. H.

Salvation Army's "People's Palace," Boston.

Warren Brothers Company
Boston, Massachusetts

Economy in Fireproofing

Terra Cotta Hollow Tile is being so universally considered and used as a fireproof covering for protecting the structural members of a building, that its own strength and adaptability for structural uses has been largely overlooked.

For instance, we are constantly demonstrating that Hollow Tile combined with other structural materials in such a manner as to secure the full strength of the tile, not only produces a better fireproof construction but does so **at a less cost**, than can be attained by the use of any other materials.

Send us your plans where fireproof construction is specified, and let us show you how these results are secured.

You will probably be surprised to see how favorably our figures compare with the cost of using other material which **does not** give as efficient fire protection.

National Fire Proofing Company

Manufacturers of

TERRA COTTA HOLLOW TILE

Contractors for Construction of Fireproof Buildings

The largest firm in the world devoted exclusively to the business of fireproof construction. Capital Twelve and one-half Million Dollars.

CHICAGO, Commercial National Bank Bldg.	PITTSBURG, Fulton Bldg.	NEW YORK, Flatiron Bldg.
PHILADELPHIA, Land Title Building	WASHINGTON, D. C., Colorado Bldg.	MINNEAPOLIS, MINN., Lumber Ex.
BOSTON, Old South Bldg.	LOS ANGELES, CALIF., Union Trust Bldg.	ST. LOUIS, MO.
	LONDON, ENG., 26 Chancery Lane	

Twenty-six factories throughout the United States.

PEERLESS RUBBER TILING

— CUSHION BACK —

The Most Durable and Economical
Floor Covering Made

BEAUTIFUL DESIGNS EFFECTIVE COLORINGS

Noiseless, Waterproof and Non-absorbent

¶ Peerless Rubber Tiling is made in large continuous sheets, and is impregnable to dirt and moisture.

¶ It is sanitary, beautiful and a durable rubber floor covering.

¶ Beware of cheap substitutions and imitations purporting to be sheet rubber tiling.

SEND FOR OUR CATALOGUE ILLUSTRATED IN COLORS.

PRICES ON APPLICATION.

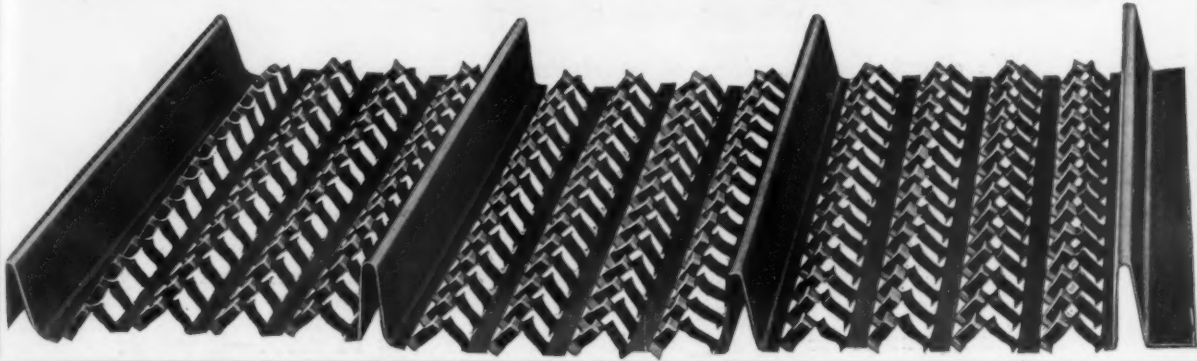
MANUFACTURED EXCLUSIVELY BY

The Peerless Rubber Manufacturing Company

16 Warren Street and 88 Chambers Street

NEW YORK

HY-RIB Sheathing



PARTITIONS

No studs or centering are necessary in solid partitions reinforced with *Hy-Rib Sheathing*. The *Hy-Rib* combines in a single sheet the ordinary lath and separate stud construction. Simply set up the sheet of *Hy-Rib*—plaster both sides—the wall is complete.

FURRING

For furring walls to make them damp-proof and moisture-proof, fasten the *Hy-Rib* against the wall, and plaster the lath surface. A perfect air space is secured back of the plaster without the use of any studs.

SUSPENDED CEILINGS

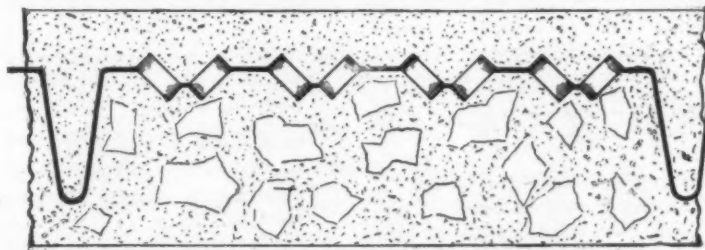
Hy-Rib does away with the small T's and channels ordinarily used to stiffen the lathing. Simply attach the *Hy-Rib* and plaster underneath.

Hy-Rib does away with all expense of wiring sheets of lath to separate studs. No centering is required when used in walls or floors. The ribs give the necessary strength and rigidity.

Hy-Rib Sheathing is low in first cost. Saves money in installation. Makes stronger and better walls. The ideal construction for roofs and sidings of Industrial Buildings and floors.

You should know *Hy-Rib* if you are planning any building work at all. Write to-day for Catalogues and Prices.

Also separate Catalogues describing other Kahn System Products, *Kahn Trussed Bar—Rib Metal—Rib Lath* and *Cup Bars*. Catalogues of Tests of Structures of every kind, and "Kahn System Standards," the best Handbook on Reinforced Concrete.



Full sized cross section of Slab or Wall reinforced with *Hy-Grade*. Note great rigidity and perfect surface for plastering.

TRUSSED CONCRETE STEEL COMPANY

618 TRUSSED CONCRETE BUILDING

DETROIT, MICHIGAN

OFFICES IN ALL PRINCIPAL CITIES

KAHN SYSTEM

ARCHITECTS' LIBRARY

BOOKS FOR ARCHITECTS

We direct the attention of practicing architects everywhere to this and the following page, on which we have listed a few of the many standard Architectural works that are now selling steadily.

The American Architect's Book Department is prepared to fill all orders for these or for any other standard works not given here. A succeeding advertisement will list many more books of value to Architects and Builders, but we feel assured that the subjoined collection will meet many requirements.

Send your order for any architectural work now in print—if we do not have it we will see that you are supplied at publisher's prices.

Remember that all of these volumes form integral parts of the libraries of those who are ambitious to "do things," and we say this positively, because the unforced demand for all the works indicates most surely their practical value to men of thought and action.

ARCHITECTURAL DETAILS (ORNAMENTAL AND STRUCTURAL) OF THE RENAISSANCE PERIOD IN ENGLAND

Portfolio containing 52 large plates, selected from Gotch's Renaissance Architecture in England and Belcher's Later Renaissance and reproduced in facsimile. Price, \$10.00.

HISTORICAL MOTIF OF ARCHITECTURE AND SCULPTURE IN FRANCE

By Cesar Daly. Series I, Exteriors and Exterior Details, 198 plates. Series II, Interiors and Interior Details, 156 plates. Price per series in two portfolios, \$20.00. Price per series bound in two volumes, guarded, \$25.00.

CATHEDRAL OF ST. JOHN THE DIVINE

Illustrating the Competitive Design for the Great Protestant Episcopal Cathedral now being erected in New York. Price, bound, \$6.00; in loose sheets, \$2.50.

ENGLISH SHOP FRONTS, OLD AND NEW

A series of examples by leading architects, selected and specially photographed, together with descriptive notes and illustrations, by Horace Dan, M. S. A., and E. C. Morgan Willmott, A. R. I. B. A. Price, \$6.00 net.

OLD PARIS—LeVIEUX PARIS

Its historical buildings and their details. Volume I, Romanesque, Gothic Period, 90 heliotype plates (13x16 1-2) and 120 illustrations in the text, in portfolio, \$21.00.

Volume II, Early Renaissance, Styles Louis XII and Francis I, 60 heliotype plates (13 x 16 1-2 inches) and 116 illustrations in the text, in portfolio, \$20.00.

STUDENT'S EDITION OF THE GEORGIAN PERIOD

Price, \$15.00

IRON DOORS AND WINDOW GRILLES

One Hundred and Four Plates, Price, bound in red cloth, gilt tops, \$7.50; portfolio, \$6.50.

SEATS OF THE COLONISTS

Measured drawings and photographs of examples of Colonial Furniture, in portfolio, 10 x 14 inches. Price, \$5.00.

NORMAN MONUMENTS OF PALERMO

By Arne Dehli, Illustrated with 50 plates, 13 x 17 1-2 inches. Price, bound, \$10.00; unbound, \$9.00.

PULPITS, FONTS AND ORGAN CASES

Bound in red cloth, gilt tops, containing 80 plates. Price, \$5.00.

RENAISSANCE DOORWAYS

Price, bound in red cloth, gilt tops, \$7.50; in portfolio, \$6.50.

ARCHITECTS' LIBRARY

BUNGALOWS, CAMPS AND MOUNTAIN HOUSES

25 pages of text and description, 85 pages illustrations, plans, etc. Interiors and details, elaborately illustrated. Price, \$2.00 bound.

ARCHITECTURAL DETAILS AND ORNAMENTS OF CHURCH BUILDINGS

Styles of Middle Ages. Two series each. 55 heliotype plates, folio size. \$13.40 per series.

OLD WOOD ARCHITECTURE IN SWITZERLAND

16th, 17th and 18th Centuries. 32 heliotype plates—14 x 19 inches. 32 pages illustrated. German Text, in portfolio, \$12.00.

DETAILS FOR STONE AND BRICK ARCHITECTURE

48 lithographic plates—folio size. Price, \$10.00.

COUNTRY AND CITY CHURCHES

Drawings of perspective views. Details and plans. Price, \$12.00.

PLANNING AND CONSTRUCTION OF AMERICAN THEATRES

Fully illustrated, 8vo, cloth. By Wm. H. Birkmire, \$3.00.

MODERN AMERICAN SCHOOL BUILDINGS

By Warren Briggs. Size 6 x 9 inches, 412 pages—90 pages illustrations. Cloth, \$4.00.

HISTORIC MODERN STYLES OF ARCHITECTURE

Two volumes, with 545 illustrations. Half leather binding. \$10.00.

MODERN SCHOOL BUILDINGS

Elementary and Secondary. Treatise on Planning and Arrangement of Day and Boarding Schools. Lighting, Heating and Ventilation and Sanitation. Illustrations and plans, Details and Interiors. Bound in Cloth, \$10.00.

STATELY HOMES IN AMERICA

From Colonial Times to Present Date. With descriptions and illustrations. Net, \$7.50.

COUNTRY AND SUBURBAN HOUSES

By William Dewanap, Architect. Perspective sketches of Interiors and Exteriors. With plans and illustrations. Colonial and modern styles, \$2.00. Also on English and Half Timber. With specifications and suggestions, \$2.00.

ART OF BUILDING A HOUSE

By Parker and Unwin. Lectures and Illustrations. 68 plates, plans, line drawings, etc. Price, \$3.75.

"PLANNING AND CONSTRUCTION OF HIGH OFFICE BUILDINGS"

Fully illustrated with half tones of modern buildings, 345 pages. Price \$3.50.

HISTORIC HOUSES AND THEIR GARDENS

\$6.00. By Osborne.

THE GEORGIAN PERIOD

This commendable work, edited by William Rotch Ware, probably constitutes the best illustrated and most comprehensive series of volumes ever issued on the subject of Colonial Architecture.

Knowing that architects ordinarily appreciate the value of measured drawings, the editor secured the co-operation of architects and draughtsmen who have contributed to this work hundreds of measured, scale and full-sized drawings, making the details of the buildings and parts shown in photogravure and half tone, of practical use. The engravings are faithful reproductions of scores of examples of Colonial Architecture, taken from the States embraced in the thirteen original colonies, and the mother country.

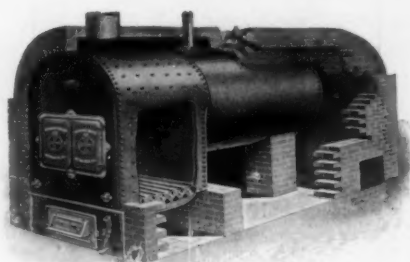
If you will signify your interest in this work, by writing to us, we will furnish you information concerning prices and a plan by which you may purchase The Georgian Period in an easy way.

THE AMERICAN ARCHITECT

231-241 W. 39th St., New York

When a Man gets the best of a Bargain, the World laughs with him, but when the Bargain gets the best of it, the World laughs at him.

Don't let your client be laughed at Mr. Architect. The best is none too good for him. : :



Here is the point: When your client is pleased with his outfit, he has the best of the bargain, and has the laugh on the other fellow.

Pleased? He wouldn't know he had a boiler in the house if he wasn't so comfortable. It works so easily, needs so little attention, and fills the house with such a pleasant summer heat, and yet with so little trouble.

Remember:

Thirty-five years of rich experience has made **KEWANEE** and **HAXTVN** Boilers best for the money.

The **KEWANEE** for the larger, and the **HAXTVN** for the smaller installations.

Remember too:

The **KEWANEE** line is the largest and most complete line of steel and wrought iron boilers made. Think about it. Put the name **KEWANEE** in your specifications.

Send for catalogues.

KEWANEE BOILER COMPANY
KEWANEE, ILLINOIS

Luxfer



The place to get a good idea of the daylighting work done by

Luxfer

PRISMS

is to go inside any one of the buildings we have equipped

There are over twenty-seven thousand buildings in the United States, the owners of which are paying less for gas and electric light than they would if they were not equipped with one or more of the various forms of

Luxfer

PRISMS

Send for our book "DAYLIGHTING." It will give you some new ideas upon maintenance economy.

AMERICAN Luxfer Prism COMPANY

OFFICES:

CHICAGO, Heyworth Bldg.
BOSTON, 49 Federal St.
BALTIMORE, 32 Builders' Ex.
CLEVELAND, 1022 Garfield Bldg.
CINCINNATI, 37 Thoms Bldg.
DULUTH, 106 W. Michigan St.
INDIANAPOLIS, 342 E. Washington St.
KANSAS CITY, 948 N. Y. Life Bldg.
LOS ANGELES, 232 Bradbury Bldg.

MILWAUKEE, 1112 Railway Ex.
NEW YORK, 507 W. Broadway.
NEW ORLEANS, 904 Hennen Bldg.
PITTSBURGH, 1022 Fulton Bldg.
PHILADELPHIA, 608 Chestnut St.
ROCHESTER, 38 Exchange St.
ST. LOUIS, 1022 Carleton Bldg.
ST. PAUL, 615 Ryan Bldg.
SAN FRANCISCO, 245 Oak St.
SEATTLE, 31 Maynard Bldg.
DALLAS, Builders' Exchange.



The Value of Extreme Whiteness

Carter White Lead is really white—a pure white. Other white leads are gray by comparison.

This extreme whiteness of Carter Lead insures strong, pure colors of great brilliancy. It produces those soft, velvety and delicate tints so often desired by architects and which are impossible to produce with ordinary brands of lead.

CARTER Strictly Pure **White Lead**

is also the finest lead on the market—it is always uniform in both color and texture. This fineness makes Carter spread farther—just as a cup of flour will spread farther than a cup of wheat.

Specify Carter for your next particular job—watch the results carefully. After one experience you will continue to specify it on its merits.

Let us send you a copy of our beautiful book, "PURE PAINT" with a set of modern color schemes. They may help you.

CARTER WHITE LEAD CO.

W. P. Station 100 CHICAGO, ILLINOIS
Factories: Chicago—Omaha



"ANTI-PLUVIUS" SKYLIGHTS

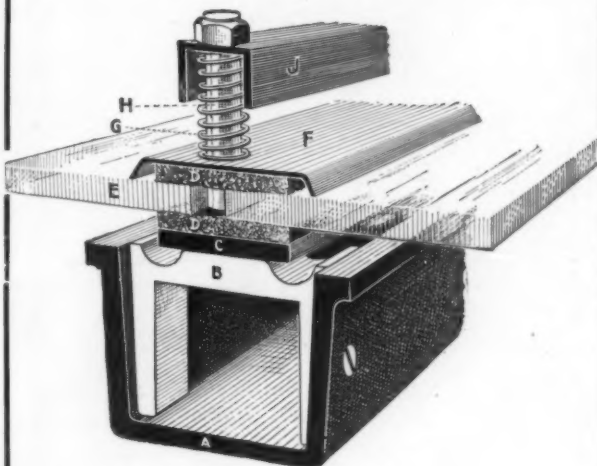
ARE

PUTTYLESS

DURABLE

REASONABLE

WEATHERTIGHT



THE LOCAL SHEET METAL
OR GENERAL CONTRACTOR
CAN EASILY ERECT "ANTI-
PLUVIUS" SKYLIGHTS

Before writing skylight specifications send for full size details

THE
G. DROUVÉ CO.

BRIDGEPORT, CONN.

CHICAGO

BEWARE OF IMITATIONS

The Entire Exterior Decoration of the Brooklyn Academy of Music, illustrated in this issue is elaborately executed in glazed colors, presenting a most satisfactory example of the correct use of

Atlantic Faience.

Atlantic Terra Cotta Company

The largest manufacturers of
Architectural Terra Cotta
in the world

FOUR LARGE FACTORIES AT

Tottenville, N. Y.

Perth Amboy, N. J.

Rocky Hill, N. J.

General Offices, No. 1170 Broadway, New York City.

BRANCH OFFICES AND AGENCIES

BOSTON, 294 Washington St.
PHILADELPHIA, 1308 Commonwealth Bldg.
PITTSBURGH, 1113 Fulton Bldg.
ATLANTA, 622 Austell Bldg.
SAN FRANCISCO, Baumiller, McNear & Co., 255 California St.
MONTREAL, CAN., D. McGill, Merchants' Bank Chambers.

WASHINGTON, D. C., W. A. Mills, 729 15th St., N. W.
NORFOLK, Va., G. S. Friebe, Carpenter Bldg.
MILWAUKEE, WIS., L. H. Taylor, Miller Bldg.
BUFFALO, John H. Black Co., Builders' Exchange.
MINNEAPOLIS, MINN., Union Ry. Storage Co., Security Bank Bldg.
KANSAS CITY, Bryant Supply Co., Bryant Bldg.

ARCHITECTS' PORTFOLIO

DETACHED DWELLINGS

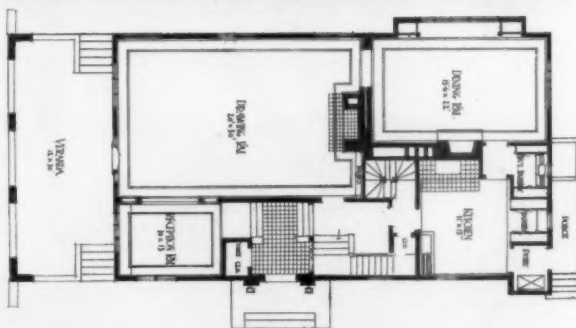
We call attention to this excellent collection of illustrations, embodying the best modern architectural studies obtainable, feeling confident that it will meet the requirements of practicing architects who specialize this branch of work.

The portfolio, "Detached Dwellings" contains one hundred examples of modern homes, each half tone illustration accompanied by detail drawings of floor plans, etc. In addition we present a number of pen and ink sketches in this portfolio, all exhibiting masterly treatment of the subjects under consideration.

Wood, brick, concrete and combination structures are here reproduced from photographs that exhibit a considerable amount of fine detail.

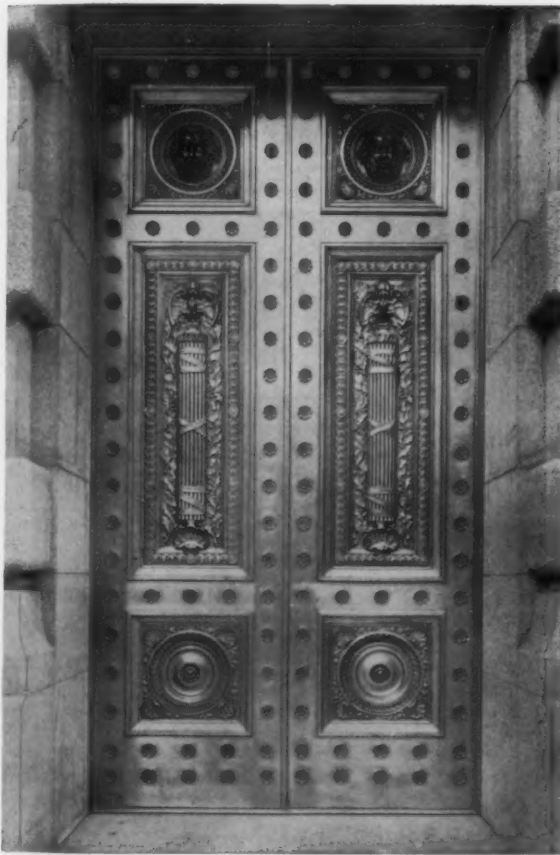
Interiors and dooways add to the value of the "Detached Dwellings" collection, and we earnestly recommend it to those interested as a well rounded, comprehensive exhibit of the work of men who do things well. "Detached Dwellings" will be sent, carriage prepaid, upon receipt of \$5.00—a most moderate price.

THE AMERICAN ARCHITECT
231-241 W. 39th Street New York City, N. Y.



Reduced illustrations, showing the practical value of this portfolio.

Ornamental Iron and Bronze



Bronze Entrance Doors, New York Custom House.
Cass Gilbert, Architect.

The Winslow Bros.
Company



CHICAGO

NEW YORK

Tanks



WE make a specialty of the design and construction of steel tanks for fire protection and general service. Our elevated tanks give a positive direct supply of water under pressure which is independent of the operation of any machinery to maintain the pressure until the tank is entirely empty.

The structure illustrated is built entirely of steel, including the ornamental features. Erected at Roslyn, L. I., on the estate of Mr. Benjamin Stern. Capacity 50,000 gallons, height 84 feet. Schickel & Ditmars, Architects.

CHICAGO BRIDGE AND
IRON WORKS

105th and Throop Streets, CHICAGO, ILL.

The Most Difficult Metal Work

is executed faithfully and carefully in Mullins factory. Each piece is stamped clean and sharp from sheet bronze, zinc or copper.

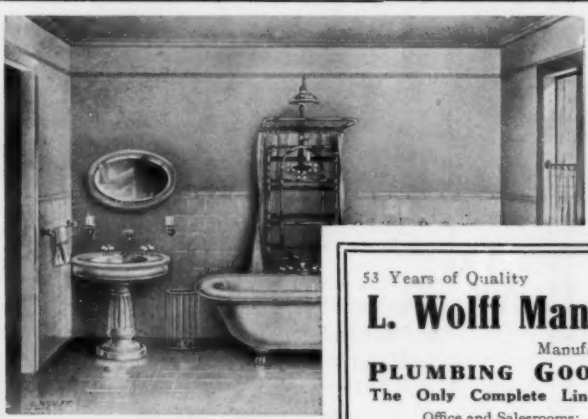


Mullins Art Architectural Sheet Metal Work and Statuary

are always artistically designed and correctly executed, with the best skill obtainable. Each piece is of uniform thickness, insuring durability and harmonious effect. We have hundreds of stock designs—better see them.

A most necessary book for the architect and contractor is our large 120-page catalog of Cornices, Friezes, Panels, etc., and separate catalog of Art Metal Tile Roofing and Mullins Sheet Metal Statuary. Sent free. Please specify the kind of metal work you are interested in.

W. H. Mullins Co., 206 Franklin St., Salem, O.






53 Years of Quality Established 1855

L. Wolff Manufacturing Co.

Manufacturers of

PLUMBING GOODS EXCLUSIVELY

The Only Complete Line Made by Any One Firm

Office and Salesrooms: Showrooms:

93 W. Lake St. 91 Dearborn St.

DENVER, COL. CHICAGO TRENTON, N. J.

BRANCH OFFICES: Minneapolis, Minn., 615 Northwestern Bldg.
 Kansas City, Kas., 1209 Scarrett Bldg. Buffalo, N. Y., 77 Richmond Ave.
 Cleveland, Ohio, Builders' Exchange San Francisco, Cal., Monadnock Bldg.
 Omaha, Neb., 1108-1112 Nicholas St.

If you have not already secured the most complete PLUMBING CATALOGUE ever issued, send us a copy of your letter head at once. The new 1908 catalogue of L. Wolff Manufacturing Co. should be in every office.

PORCELAIN PLUMBING GOODS



THE CHELSEA BATH ROOM COMBINATION NO. 15

A Bath Room for
High Class Resi-
dences.



Catalogue "C" is ready
for distribution. Write
us on you own letter
head if you have
not received a
c o p y .

The
Monument Pottery
Company

*Manufacturers of Porcelain
Plumbing Goods and
Vitreous Lavatories*

TRENTON, New Jersey,
U. S. A.



BROWN BROS. MFG. CO.

ESTABLISHED 1860

INCORPORATED 1874

ORNAMENTAL IRON *and* BRONZE

22nd ST. and CAMPBELL AVE.

CHICAGO, ILL.

A Scientific Insulator

Contains innumerable minute dead-air spaces, giving highest insulating power. Warmer than back-plaster or six layers of rosin paper and costs less than 1c. a foot. Decay, moth and vermin proof and unflammable.

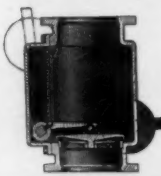


Samuel Cabot, Inc., Boston, Mass.
1133 Broadway, New York 28 Dearborn Ave., Chicago

A Perfect Deafener

Prevents the transmission of sound through walls and floors by absorbing and breaking up the sound-waves. The only deafener that does this. Send for Report of Prof. Norton on Sound-proofing tests for New England Conservatory of Music.

Samples also on request



Excelsior Straightway Back-pressure Valve

Has a full, unobstructed passage through it nearly in line with the pipe, and therefore offers no resistance to the free flow of steam. Thoroughly reliable when used as a back pressure valve, it is also adapted for use as a relief or free exhaust valve for condensers. By changing position of outside lever, it will work equally well in a vertical or horizontal position.

JENKINS BROS., New York, Boston, Philadelphia, Chicago, London.

ASPHALT FLOORS, ROOFS, SIDEWALK and CARRIAGE WAYS

of Public Buildings, Hospitals, Warehouses, Stables, Cellars, etc., laid with

VAL de TRAVERS ROCK ASPHALT

Durable, Fireproof and Impervious. For estimates, and list of works executed, apply to

The Neuchatel Asphalt Co., Limited, 265 Broadway, New York

Fragments D'Architecture

Published under the direction of

H. D'ESPOUY

Professor in charge of The Ecole des Beaux Arts.

■ ■ ■

It reproduces the work of many of the prize men of The Ecole des Beaux Arts and is devoted entirely to the restoration of the Ruins of Italy.

■ ■ ■ ■

The complete work consists of three series:

- | | | |
|--|---------|----------------------------|
| 1st series—"Ancient Architecture," | \$40.00 | 3 Vols.
for
\$110.00 |
| 2d series—"Middle Ages and Renaissance," | 40.00 | |
| 3d series—"Ancient Architecture," | 40.00 | |

Each volume, bound in buckram, with hinged plates, contains 100 Heliographic plates and sells for \$40.00. The three volumes complete for \$110.00.

■ ■ ■ ■

M. A. VINSON

DEALER AND IMPORTER

205 Caxton Building

Cleveland, Ohio

WHEN YOU GET TO SASH CORD SPECIFY SILVER LAKE A

And insist upon having it put in. To insure you against substitution, we stamp our name on every foot of our cord.

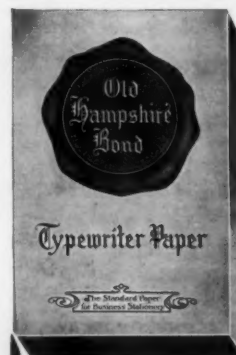


SILVER LAKE BRAIDED SASH CORD

Was originated by us, and for forty years has been recognized as—

THE STANDARD

Established 1869



What Typewriter Paper Do You Use?

Have you ever considered the use of a finely made, distinctive paper apart from the pleasure there is in handling it and writing upon it?

Any letter that carries a hope ought to be on paper that wins a welcome, and will make friends with the reader's eyes and his sense of quality.

Specifications and documents of any nature need, further, a paper that will stand plenty of usage and hold its strength and color indefinitely.

The great majority of professional men will thoroly appreciate Old Hampshire Bond Typewriter Paper. It is sold by the best stationers. A specimen book will be mailed upon request.

Hampshire Paper Company, South Hadley Falls, Mass.

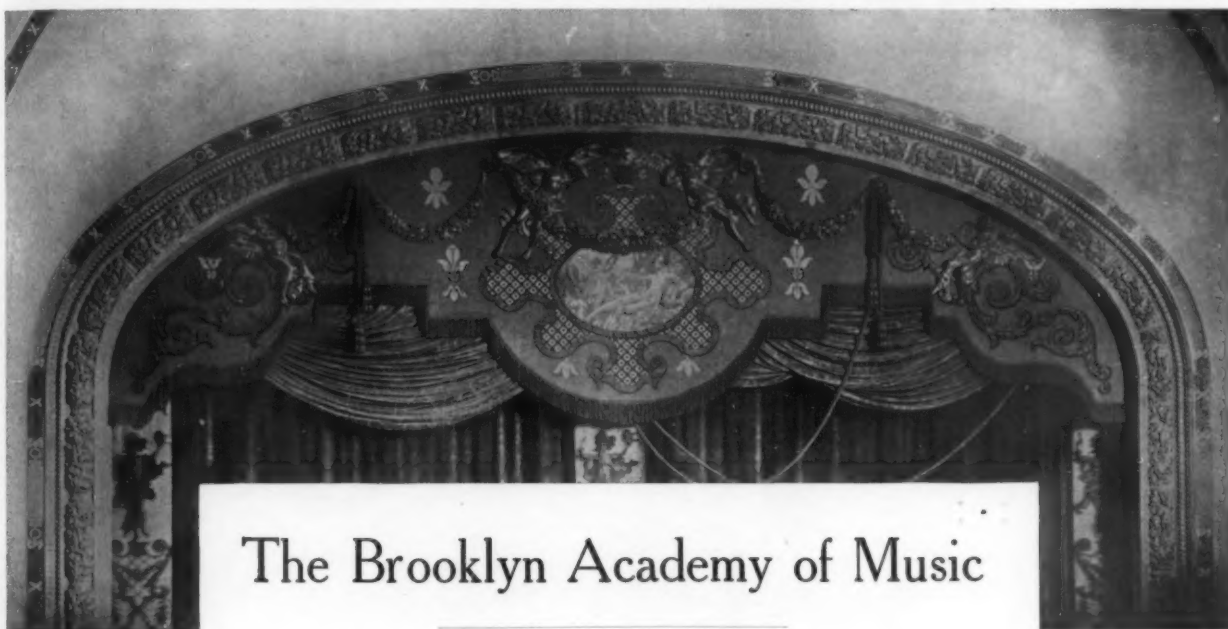
Public Library
RECEIVED
OCT 9 1908

THE AMERICAN ARCHITECT AND BUILDING NEWS

Vol. XCIV.

WEDNESDAY, OCTOBER 7, 1908.

No. 1711.



The Brooklyn Academy of Music

WHEN, on the 16th of September, the new Brooklyn Academy of Music was thrown open for public inspection, more than ten thousand people availed themselves of the opportunity to inspect a building that meant so much in the educational, art, and social life of that section of Greater New York. Included among the throng that came to view this valuable addition to the architectural features of New York was the Brooklyn Chapter of the American Institute of Architects who visited the building in a body. To mark their appreciation and also to stamp their approval on the work done, the chapter gave a dinner to Mr. Herts and Mr. Tallant, the architects of the building. Mr. Carrol, president of the Brooklyn Chapter, presided, and the principal address was made by Mr. Cass Gilbert, president of the American Institute of Architects.

The consensus of opinion expressed at this dinner was that the plan has been perfectly worked out and that the general scheme leaves nothing to be desired, and that the acoustic properties were perfect. It may seem like a paradox to state that the problems presented in the planning of this building were difficult and complex on account of their simplicity. To construct a building that would be readily available for the presentation of the highest form of opera, to provide concert facilities, to give space for social, and oftentimes

political functions, and to include in its arrangement ample facilities both as to space and lighting for lectures and classes in art, together with many other necessary features, was the problem presented.

The old Academy served Brooklyn for more than forty years, or from 1859 until in November, 1903, when it was destroyed by fire. It was used for many great purposes, and its loss was so keenly felt that the necessity for its replacement was believed to be imperative.

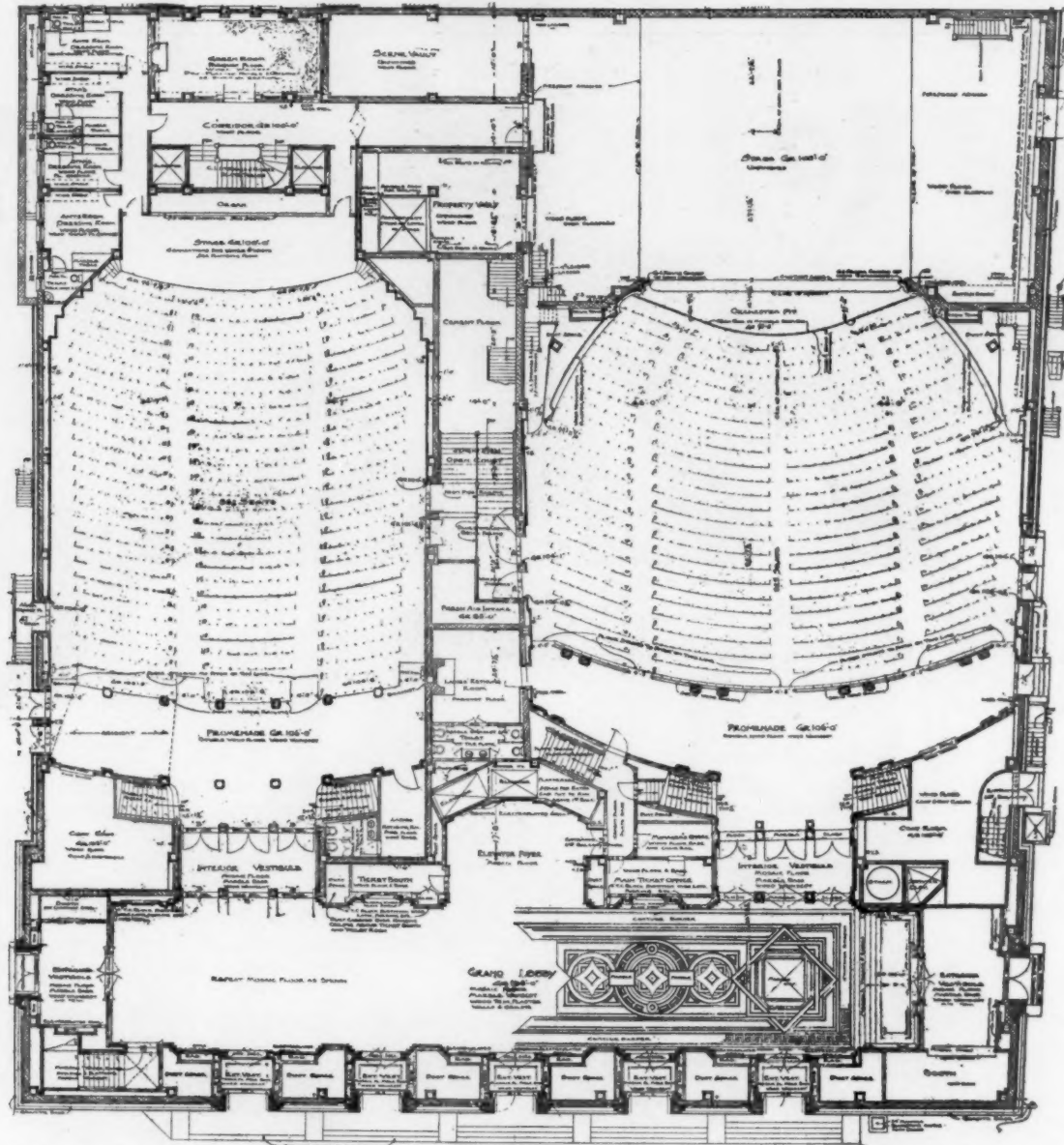
The plans were secured after a competition conducted after the best principles of architectural practice. The program of the competition was prepared under the direction of Professor Warren P. Laird, of the University of Pennsylvania, who, with Mr. John M. Carrere, of Carrere & Hastings, and Mr. Mead, of McKinn, Mead & White, composed the jury of award. The successful competitors were Messrs. Herts & Tallant of New York City.

Like all monumental structures whose purity of line and adherence to best architectural traditions accent their excellence, the Brooklyn Academy of Music is best characterized by the simplicity of its general arrangement. As indicated, this arrangement provides for a variety of functions. These are so related that they form a single organism or may be operated together. Characteristic of the best period of the Italian

renaissance, the exterior presents a simple, dignified ensemble. At all times have the architects kept in sight that this structure is intended as a conservatory of music and not an opera house alone. Within the limits of the classic design, the façade presents a dignified effect at no time by excess of ornamentation or unusual features suggesting the complex outlines of many buildings erected for similar purposes in many large European cities.

but in many cases the glaze has been left undisturbed to afford an opportunity to study the "weathering" effect on the more brilliant tones. As will be noted by the illustrations herewith, the ornamental terra-cotta has been used with rare good judgment. The aspect of the building, whether in the diffused light of a sombre day or the glare of brilliant sunlight, is equally attractive and satisfying.

Referring to the first floor plan which we reprint from



FIRST FLOOR PLAN.

Reprinted from THE AMERICAN ARCHITECT of Nov. 10, 1906.

The material used in the exterior is light brick trimmed with polychromatic terra-cotta. It presents a charm of color only to be obtained when directed by the best artistic perception. The tendency in this country to outrage æsthetic proprieties by the inharmonious introduction of color is so often met with that it is a pleasure to bear testimony to the excellent results that have been here achieved. The greater portion of the exterior finish has already been sandblasted,

THE AMERICAN ARCHITECT of November 10, 1906, in which issue the complete working drawings were published, the four main divisions of the building may be seen. Extending across the entire front is the large public foyer or lobby, which has an area of five thousand square feet. The foyer is designed to be of use as either a ball room or banqueting hall, and has retiring rooms, coat rooms, kitchens, and serving rooms, and other usual accessories. This foyer constitutes one



DETAIL OF BANQUET HALL.

of the four principal divisions of the building, the others being the opera house, the concert hall, and the Institute rooms. Each of these divisions while fully equipped for the use intended have been so designed as to readily serve two or more purposes.

The opera house on the right of the foyer is designed on lines governing the standard American theatre. It consists of a main floor and two balconies, with a seating capacity of twenty-two hundred. A distinguishing feature is the absence of tier boxes so usual in most theatre auditoriums. The sight lines are excellent, the compactness of the seating arrangements is a prominent feature, while the acoustic properties of which we shall speak more at length, are perfect.

The concert hall at the left of the foyer consists of a main floor and one balcony, and seats fourteen hundred. While primarily intended for the execution of chamber music it will also be used as the main lecture hall of the institute.

The Brooklyn Academy seats five thousand people. In point of area covered it is about one-half that of the Metropolitan Opera House in Manhattan, while in seating capacity it is one-third greater, or to be exact, the Metropolitan seats thirty-three hundred. The seating in the Brooklyn Academy is divided as follows: Opera house, 2,200; concert hall, 1,400; banquet hall,

600; lecture halls of the Brooklyn Institute of Arts and Sciences, 400; four small lecture halls 100 each, 400. Total, 5,000.

With a national gallery of arts assured, the completion of this building, containing in the highest sense the principal educational organizations of the Borough of Brooklyn, makes possible the initiative in this country of a National Academy of Music.

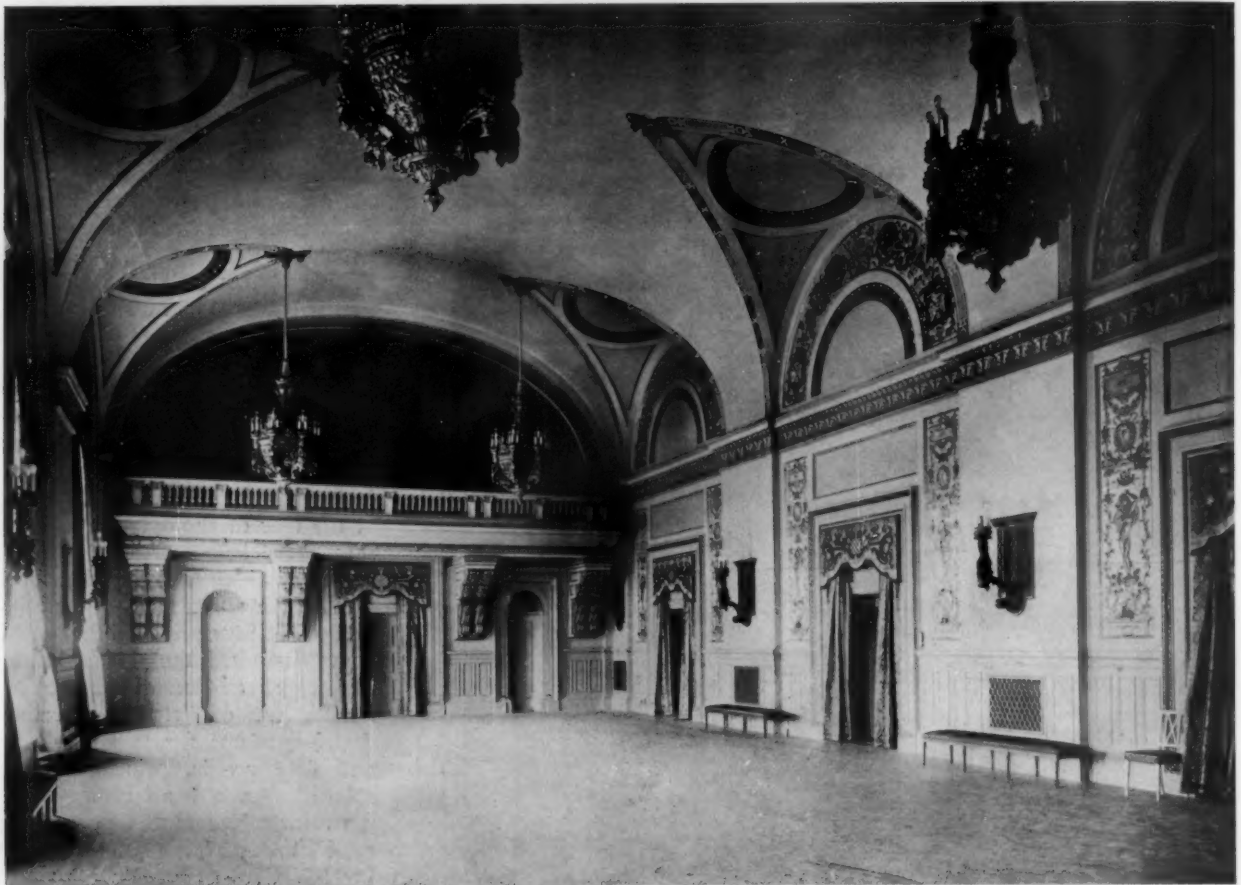
Referring again to the first floor plan, it will be seen that the elevators are centrally grouped between the opera house and the concert hall, thus giving access to the foyer, both auditoriums and the banquet hall. They are balanced at the rear of the opera house by second balcony staircases, giving symmetrical form to the rear portion of the auditorium. In addition to the four principal divisions above described, the plan includes the executive offices of the Brooklyn Institute of Arts and Science, dressing rooms for two hundred and fifty people, principals and subordinates, a band room, with space for rehearsal of seventy-five musicians, and large studio rooms for life classes and for drawing and painting. The mechanical arrangements throughout are of the highest order, and the ventilating and heating systems introduced were pronounced by the visiting members of the A. I. A. apparently perfect in every detail.

The general color scheme of the interior decoration treatment leaves nothing to be desired. Its excellence may be judged from the restfulness of its effect on the beholder. At this present writing the main mural decorations have not yet been placed in position. There is a limitation to human effort, and Mr. William DeLeftwich Dodge, the artist, has not been able to accomplish in the time at his disposal, all the canvases necessary to complete his most excellent scheme of decoration.

To thoroughly appreciate all that has been accomplished in the planning and erection of the Brooklyn Academy by the architects more than one visit is necessary, as here many new problems in this class of structure have been met and successfully solved.

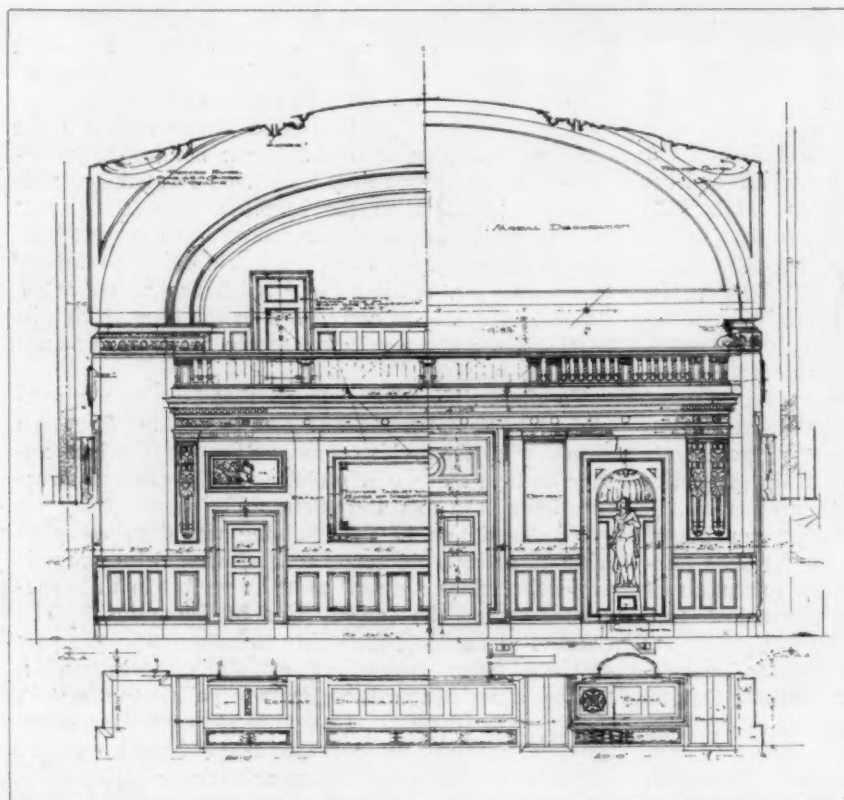
No description of this building would be complete without special reference to the wonderful acoustic properties which are said to be as perfect in their successfulness as the fabled "Ear of Dionysius." The effect is so startling, the ability to hear well in any part of the different auditoriums and halls so remarkable, that we were led to call on Herts & Tallant to ascertain if this result was deliberately achieved or as is so often the case, due to fortunate combination of circumstances.

We were assured that the acoustics of all auditoriums of their planning were equally satisfactory, and that after a close study of this problem, covering a



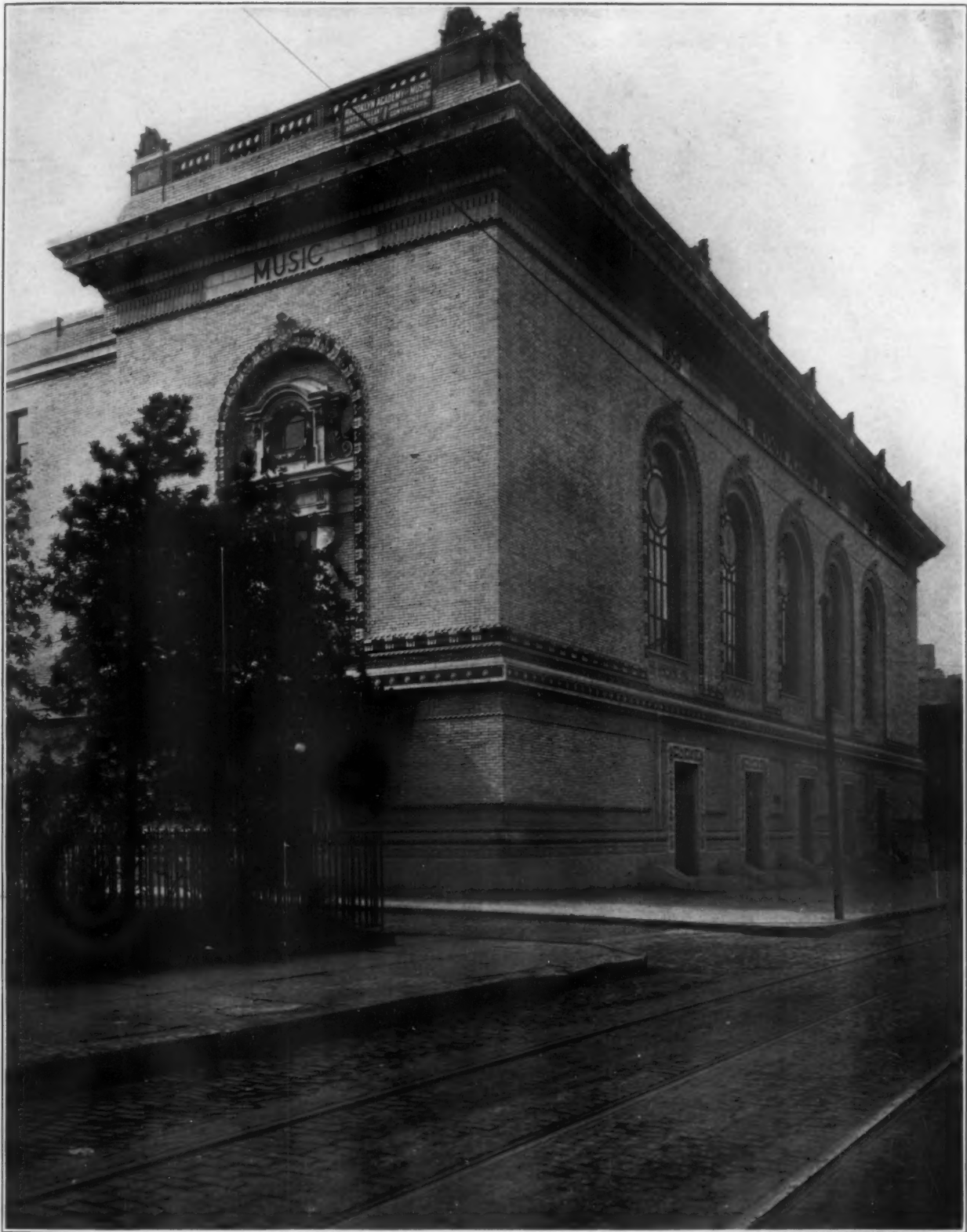
THE BANQUET HALL.

THE BROOKLYN ACADEMY OF MUSIC



END ELEVATIONS, BANQUET HALL.

period of twenty years, they were able and willing to guarantee the perfect acoustic qualities of any building they undertook. The New Amsterdam, Liberty, Gaiety and Lyceum theaters, all built by this firm, possess the same perfect quality of acoustics, while Daly's and Wallack's, remodelled by them, are equally satisfactory. Messrs. Herts & Tallant were engaged by the board of directors of the New German Theater, soon to be opened in this city, as supervising architects. In this case the building was an old structure originally used as a skating rink. They turned it into an auditorium. Here again the acoustic qualities are perfect. In this theater, soon to be illustrated in THE AMERICAN ARCHITECT, the decorative treatment is of the highest order. Messrs. Herts & Tallant directed the work in co-operation with Mr. Alphonse

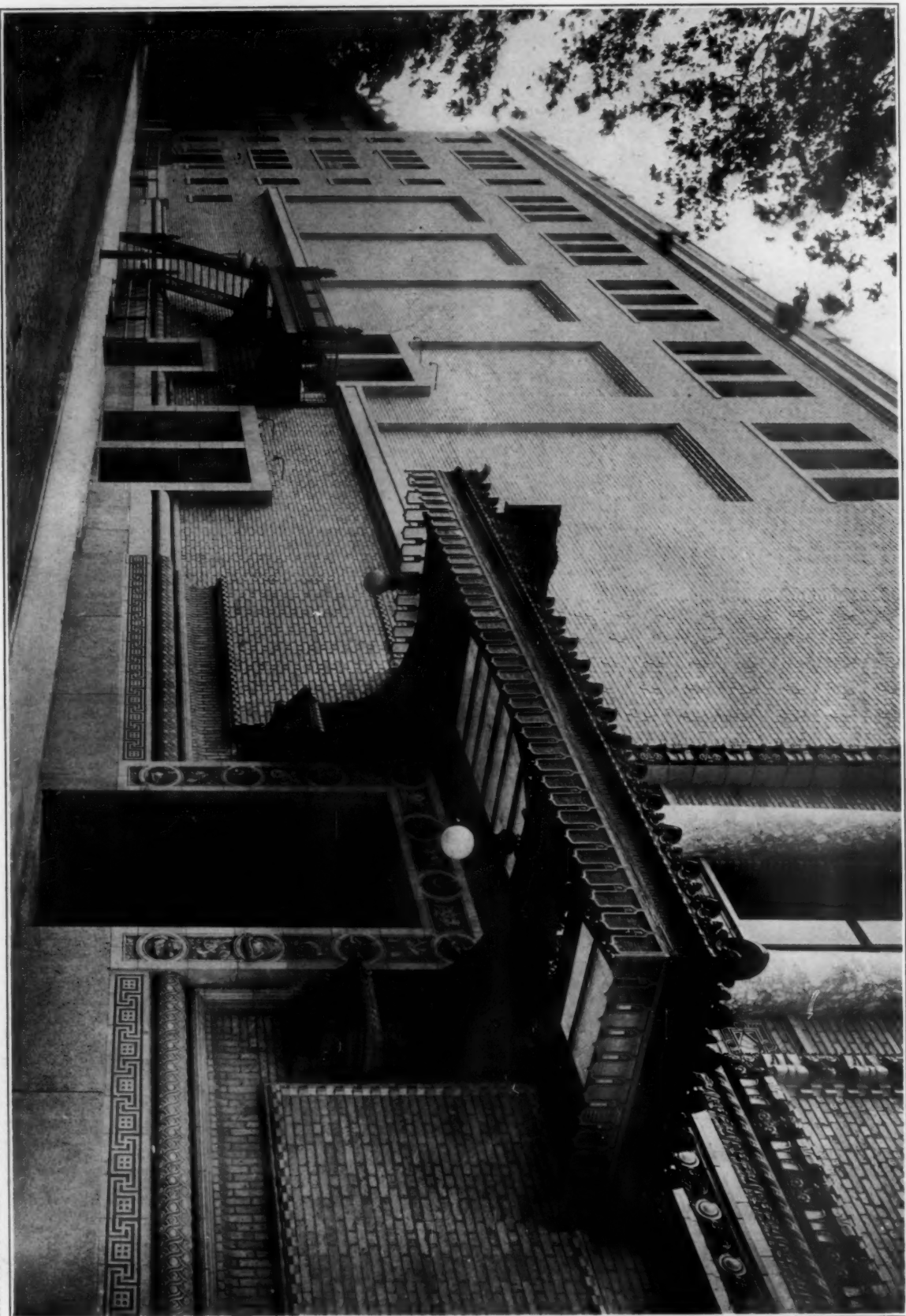


THE BROOKLYN ACADEMY OF
MUSIC, BROOKLYN, N. Y.

VIEW FROM NORTHEAST.

COPYRIGHT, 1908, BY THE SWETLAND PUBLISHING CO.

MESSRS. HERTS & TALLANT,
ARCHITECTS.



THE BROOKLYN ACADEMY OF
MUSIC, BROOKLYN, N. Y.

VIEW LOOKING ALONG ST. FELIX ST.

COPYRIGHT, 1908, BY THE SWEETLAND PUBLISHING CO.
MESSRS. HERTS & TALLANT,
ARCHITECTS.

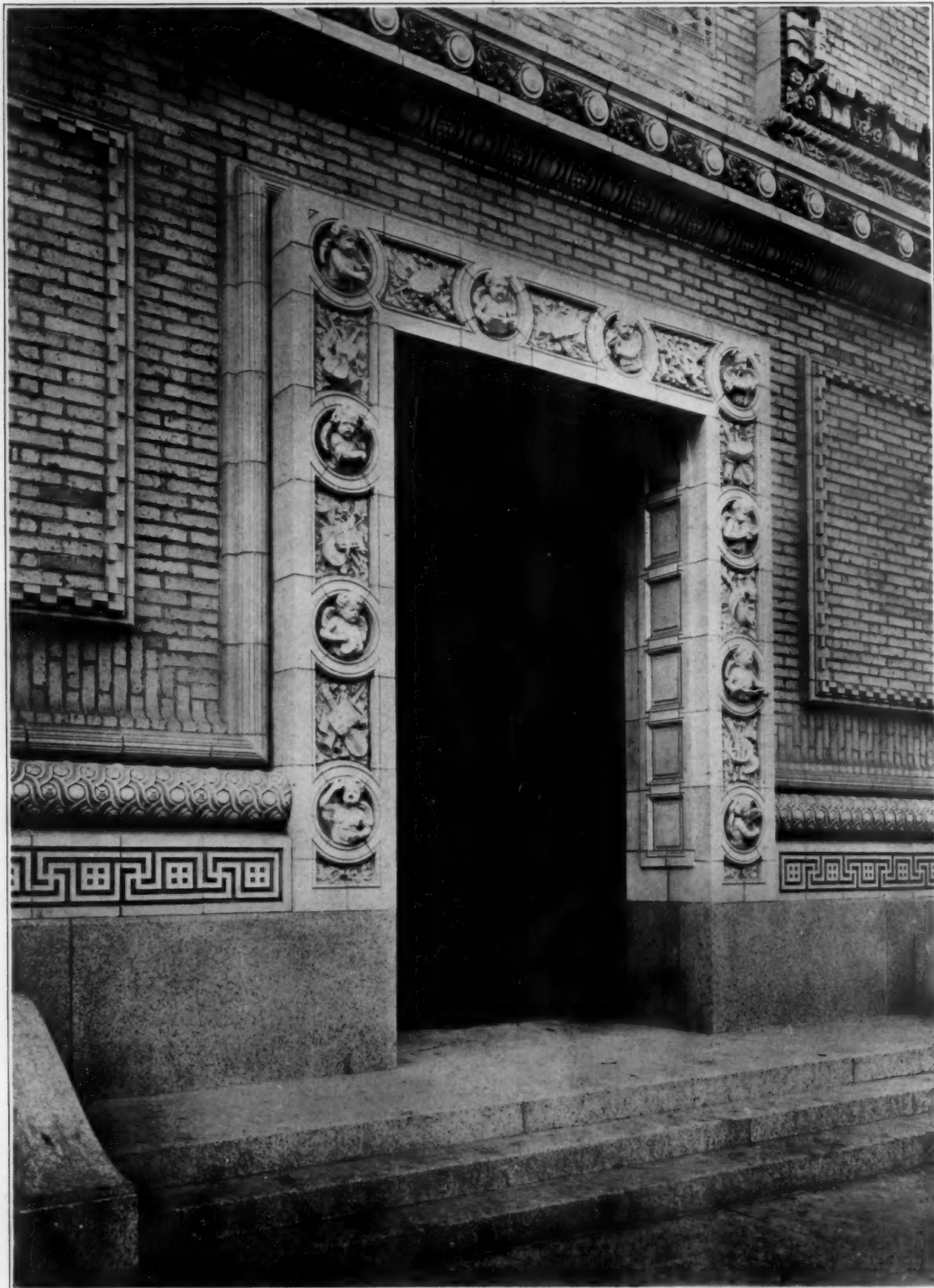


THE BROOKLYN ACADEMY OF
MUSIC, BROOKLYN, N. Y.

ST. FELIX ST. ENTRANCE TO FOYER.

COPYRIGHT, 1908, BY THE SWETLAND PUBLISHING CO.

MESSRS. HERTS & TALLANT,
ARCHITECTS.



THE BROOKLYN ACADEMY OF
MUSIC, BROOKLYN, N. Y.

ENTRANCE DETAIL ON LAFAYETTE AVE.

MESSRS. HERTS & TALLANT,
ARCHITECTS.

COPYRIGHT, 1908, BY THE SWETLAND PUBLISHING CO.



STAGE IN OPERA HOUSE.



STAGE IN CONCERT HALL.

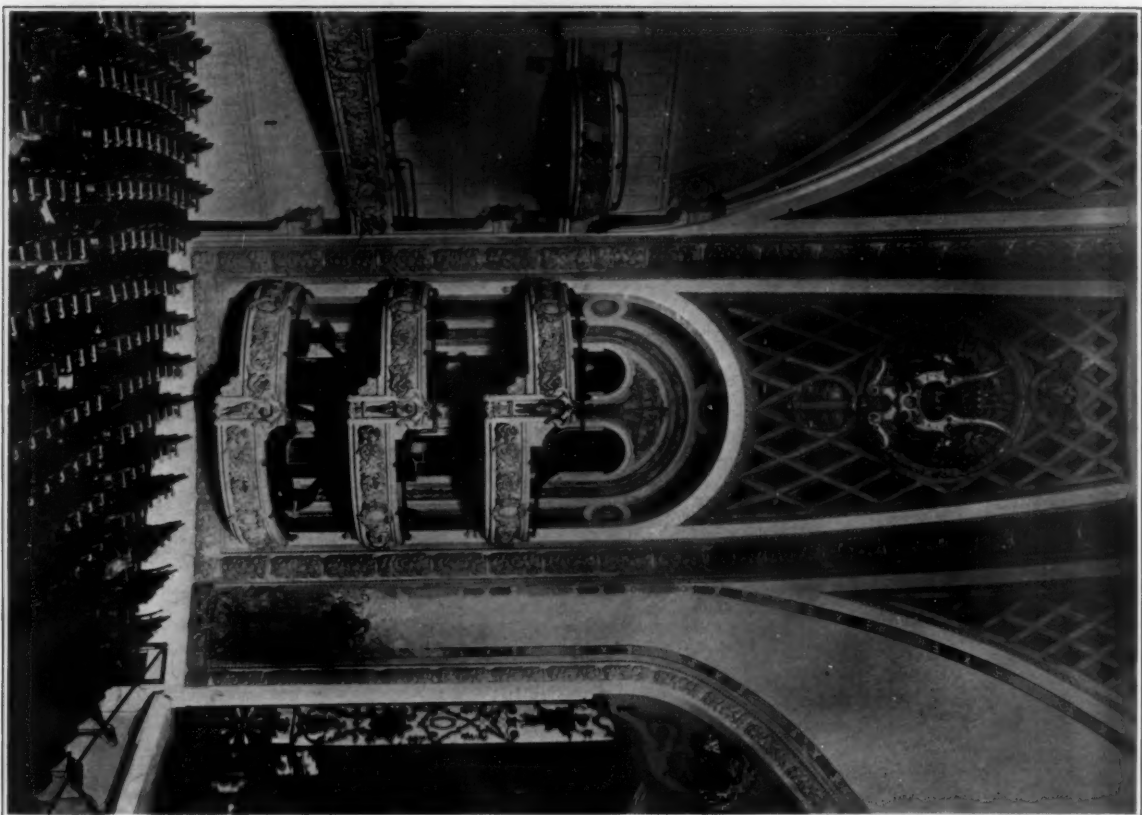
COPYRIGHT, 1908, BY THE SWETLAND PUBLISHING CO

THE BROOKLYN ACADEMY OF
MUSIC, BROOKLYN, N. Y.

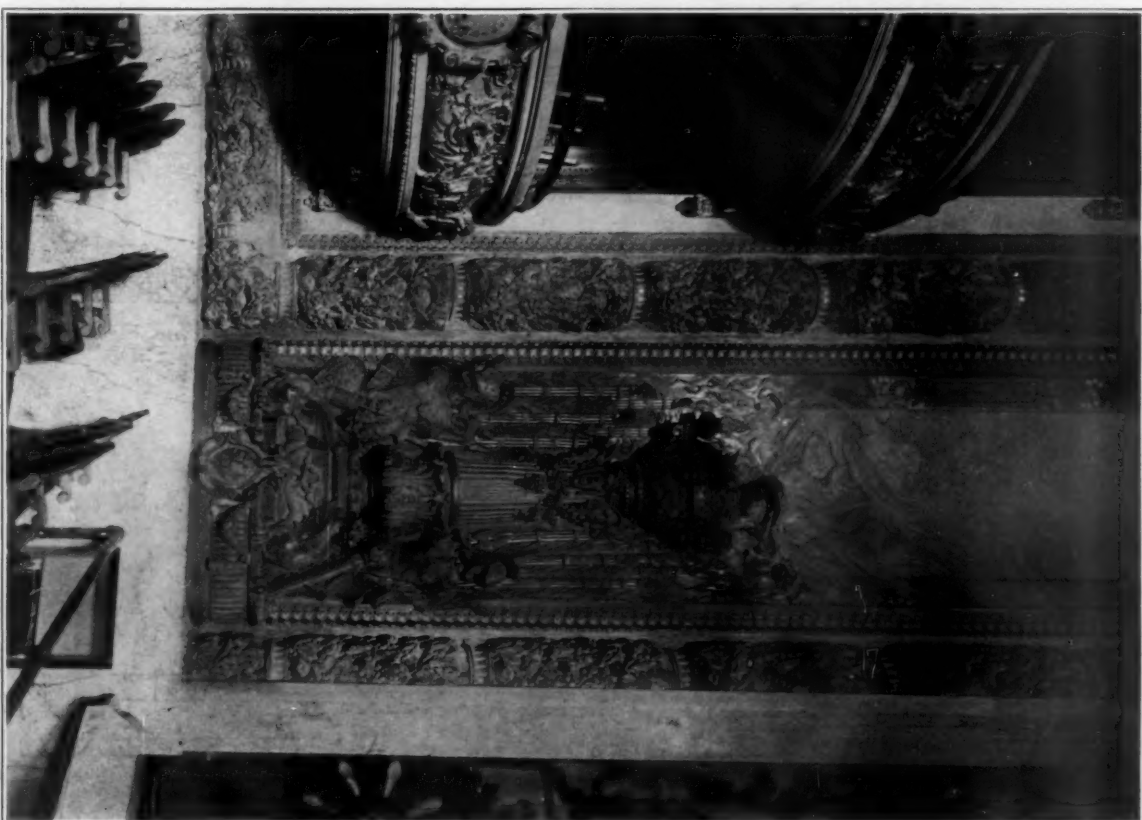
MESSRS. HERTS & TALLANT,
ARCHITECTS.

THE AMERICAN ARCHITECT.

OCTOBER 7, 1908

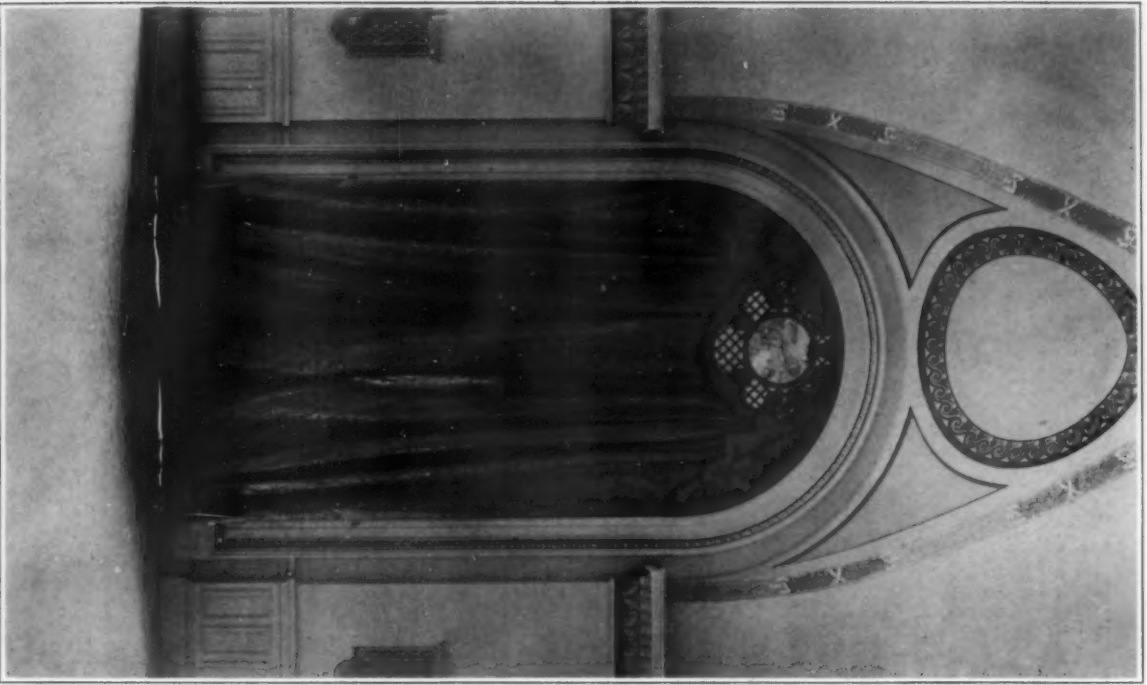


PROSCENIUM BOXES.
THE BROOKLYN ACADEMY OF
MUSIC, BROOKLYN, N. Y.

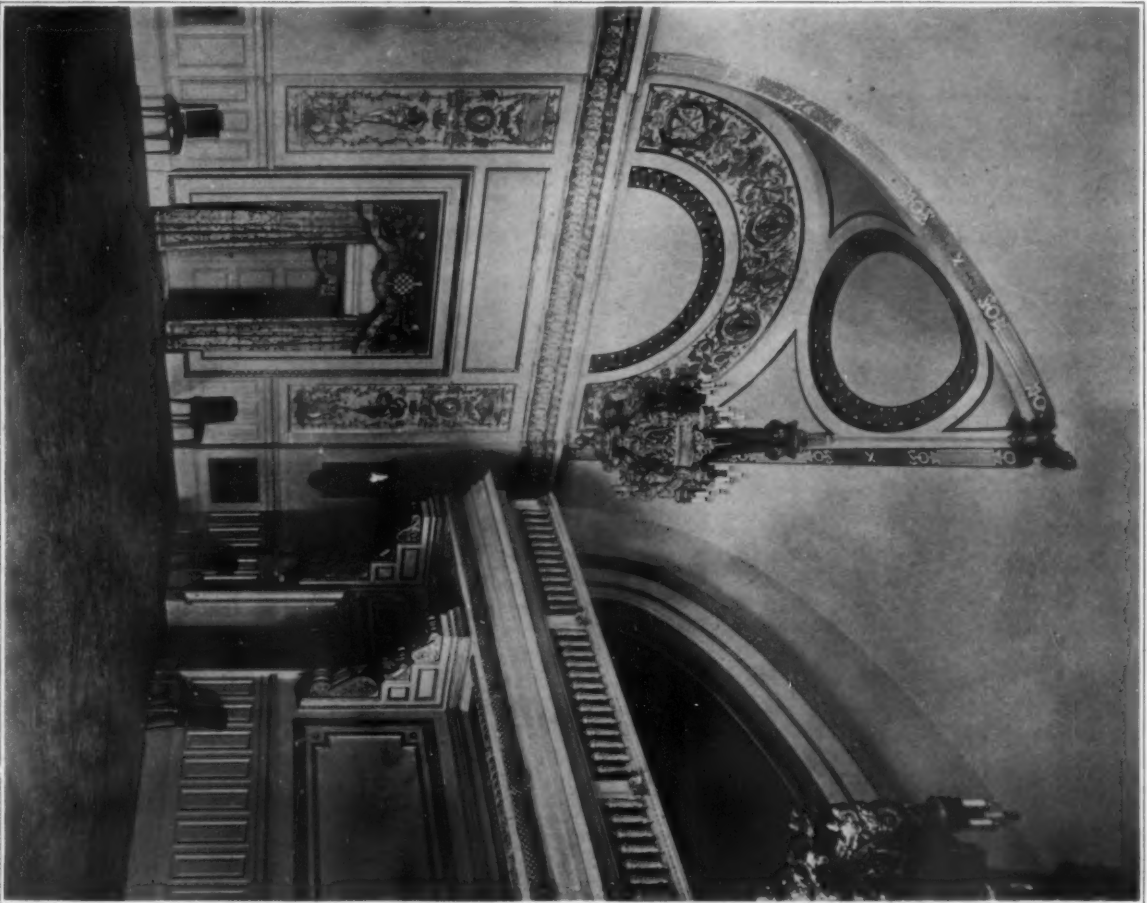


THE OPERA HOUSE.
DETAIL OF PROSCENIUM.

COPYRIGHT, 1908, BY THE SWETLAND PUBLISHING CO.
MESSRS. HERTS & TALLANT,
ARCHITECTS.

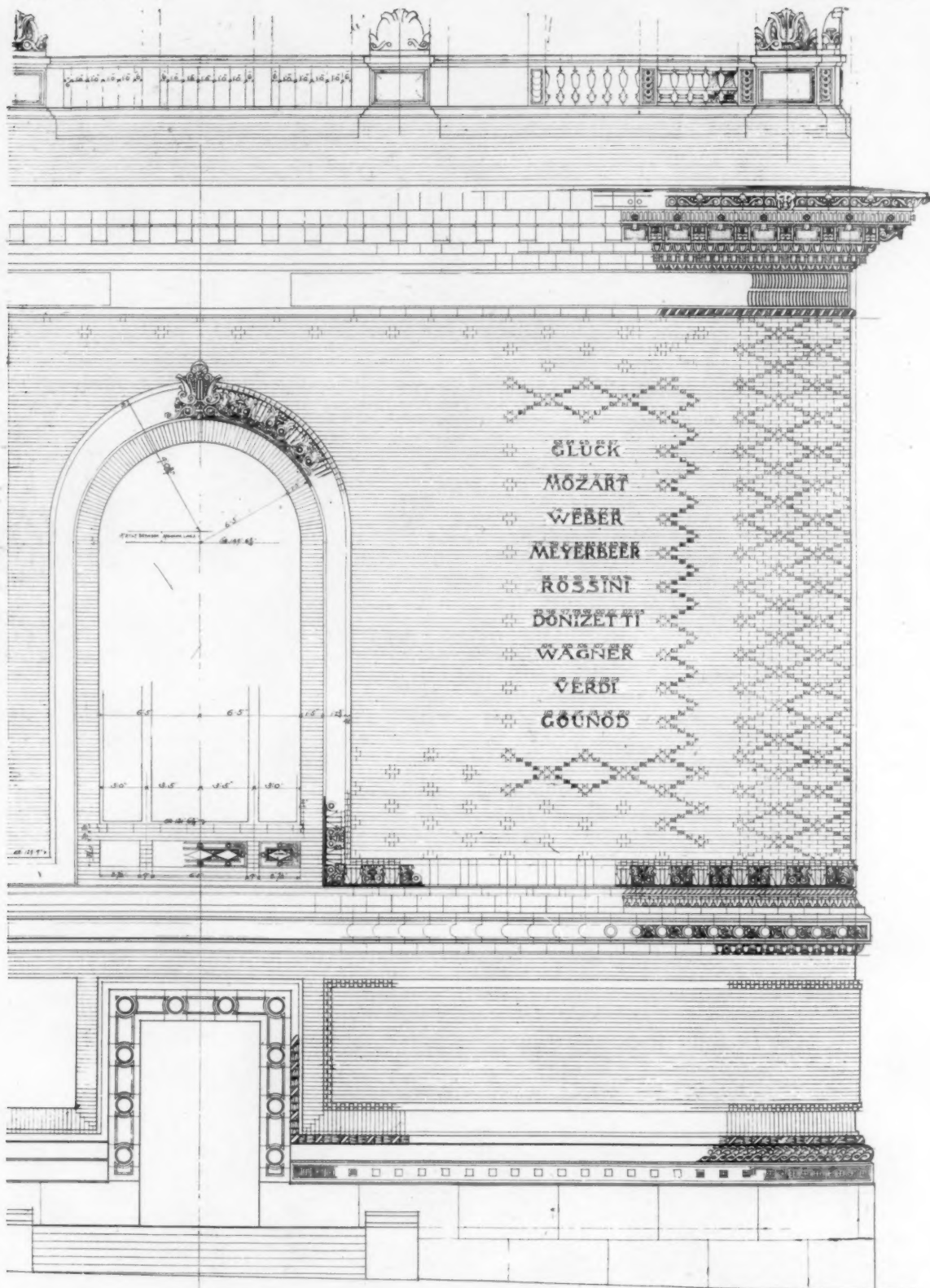


THE BROOKLYN ACADEMY OF
MUSIC, BROOKLYN, N. Y.



DETAILS OF BANQUET HALL.

COPYRIGHT, 1908, BY THE SWETLAND PUBLISHING CO.
MESSRS. HERTS & TALANT,
ARCHITECTS.



THE BROOKLYN ACADEMY OF
 MUSIC, BROOKLYN, N. Y.

DETAIL OF FRONT ELEVATION.

COPYRIGHT, 1908, BY THE SWETLAND PUBLISHING CO.

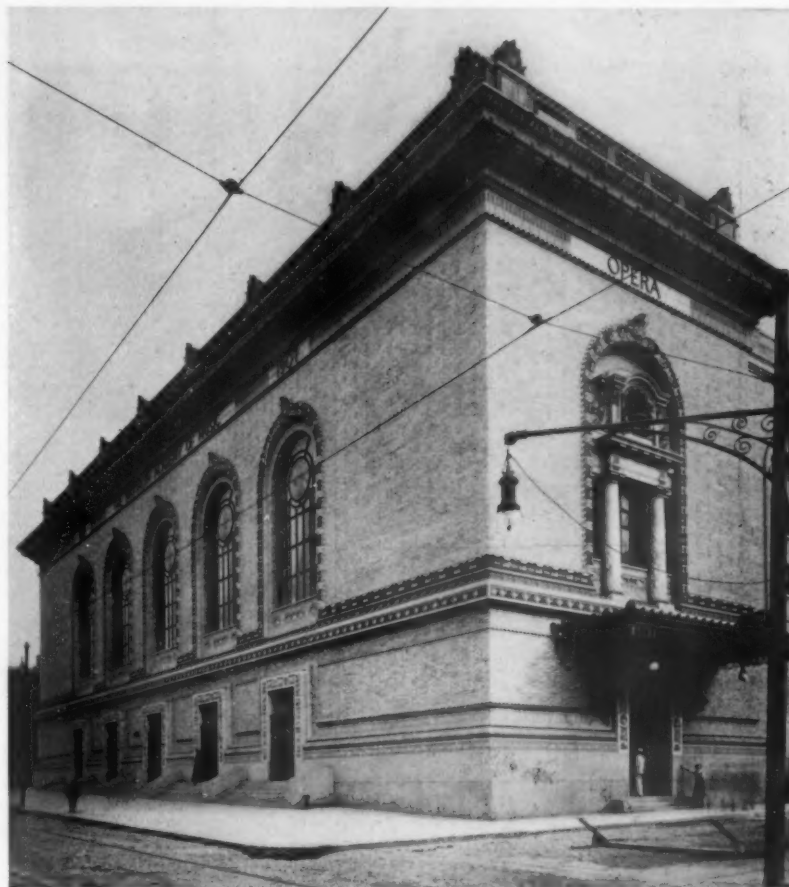
MESSRS. HERTS & TALLANT,
 ARCHITECTS.

Mucha, who visited America for this purpose.

The architects claim no necromancy in the attainment of these satisfactory results. They have only been secured after long and patient study and can be scientifically demonstrated. We are advised that the Brooklyn Chapter on the occasion of their visit made special reference to this most satisfactory condition, and we hope to present to the readers of THE AMERICAN ARCHITECT a series of articles scientifically setting forth much new and valuable data on a subject which is as important as it is baffling.

COLOGNE CATHEDRAL.

It was lately rumored that Cologne Cathedral was in a dangerous condition, and from some of the reports it might be concluded that a catastrophe was impending. An official report on the subject has lately appeared, which states that the mass of the building is sound and that the injuries are mainly confined to the delicate ornamentation. This will be reassuring to Germans, who have long esteemed the building as one of the factors in creating a united Germany. It would be impossible to prevent the weathering of the stone, and after seven centuries of exposure the surface must have become deteriorated. It is, however, possible that the effect of weathering has been increased in modern times, for smoke can be no more innoxious in Cologne



VIEW FROM NORTHWEST.

than in London. The authorities of the cathedral are mindful of the risks, and efforts will be made to ensure safety. The varieties of stone employed are not uniform in resistance to the atmosphere and its dangerous chemical constituents.—*Architect and Contract Reporter*.

A Reinforced Concrete Meteorological Observatory*

There has just been completed on the top of Blue Hill, a few miles from Boston, a reinforced concrete observatory which presents some interesting features aside from its stability. One of the essential elements required in its design was absolute resistance to the entrance of water under the conditions of heavy beating rains at very high velocities.

As designed by George T. Tilden, architect, of Boston, the observatory is of circular section, 17 feet 6 inches inside diameter, 20 feet 6 inches on the outside, and 33 feet high. The walls are of double thickness of 4 inches each, separated by a 10-inch air space, which provides an absolute means of preventing the passage of water.

The contract was awarded to the Aberthaw Construction Company, of Boston, already well experienced in this class of work.

Reinforced concrete was selected on account of its

many advantages, important among these being its unyielding stability, freedom from vibration in high winds, and its water-tight qualities so necessary in a location where wind velocities range up to 80 and even 100 miles per hour. Expectations have been so fully realized that the action of the self-recording instruments has been entirely free from the unknown errors which were caused by the rocking of the old observatory, and there have been no signs whatever of leakage.

The observatory is built on a ledge, the walls being bonded thereto; the floor is slightly raised to provide an air space beneath. A separate 4-inch granolithic finish was put on top of the first floor to provide a smooth tread as well as to prevent any possible access of moisture. The general concrete mixture was 1:2:4.

Steel reinforcement consists of ¼-inch square twisted bars, spaced nine inches on centers, running in directions at right angles to each other, imbedded in the concrete near the surface, and extending into the wall.

*Reprinted by permission of "Cement Age."



BLUE HILL OBSERVATORY,

NEAR BOSTON, MASS.

The second and third floors and the roof are 6 inches thick, reinforced with $\frac{1}{2}$ -inch square twisted rods at right angles to each other and projecting into the wall. Those for the second floor vary in spacing from 12 inches on centers at the circumference to five inches apart at the center. Steel reinforcement for the third floor and roof is practically identical with that of the second floor, but with an added number of bars at each side and at the middle end of the stair openings, and roof scuttle. The reinforcing bars are placed close to the bottom of the floors, while those for preventing cracks close to the wall are placed near the top, being bent up at the wall and hooked over the nearest inside horizontal wall bar. All floors, including the roof, are granolithic finish; the latter is pitched toward the two water ways which connect with the drain pipes.

The inner and outer 4-inch walls are reinforced to the height of the second floor by $\frac{1}{4}$ and $\frac{3}{8}$ -inch twisted bars. Above this $\frac{1}{4}$ -inch bars are used entirely except where the $\frac{3}{8}$ -inch bars are placed for strengthening the flag pole socket. Concrete webs at 3-foot intervals connect the inner and outer walls, reinforced and connected to them by Z-bent $\frac{1}{4}$ -inch bars.

The stairs are of wood with wrought iron railings. The scuttle is provided with a window for observation

in wet weather. The windows are in all cases double sashed and tight fitting. For taking outdoor temperature in winter and for other purposes a sheltered set of instruments is fastened to the sill of the second story window facing the north.

Heating is provided for by a fireplace and grate on the first and second floors. One flue for both is built into the wall on the southeast side. Close to this are two other flues to be used for ventilating purposes. All flues terminate flush with the top of the parapet. Louvre dampers are used for regulating the opening of the ventilating flues.

Upon completion of the observatory many self-recording instruments taken from the old tower were immediately installed so as to make no serious break in the continuous yearly records, and such instruments as could be set up in the adjoining library building were made use of during the process of reconstruction. On the first floor, in addition to three standard mercury barometers, are self-recording daily, weekly and monthly barometers, as well as a self-recording wind velocity meter and a self-recording wind direction meter. The two latter are connected to the anemometer and weather vane by metal rods passing through iron pipes extending through the floors and roof. The rooms on the second floor are to be equip-

ped with steel cases for the keeping of observation records, while the third floor is to be devoted to cloud observations and astronomical work. On the roof are the continuous sunshine recorder, wind vane anemometer and flag pole, the latter for the display of weather signals.

From an architectural point of view the new tower closely approximates the style of its predecessor. The smooth, clean cut concrete work with picked finish brings out the simple but effective design—decidedly appropriate in a structure of this kind—in a much more striking manner than was possible with the old observatory.

Altogether, the observing tower is one of extreme durability, calculated to withstand the severe climatic changes which it is sure to experience. The concrete contractors and engineers are to be congratulated on a most excellent piece of concrete construction.

State Revenues from National Forests

Figures just made public by the Forest Service show that under the new law requiring 25 per cent. of the gross proceeds of national forest business to be paid over to the States and Territories in which the forests

are located, to be used for public schools and roads, the last fiscal year will yield these states \$447,063.79.

The amounts which go to each vary from \$313.68 for Arkansas to over \$75,000 for Montana.

National forest business is chiefly of three kinds, grazing, timber sales, and special uses; the latter comprising the use of lesser resources of the forests and the permits involving the development of water power.—*Building and Industrial News*.

Skyscrapers of Rome

ANCIENT REGULATIONS REGARDING THE HEIGHT OF BUILDINGS

"The skyscraper is no modern invention," says a St. Louis architect well read in the history of his profession. "In all the ancient cities where brick or stone was available high houses within the walls of the city were very numerous because of the lack of ground space for building.

"In the days of Augustus the tenement houses of Rome became so high as to be dangerous, and laws were passed condemning a number of tenement rows and ordering them to be taken down, while at the same time a law was enacted limiting the height of all future tenements to a hundred feet. For palaces and public buildings there was no limit.

"After the burning of the city in Nero's time the streets, which before were no wider than our alleys, were made broader. Some of them through the business part of the city were forty feet wide, and some of the great thoroughfares were sixty.

"The tenement height was lowered to eighty feet, and as a consequence the city spread far beyond its walls. The average height of a ceiling in a Roman tenement was a little over five feet. The windows were open holes in the wall, stopped in cold weather with board shutters. So the worst modern tenement is a palace compared with the skyscraper home of the poor when the empire was at its best."—*St. Louis Globe-Democrat*.

Recent Legal Decisions

THE TASTE OF THE ARCHITECT IS ADVISORY ONLY

The defendant had rented a one-story business building in Kansas City and he desired to remodel the interior and the front of the exterior so as to make of it an attractive restaurant. He employed the plaintiff by verbal contract to prepare drawings, plans and specifications for these changes and improvements and to architecturally superintend their construction. So far as the interior of the building was concerned the drawings and plans were to be such as would "satisfy the peculiar taste and desire of defendant." There was no such stipulation shown as to the character of the plans, etc., for the exterior front of the building, but the evidence showed that several times the defendant objected to certain designs and that the plaintiff changed them. Finally, the defendant objected to copper work in the front of the building and informed the plaintiff that he "wanted an electric sign instead—that he did

not want copper work at all." Plaintiff objected to the change on the ground that it did not suit his taste and that it would destroy the "architectural features"—that it "would destroy everything that was necessary for an architectural effect on the building." The defendant then informed him that the copper work must be omitted or the plaintiff must quit work, and the plaintiff quit, retaining the plans, drawings, etc., which were then in his office, and gathering up and keeping those that were in the building. The plaintiff attempted to recover on a *quantum meruit*, but the Circuit Court and the Court of Appeals held that he could not do so, having without proper excuse quit work in the midst of his contract, and that the taste of the architect is advisory only, while the taste of the employer is controlling. *Stroeh v. McClintock*, 128 Mo. App. 368 (Kansas City Court of Appeals).

BID EXCEEDING ESTIMATED COST

Where an architect was obligated by his contract to prepare plans and specifications for a structure to cost not to exceed \$20,000, and with all the extras not to exceed \$25,000, and the lowest bid under the plans and specifications prepared by him was \$35,000, or \$10,000 in excess of the highest sum the architect had assured his employer the building would cost, he cannot recover upon the contract, nor, if the plans and specifications are returned to him, can he recover upon a *quantum meruit*, since the employer has neither accepted nor received any benefits from his work. The payment of a sum of \$300 on account of the plans was held not to amount to an acceptance of them, this payment having been made before it had been demonstrated by the bids that the plans would not meet the requirements of the contract in the matter of cost of construction.—*Graham v. Bell-Irving*, Supreme Court of Washington, 91 Pacific Reporter, 8.

THE TECHNICAL MEANING OF THE WORD "DRAWINGS"

The word "drawings" applied to plans and specifications does not necessarily mean that the plans are complete, and it may be applied to an incomplete sketch as well as to finished plans.—*Atchison v. McKimmie* (Illinois Supreme Court), 233 Illinois, 106.

ACTUAL COST OF BUILDING MUST BE PROVED WHERE POSSIBLE

Under a contract to pay a firm of architects 3 per cent. on the cost of the building, for which they had prepared plans and specifications, the defendants, their employers, claimed that the cost was \$275,891.45, while the plaintiff claimed it to be more than \$400,000. The court held that as the actual cost of the building was capable of proof it was proper to exclude the evidence of experts, as to what the cost of such a building would be, the statement of one of the plaintiffs before the plans and specifications were drawn of the amount the building would or was to cost, and the statement as to cost in the plans and specifications filed with the building department, all of these being mere estimates of opinions, and the plaintiffs were non-suited.—*Israels v. MacDonald*, New York Supreme Court, Appellate Division, Second Department, 107 New York Supplement, 826.

THE AMERICAN ARCHITECT AND BUILDING NEWS

PUBLISHED EVERY WEDNESDAY BY THE
SWETLAND PUBLISHING COMPANY
231-241 West 39th St., New York

H. M. SWETLAND, *President*. J. T. MORRIS, *Treasurer*. M. J. SWETLAND, *Secretary*
G. E. SLY, *Advertising Manager*
M. C. ROBBINS, *Western Manager*, Monadnock Building, Chicago, Ill.

E. J. ROSENCRANS, *Editor*.
WILLIAM H. CROCKER, *Associate Editor*.

SUBSCRIPTION RATES

Regular Edition . . \$6.00 a year; Single Copies 15c. to \$1.00
International Edition \$16.00 a year; Single Copies 40c. to \$1.00
Foreign Postage \$2.00 a year.

To insure the accuracy of our mailing lists, subscribers are requested to notify us promptly of any change of address, stating at the same time the address to which the paper was formerly sent. Our Subscription Department should also be notified if, for any reason, copies are not received promptly.

Entered at the Post-office, New York, as Second-class Matter.

VOL. XCIV., No. 1711

OCTOBER 7, 1908

CONTENTS

THE BROOKLYN ACADEMY OF MUSIC, BROOKLYN, N. Y.	113
COLOGNE CATHEDRAL.	117
A REINFORCED CONCRETE METEOROLOGICAL OBSERVATORY.	117
STATE REVENUES FROM NATIONAL FORESTS.	119
SKYSCRAPERS OF ROME.	119
RECENT LEGAL DECISIONS.	119
EDITORIAL COMMENT.	120

The Convention of the Architectural League of America.
The Brooklyn Academy of Music; one of the notable exceptions to theatre buildings, which, as a class, are lacking architecturally.

Exceptionally favorable conditions for building now prevalent throughout the East.

Highly satisfactory effect produced by illumination of Singer Building Tower.

ILLUSTRATIONS:

The Brooklyn Academy of Music (8 pages).

Additional:

Stairway approach to Church of St. Trinità de' Monti, Rome.

Stairway, Villa Conti, Frascati, Italy.

THE convention of The Architectural League of America recently held in Detroit, has furnished additional and convincing evidence of the growing interest in, and consequent influence exerted by, architectural organizations. The advantages and benefits to be gained by associations formed to further the interests of the entire profession, by assisting in the better education of young men, by free discussion and interchange of ideas and by promoting good-fellowship in general, are becoming universally recognized. In no way does it appear that these objects and purposes can be better attained than by co-operation between the various bodies representing the profession in America. Unquestionably, too, the time for closer affiliation and co-operation in the educational work, at least of these societies, has arrived, and we esteem of particular value and importance therefore the action of the convention, looking toward the establishment of closer relations and harmony of action, where there obviously exists unity of purpose. We shall look forward with much interest to the fuller development of the plan adopted.

WHILE probably very few buildings are completed entirely in accordance with the conception and design of the architects who plan them it would seem that theaters and playhouses have been particularly un-

fortunate in this country in being owned, leased, managed or controlled by persons whose propensities for suggesting, even to the point of dictating, to the architect, to whom the preparation of plans has nominally been entrusted, are lamentably pronounced. As a consequence of this quality not ordinarily having been co-existent with any discernable artistic knowledge or appreciation, or technical ability, our theaters have generally been deplorably lacking in architectural merit. There have been notable exceptions, of course, especially in recent years, but as a class they are still woefully deficient. One of the latest exceptions to the general rule and possibly the most gratifying is the Brooklyn Academy of Music, which we are permitted to illustrate in this issue. Here one feels the architect has been allowed a considerable degree of freedom, and it would seem that the admirable results might reasonably justify and even tempt other theater builders to accord some weight to the designs and opinions of a mere architect.

A MAJORITY of architects and those engaged in building trades would undoubtedly join in the opinion that business has not been particularly active during the past year, although there have been many notable operations undertaken in New York and still more projected. It is inconceivable, however, that the present advantageous conditions for the improvement of property can long be ignored or regarded with indifference by investors. There has not been a time in recent years when building could be done as economically as at present, and it is doubtful if the opportunities now presented will be equalled for years to come, if ever. Anyone with property to improve, or anyone whose plans for the next decade include the erection of a building, or any structure whatever, can scarcely afford to defer immediate action. Prices of materials are lower than in years. Deliveries are prompt. Labor is abundant and unusually efficient. Contractors are undertaking work without consideration of profit in many instances in order to preserve their organizations. Money is plentiful and comparatively cheap. In fact, considering all features of the problem we are forced to the inevitable conclusion that if ever building can be profitably undertaken in New York now is the appointed time.

JUST at this time when the subject of illumination is prominently before us, due perhaps in part to the agitation of those who in answer to a demand, real or imaginary, have adopted this branch of engineering as their vocation, an instance in which exceptionally satisfactory results in lighting have been obtained, becomes of especial interest. Such an instance is shown in the exterior illumination of the Singer Tower in this city. It is all very well to give attention to discourses on a subject—explanations and advice are often interesting and sometimes valuable—but the careful study of a successful example generally results in more real benefits. Much has been written on the beautiful effects secured in the illumination of the grounds and buildings at the various expositions held in this country, but the effect of the illuminated Singer Tower as viewed from the river or bay on clear moonless nights is immeasurably more pleasing than any similar spectacle it has been our good fortune to observe. We commend it to the particular attention of those engaged in work requiring the solution of illumination problems.

Annual Convention of the Architectural League of America

Held at Detroit, Mich., September 17, 18, 19, 1908

(Continued)

THE second session of the Convention, held September 18, 1908, was called to order at 9 o'clock A. M.

After preliminary business and reports of committees, Mr. Wells announced the presence of Mr. J. M. Donaldson, Vice-President of the American Institute of Architects. Mr. Donaldson addressed the convention as follows:

"I come in behalf of the American Institute's president, and at his request to confer with the committee, or preferably with the body of the League, respecting closer affiliation between the Institute and the League and sister organizations that should logically and properly work together. I am totally without knowledge as to detail as to what may have been done in the past respecting this particular matter, and I would be glad to hear from Mr. Newhall, I believe, the chairman of the committee, and also to receive, if possible, the expression of the League regarding the question under consideration."

Mr. Newhall: "The Institute has a standing committee that has had under consideration the question of bringing into communication the different bodies representing the Architectural field of America. The committee has written to all known bodies, societies and clubs throughout the country, and we have had favorable answers in which they have stated they would be in favor of closer union, and I should have had here the papers covering that ground, but those societies, covering the whole country, that is, architectural clubs or societies not affiliated with any other organization, have showed a willingness to co-operate with the Institute in any way that would promote the work in hand. The questions that went out finally were as to covering the general club, as to whether the clubs would welcome closer union or co-operation with the A. I. A., and, of course, the Institute has felt that in the League there was an organization which if rightly directed really represented and should represent the bodies that we come in contact with. The prime object of this was to see if we could not, by undertaking things the League could not do, and that the Institute should do, or the Beaux Arts Society could or should do, if we could not in some way thus promote the interests of Architecture throughout the country. I myself had a scheme which looked toward the forming of a general committee which should represent the Institute and the League and the Beaux Arts that would have the general direction of the work of the education of the young men throughout the country, and I feel that in this matter the League should be advised by the Institute, and it would be wise if the League would appoint two or three gentlemen to meet the committee established by the Institute, and these gentlemen meet a representative or two of the Beaux Arts Society, and that the three bodies might thus get together. I would therefore move, Mr. Chairman, that the League appoint a committee of two to get in touch with the Institute looking toward a conference with the Institute and the Beaux Arts Society for the furtherance of general education."

Mr. Hynes: "We feel that the time for co-operation has arrived. I would like to put the motion in better shape by asking that the Institute, the Beaux Arts Society and the League appoint two members each to meet in some central city, say, for instance, Buffalo, within thirty days, and there confer together and send out a general report to each of their general bodies, and in that way it might work better than it could otherwise."

Mr. Lorch: "I wish to go on record as recording my support to it."

Mr. Wells: "It would be well to suggest that our motion be to the effect that we appoint a committee to confer with the committees appointed by these other bodies. It seems to me that what this motion looks for is simply a closer affiliation between these three bodies. The motion, as it stands amended, is to the effect that we appoint a committee of two to confer with the committees of the Beaux Arts Society and the committee of the Institute at Buffalo within thirty days."

Mr. Henry Hornbostel: "I know the sentiment of the Beaux Arts Society very well; they are always about the same, they never change, and I know if you gentlemen appoint a committee to confer or ask the Beaux Arts Society to confer with you and the Institute they would be only too glad to do it, because their aim is the same as all societies, to help the young. The Society naturally started this thing and carried it on to this point and they have had some success, and this success is caused principally by the activity of its members and their sacrifices; they have refrained from entering any other field and have been accused of a certain amount of exclusiveness, but that is not so. They live to enjoy themselves and do so in educating the young and in having a dinner once in a while, and they would be only too glad to have a committee appointed to confer with them; they have no axe to grind, but simply wish to see their little scheme of education succeed, and they would heartily greet anything that would produce the end at which they are aiming no matter in what form you do it. You really are all aiming at the same thing. The young man is the one you want to give the chance to, for he is the material that makes the societies of the future, and if you do not help him you are at a loss."

The third and closing session of the convention was called to order at 9 o'clock A. M.

Reports of special committees were presented and read. Mr. Wells, referring to the report of the Committee on Education, stated:

"As chairman of the educational committee I would like to state the attitude of the committee toward the question. This committee felt the Atelier system was an excellent one for the teaching of design, but perhaps we did not make it explicit enough when we did not say that no draftsman's education was complete without good schooling and while we do not say that, while we do not say he should go to the university or the school and become a graduate, we understood that and

intended that it should be expected that a good education was the first requisite. As chairman of that committee I would be very glad to recommend a motion to amend it."

Mr. Lorch: "I move that it be so amended." Seconded and carried.

Motion was then made that a committee of three be appointed to amend the "Report of the Committee on Education." Carried.

Chairman then appointed Messrs. Lorch, Newhall and Dunning to make the amendment.

By a unanimous vote Mr. Frank C. Baldwin was duly elected and declared President of the Architectural League of America. It was decided to hold the next convention of the League at Boston, Mass.

A vote of thanks was extended to Mr. Wells, the presiding officer, and to Mr. Von Holst, the secretary of the convention.

On motion the convention adjourned.

REPORTS OF COMMITTEES

REPORT OF THE COMMITTEE OF THE WHOLE TO APPOINT A COMMITTEE TO CONFER WITH A. I. A. AND THE SOCIETY OF BEAUX ARTS ARCHITECTS

The committee recommends that the resolution passed by the Committee of the Whole to appoint a committee to confer with the American Institute of Architects and the Society of Beaux Arts Architects, with the view of obtaining closer affiliation and co-operation in the education work of these societies be confirmed by this convention. We suggest that the following be appointed on this committee:

Mr. Max N. Dunning, Chicago; Mr. F. C. Baldwin, Detroit; Mr. J. P. Hynes, Toronto. We would recommend that the time and place of meeting of this committee with the committees above referred to be left to their discretion.

REPORT EDUCATIONAL COMMITTEE

Early in the year the committee met at Urbana, Ill., and decided to send out a letter embodying the following questions:

1. Do you think it practicable to arrange the work of the office so that draftsmen who wish to do so may spend a certain number of days of each month in pursuit of a definite course of architectural studies?

2. What, in your opinion, would be the best method of organizing courses of study to meet the requirements of the men whose time is largely occupied with office work?

3. If such courses could be organized what branches of study would best supplement office work to give a well-rounded training for the practice of architecture?

4. Do you approve of the "Atelier" system, and would you be willing to co-operate with Architectural Club in your city or vicinity (a) in giving instruction to classes they may organize, or (b) in giving financial aid toward the equipment of an Atelier for the study of architectural design and kindred subjects?

5. If the plan of establishing "Ateliers," or classes, in connection with the Architectural clubs of the League proves desirable and practicable, do you think that periodical competitions organized by the League, possibly in conjunction with the A. I. A., in a manner similar to the Society of Beaux Arts Architects, might accomplish

any result not already accomplished by that society toward the development of native taste in architectural forms and decorations?

Summary.—In taking up the questions in detail we find:

1. There is a strong trend of opinion against the practicability of allowing draftsmen to take time out of regular office hours for the purpose of study.

2. It is the opinion of a large majority that such study must be pursued outside of office hours; also, that such study can never compensate for the lack of regular school training.

3. There is a strong feeling in the profession that those men having the natural gifts of will and talent, which are worth cultivating, will overcome the difficulties standing in the way of educational training.

It is also evident from replies received that general culture is considered as a first essential to the educational equipment of the architect and that those special branches of knowledge essential to successful practice of the art may be included under three heads, Historical, Theoretical and Technical.

4. It is shown that more than 75 per cent. of the replies favor the "Atelier" system as at present organized by the Beaux Arts Society.

These significant facts appear, however: The "Atelier" system pre-supposes a goodly degree of educational training and is best adapted to aid in the development of skill in artistic designing among draftsmen who have already acquired what the schools can give.

5. It would seem from the replies received that competitions are considered as a valuable stimulant and aid to progress and that there is a large body of draftsmen throughout the country to whom the advantages of the Beaux Arts Competitions are not available because of inadequate preparation or insularity of location. There is a division of opinion as to the advisability of organizing new or independent competitions by the League. In any case, such competition must necessarily appeal to a lower grade of talent and preparation than do the competitions of the Beaux Arts Society.

By the Chairman of the Committee: "Adoption of report as read recommended.

"We also urge the carrying out of the suggestions made for attaining a higher standard of education, subject to the action of the special Committee on Education. These recommendations are as follows:

"That the clubs put their energy on the stimulating of an enthusiastic activity among its members, which will banish from the club rooms the commercial spirit and establish a closer relationship between the older and younger members of the club.

"That this can best be accomplished by the "Atelier" system of working, in which the older men give their time and energy to teaching the younger men by criticism or working shoulder to shoulder with them.

"Your committee believes that the education of draughtsmen should include a thorough training in design and in historical and technical knowledge, and to this end establish club 'Ateliers' and maintain and require attendance upon classes in construction, history of architecture, and free-hand drawing from cast and life."

REPORT OF COMMITTEE ON UNIVERSITY FELLOWSHIP

Scholarships to be awarded consisted of three at Harvard, two "specials" and one "regular," for one year,

with possibility of second year, and one "regular" at Washington University at St. Louis. No arrangements made by the outgoing board for awarding these, because it was suggested to committee that a special committee was to be appointed at 1907 convention.

As prompt action was necessary arrangements were made with President Newhall, of the Boston Architectural Club, to hold special competitions under auspices of that club in Boston. Two men were thus selected for the "special" scholarships, no candidates appearing for the "regular" one.

Washington University scholarship was being held by Mr. Anton Jenson, of St. Louis, and his record being excellent he was recommended for reappointment for the year 1907-8, thus enabling him to graduate this Summer.

Regarding Harvard scholarships of 1908-9 announcements were sent out February 18, and copies sent to the journals of Canada and United States and to the clubs of the League. Twenty-seven applications were received for scholarships and on May 2, eighteen men took part in the competition, drawings being sent to Cambridge for judgment. Jury consisted of Mr. Cram, representing the League and the staff of the Department of Architecture at Harvard University. Successful competitors were Messrs. Larson and Fox, of Boston; Mr. Edward L. Gahl, of St. Louis, being a close third. On account of Mr. Gahl's excellent showing Professor Warren suggested that in the event of no applications for the "regular" scholarship it could, with the League's consent, probably award this to Mr. Gahl, and your committee has so recommended.

The committee feels that not enough interest has been shown in the regular scholarships, though they are of far greater value than the specials, and few applications have been thus far made for them.

The entertainment provided by the Detroit Architectural Club was much appreciated by visiting members of the convention. Automobile rides, special excursions to points of interest, and other forms of relaxation were offered and afforded an opportunity to thoroughly enjoy the time not spent at the meetings.

A number of large firms extended invitations to visit their plants and inspect various processes of manufacture of interest to the visiting architects.

Messrs. Berry Bros. provided an excursion by specially chartered boat up the Detroit River and through Lake St. Claire, consuming an entire afternoon.

During one of the many automobile rides about the city and suburbs a stop was made at the Pewabic Pottery, conducted by Mary Chase Perry, to inspect the decorative product of this pottery along architectural lines.

The banquet held at the Country Club, Detroit, on the evening of Thursday, September 17, was a successful and thoroughly enjoyable occasion. Mr. Grylls, president of the Michigan Chapter, Architectural League of America, acted as toastmaster.

The evening was spent in listening to addresses by Mr. Baldwin, Mr. Hornbostel, Mr. Newhall and Mr. Pond.

The informality of these remarks and the spirit of goodfellowship that prevailed enabled every one present to enjoy in the fullest degree this not the least important part of the entertainment furnished during the three days of this dignified and successfully conducted convention.

Industrial Information

A NEW WATER PROOFING MATERIAL

The remarkable development in the uses of concrete during recent years has served to demonstrate or emphasize some deficiencies of the material, as well as the numerous and undeniable advantages which it possesses. One of the difficulties encountered in the attempts that have been made looking toward almost universal use of concrete is due to the essentially porous nature of the mixture in spite of the greatest care that can be exercised in both preparation and use. Obviously the uses to which concrete readily lends itself would be greatly increased in number if it could be made water-proof when desired, and therefore it is not surprising that the matter has been given much thought and study by chemists and others. As a result a number of compounds have been placed upon the market, backed by a variety of claims made by their respective manufacturers. Among the latest of these is "Anhydrol," manufactured and sold by The North Jersey Paint Co., Room 922, St. James Building, Broadway and Twenty-sixth Street, New York City. It is told that the discovery and manufacture of "Anhydrol" resulted directly from Mr. Thomas A. Edison's study and research in connection with his plan for erecting "all concrete" houses for workmen. While the material is essentially in the form of a water-proof paint it is claimed that it does more than to merely coat the surface. It penetrates for some distance into the mass, effectually plugging up and stopping the pores. It would seem well worth while for anyone interested in concrete construction to investigate fully the nature, quality and cost of this new water-proofing compound. Pamphlets and complete information will be mailed or furnished on application.

AN ATTRACTIVE SOUVENIR

While the idea of calling attention to either workmanship or general character of a product by means of useful articles distributed in the form of souvenirs is not new, it is seldom that they make as artistic and altogether pleasing appearance as the bronze paper cutter which has been issued recently by Messrs. Russell & Erwin, of New Britain, Conn. The artistic character of hardware manufactured by this company has long been recognized, and this useful and appropriate souvenir will doubtless serve as a timely and permanent reminder, where circulars or literature would receive scant and momentary attention. We are advised that they have been prepared for free distribution among architects.

The Mittineague Paper Company, of Mittineague, Miss., write us as follows:

"We have been advised recently by another manufacturer that the word 'Kid' finish has been copyrighted, and as they object to our using the same we have decided to call what was formerly known as our 'Kid' finish 'VELLUM' finish, and it will be known as such in the future. There will be no change in the finish and we trust there will be no inconvenience caused you by the change."

PERSONAL

Alfred H. Taylor, architect, announces the removal of his offices to 138 W. 65th street, New York.

Building News

MASSACHUSETTS

BOSTON.—J. E. Barlow & Company will erect a series of apartment houses on a site selected.

I. W. Cole, of Rochelle, N. Y., has purchased a site here and will improve it in the near future.

Mrs. Caroline I. Hill has purchased a site and will shortly erect two handsome dwelling houses.

BROOKLINE.—Brainerd & Leeds, of Boston, are the architects for the four-apartment house to be erected in Brookline. It will cost \$15,000.

LAWRENCE.—Hartwell, Richardson & Driver, of Boston, are the architects for the proposed new engine house to be erected at a cost of \$20,000. Contract will shortly be awarded.

LOWELL.—Stickney, Austin & Rourke, architects, have drawn plans for a new Branch Street Church.

LYNN.—Designs for the West Lynn School Building will be received by the Board of Education on or before October 28.

MEDFORD.—A new school is soon to be erected on George street to be known as the Lorin L. Dame School, after plans prepared by Charles B. Dunham, of 6 Beacon street, Boston.

NORTHAMPTON.—Architect G. William Bailey is reported as having been selected to prepare the plans for the new Arcade Business Block to be erected on the Knowlton property, Pleasant Street. William La Fleur is interested.

PLYMOUTH.—A site for the new town hall has been recommended. \$90,000 will be used in the erection of a building.

SPRINGFIELD.—The Trustees of the International Y. M. C. A. Training School are said to have under consideration the raising of \$300,000 to be used toward the erection of new additions to the present structure.

CONNECTICUT

BRIDGEPORT.—Estimates are being taken for a three-story brick building to be erected for W. H. A. Horsfall, of New York City. The ground floor will be occupied as a sub-station post office and the upper arranged for tenements. Plans have been selected for the structure to cost \$25,000.

From the daily press we understand that the plans for the additions to be made to the St. Vincent's Hospital have been completed. Estimated expenditure, \$50,000.

OAKVILLE.—A new school building will soon be erected by the citizens here. A site has been selected and plans are under consideration.

NEW YORK

BRIARCLIFF.—Guy King, architect, of Philadelphia, is preparing plans for the first airship garage, to be erected at Briarcliff Lodge. It will cost nearly \$100,000.

CANANDAIGUA.—James T. Low, representing the United States Treasury Department, has selected a site for the proposed new post office building.

GOSHEN.—Plans have been prepared by Holt & Weidmeyer, New York City, architects, for the erection of a three-story and basement hotel.

NEW YORK CITY.—Henry Scheff has purchased a site for a proposed new twelve-story fireproof elevator apartment.

Plans are under way for an imposing structure to be erected by Thomas R. Ball, of Best & Company, on a site recently purchased. \$2,000,000 will be invested.

Raymond F. Almirall, architect, filed plans for the new tuberculosis hospital to be erected by the city on Blackwell's Island. It will be 291 ft. long and four stories high. The cost is to be \$250,000.

Sterling Bros.' Building Company has purchased a site and will improve it with a six-story apartment house. The company is capitalized at \$100,000.

Wm. H. Day, architect, has prepared plans for a unique building, natatorium included, to be erected by a syndicate organized by Fred. M. Blake.

NEW YORK CITY.—A syndicate, organized by Felix Ismon, of Philadelphia, will select a site and erect a large mercantile structure here.

Architects Schwartz & Gross and B. N. Marcus have filed plans for a twelve-story hotel; cost, \$450,000; to be erected for G. E. Coleman.

Bernstein & Bernstein are the architects for the four-story flats to be erected at a cost of \$15,000.

ROCHESTER.—The Gleason Cold Storage Company will remodel their plant, destroyed by fire. \$30,000 will be expended.

H. B. Graves Company has selected a site and will erect a five-story reinforced concrete building, to be used as a furnishing store, at a cost of \$18,000.

A site has been selected for the new school building to be erected for the Nineteenth and Twentieth Wards, by Council.

The plans of Architect C. F. Crandall have been selected for the new additions to the county jail. About \$41,000 will be expended.

ROME.—A new school, to cost \$42,000, is to be erected on the present site of the Liberty Street school. Plans have not been selected.

SCHENECTADY.—Bids will be opened the first of November for the erection of the proposed new County Building. Work will be rushed as soon as the contractor is determined.

Sapphire Lodge, No. 768, F. & A. M., of Camellius, has purchased a site and will erect a building in the near future.

Revels & Hollenbeck are the architects for the new modern house, cost \$10,000, to be erected for Professor Adolf Frey.

WOODBURY.—Plans are prepared for a \$50,000 Terminal Station to be erected by the Erie Railroad at Woodbury, near Newburg.

NEW JERSEY

BAYONNE.—The sum of \$265,000 in bonds has been appropriated by Council for the construction and furnishing of a new high school.

GARFIELD.—One of the largest textile and spinning plants in the world will be erected at Garfield, near Passaic. Forstmann & Hoffmann Company, of Passaic, and three other German companies will expend between \$1,000,000 and \$2,000,000 on the building.

HARRISON.—A handsome clubhouse will be erected by the Passaic River Club, of Harrison, very soon, on a site selected.

HADDONFIELD.—Bids will be received until Oct. 23 "For the Remodeling and Restoration of the Old Tavern House." Brockie & Hastings, of Philadelphia, are the architects. Address bids to E. T. Gill.

HUDSON CITY.—Gustav Wuzenski has filed plans for the erection of a four-story apartment house, to cost about \$10,000, in this part of Jersey City.

JERSEY CITY.—A company has been formed to erect a three-story brick family hotel. A site on Sip Avenue has been selected. New York and New Jersey capitalists are interested. \$200,000 in school bonds will be issued soon for the erection of the proposed new school.

MARION.—The Davis-Bournonville Acetylene Development Company, of New York, has purchased a site in this town and will erect immediately a large factory building.

ORANGE.—St. Mary's Hospital is soon to erect a six-story extension to the present building that will cost about \$60,000. Improvements costing \$140,000 are also to be made.

PATERSON.—A Malta Temple, three stories, to cost about \$25,000, will be erected by the local Knights of Malta. An architect will be selected immediately.

PRINCETON.—Plans are being prepared by Frank Miles Day & Brother, of Philadelphia, for the freshman dormitory, for which \$250,000 has been donated.

Cram, Goodhue & Ferguson, of Boston, are the architects for the new Thompson graduate school, to be erected near the president's home.

SEA BRIGHT.—Capitalists headed by Mr. Baise, of Toronto, Canada, have not selected the site for the proposed new hotel. It will be a modern 350-room building, and cost about \$250,000.

PENNSYLVANIA

ALTOONA.—A committee has been appointed by the City Council to select a site for the proposed new fire station for the Twelfth Ward, to be erected as soon as possible.

CHESTER.—New York and Philadelphia capitalists are negotiating for the purchase of the Colonade Hotel property, and will convert it into a large first-class theater.

ERIE.—Thirty thousand dollars is to be spent by Fred. J. Miller in the erection of a three-story brick business block on

the southeast corner of State and Twelfth streets. Plans are being prepared.

HANOVER.—A new brewery will be erected on the property of the Hanover Bottling Company by a company just formed. E. D. Bortner and F. W. McCarthy are the principal stockholders. It will be three stories, and have a capacity of 50,000 barrels.

HARRISBURG.—A new colored school is agitated here by colored persons. The plan is favorable, as the plot wanted is the old Calder school site.

LEBANON.—The Lebanon Automobile Garage Company will erect a building to be used as a garage, on a site just purchased.

MEADVILLE.—Edw. S. Stevens, architect, of Boston, has prepared plans for the new house to be built by the Children's Aid Society. He also has plans for the improvements to be made to the Meadville Hospital.

PECKVILLE.—Plans for the Mid-Valley Hospital have been completed by Architect R. W. Snyder, of Scranton. It will be two stories, built of block trimmed with terra cotta and Indiana limestone.

PHILADELPHIA.—Local builders are invited to submit bids for the erection of three large barracks at Fort Dupont, Del. Bids are due on October 23.

Architects Ballinger & Perrot are said to have completed the plans for the new building to be erected at Broad street and Columbia avenue for the Turngemeinde.

Architect E. A. Wilson has completed plans for a Spanish style residence for F. L. Kramer, and for fourteen three-story houses.

T. P. Hunter has plans for a palatial residence, to cost \$150,000. The site has been selected.

The Knights of Columbus are looking for a site and will consider the erection of a new building, it is said.

The Berean Baptist Church has purchased a site and will erect a modern church.

PITTSBURG.—A site has been selected for a new Yiddish Theater, to be erected here in the near future. Aronson Realty Company purchased the site.

The United States Steel Corporation has appropriated \$15,000,000 for improvements to be made in the Pittsburgh district.

The Crane Company, of Chicago, has purchased a site for a brass foundry. The erection of the building will follow as quickly as contracts can be awarded after the architect is selected. Plans have been submitted.

We understand that Charles Bickel has been chosen to make extensive alterations in the Eisner Building at Fifth avenue and Wood street.

J. H. Hugus sold two lots to an unknown buyer, who will erect two store buildings immediately.

Kiehnel & Elliott, architects, it is reported, have been selected to plan the \$100,000 hospital the city is to have built at Marshalsea.

Architect R. M. Trimble is preparing plans for a brick church to be erected for the Second Unitarian Church; cost, \$30,000.

SCRANTON.—Architect E. H. Davis has prepared plans for a large addition to the Masonic Hall Building. Offices to the number of one hundred are planned.

SHIREMANSTOWN.—The congregation of St. John's Lutheran Church will rebuild their church edifice. Plans are being made for the same by M. I. Kast, architect, Harrisburg, Pa.

WILKES-BARRE.—Architect Knapp is preparing plans for a new home for the Salvation Army, to be erected on a site selected.

The St. Aloysius Society of Plains are to erect a two-story frame hall to meet all requirements of the association. Owen McGlynn is the architect.

Plans for the new high school will be ready for competitive bidders in five weeks. Owen McGlynn is the architect.

WAYNESBORO.—We understand from the local press that C. W. Sexton has acquired the Logan property with a view to improving same with an apartment house.

OHIO

AKRON.—Frank H. Adams, cashier of the First National Bank, is to erect a magnificent home on West Market Street in the near future. Plans are being prepared, but have not been selected.

DAYTON.—A new patrol house will be erected here by the Board of Safety, with funds remaining from the \$1,500,000 appropriated by Council.

EAST TOLEDO.—Architect Tschumy has prepared plans for a new flat building, to be erected by Earl Gamble, at Nevada and Federal streets, East Toledo. The building will be a two-story frame and will be 40 by 60 feet in dimensions.

LIMA.—St. Mary's Church is planning the erection of a new church, to cost about \$20,000. Address the pastor.

Grace Church has purchased a site and will erect a modern church in the near future.

OXFORD.—Plans are being prepared by Architect F. L. Packard, of Columbus, for a Carnegie Library building to be erected on the campus of the Miami University at Oxford at a cost of \$50,000.

TOLEDO.—Bids will be received up to noon, October 17, for the furnishing of all material and performing all labor required in the erection of a cold storage building at the Toledo State Hospital. Geo. R. Love, superintendent.

Plans will soon be prepared for the new post office building to be erected here at a cost of \$500,000. It will be of stone and one story high.

YOUNGSTOWN.—A. F. Judd is preparing plans for a new block of residences and stores.

The firm of E. E. & F. L. Clepper, of Sharon, Pa., is preparing plans for a new building to be erected here for the Evergreen Presbyterian Church. It will cost about \$35,000.

Will Christy, of Akron, will furnish the capital for a new hotel to be erected here in the near future.

INDIANA

INDIANAPOLIS.—Plans will be received from competing architects until Nov. 2 for the proposed new \$600,000 City Hall. Address Board of Public Works.

Brubaker & Stern, architects, are drawing the plans for the new contagious hospital.

ILLINOIS

AURORA.—Plans are being drawn for a new warehouse to be erected by Linn Bros. It will be four stories, and cost \$20,000.

ELGIN.—Architect G. E. Morris was with a party of Chicago capitalists who inspected a site for a proposed large creamery. He will probably draw the plans.

Bids will be opened October 20 for the construction of a two-story fireproof hospital for the acute insane and a one-story mill construction to the Industrial Building. P. M. Woodworth, M.D., Trustee.

JOLIET.—Civil Engineers have selected the site for the new factory to be erected by the National Hollow Brake Beam Company.

MOBILE.—The plans of Bergholtz & Parrot were accepted for the new City Hall to be erected in East Mobile.

OTTAWA.—The First National Bank of this city will soon enlarge their quarters to twice their present size.

PEORIA.—The new owners of the Buckeye Powder Company have not selected plans for the buildings that are to be erected in the near future.

Kinsey & Mahler Company purchased a site and will erect a large factory in the near future.

MICHIGAN

BAY CITY.—Pratt & Koepe are drawing plans for H. G. Wendland's new block on Washington Avenue.

GRAND RAPIDS.—A site has been selected for the new Fountain Street High School. Architects Robinson and Campau have drawn plans.

YPSILANTI.—About \$125,000 will be used in the erection of a sanitarium on a site already selected. H. H. Herbst and Prof. Robert Wenby are the prime movers.

WISCONSIN

FOND DU LAC.—St. Joseph Church which was destroyed by fire will be at once rebuilt. Fire loss was about \$70,000.

The trustees of the Congregational Church will build a much larger church in place of the one destroyed by fire with a loss of \$55,000.

MILWAUKEE.—The Ladies of Macabees will erect a new home and hospital as soon as the plans and site are selected.

The Emanuel Congregation is planning for the erection of a new temple to be erected on a site assured.

Architect H. J. Esser has prepared plans for a large reinforced concrete building to be erected for the United States Glue Company, at a cost of \$35,000.

A new light plant, to cost at least \$500,000, will be erected

here for the city. The plans of R. W. Hunt & Company, however, call for \$1,500,000.

RACINE.—Architects are drafting plans for the club-house to be erected by the Royal Arcanum. \$35,000 will be expended on the building.

MISSOURI

CARTHAGE.—The Methodist Episcopal Church, South, will build a church in the near future; cost from \$40,000 to \$50,000.

Bids will be received until October 30 for the construction of the fine \$90,000 Federal Building. Postmaster Stickney can be addressed.

IOWA

COUNCIL BLUFFS.—A lot next to the present Federal Building has been purchased by the government, and a new addition, to cost about \$150,000, will be made.

DES MOINES.—The State Railroad Commission has ordered the construction of a new union station in East Des Moines. E.

MAPLETON.—The Catholics at this place will erect a \$20,000 church, according to current reports. E.

MOUNT PLEASANT.—Plans submitted by Architect C. N. Nelson, of Burlington, have been accepted for a new school house. Bids to be received by Secretary H. E. Snider up to October 16. E.

SHENANDOAH.—Rev. Edmund Hayes, pastor of the Catholic church at Imogene, has subscribed \$25,000 towards a new church if his congregation will give an equal amount. E.

WATERLOO.—F. W. Chapman has charge of a new white block building for Thomas Cascaden, two-story, to cost \$35,000.

MINNESOTA

MINNEAPOLIS.—L. W. Spears, of New York, is here to select a site for an immense rock-crushing plant. A local company will promote it.

ST. PAUL.—A \$1,000,000 warehouse will soon be erected by the National Wool Growers' Association in this city. The site has been offered.

SOUTH DAKOTA

WATERTOWN.—Plans have not yet been selected for the new high school to be erected here. The School Board has the matter in hand.

KANSAS

INDEPENDENCE.—The Congregational Society of this city has selected a site and will erect a fine new church shortly.

TOPEKA.—As soon as the school bonds, amounting to \$40,000, are sold, plans are to be selected and work started on two new school buildings.

MONTANA

BUTTE.—Link & Hane, architects, were selected to prepare plans and supervise the erection of a \$750,000 court house.

MARYLAND

BALTIMORE.—J. W. and W. H. Hargrove have purchased a site and will erect a four-story building.

Francis E. Yewell will soon purchase a site on which to erect handsome porch front houses.

DISTRICT OF COLUMBIA

WASHINGTON.—Plans for a truck house to be erected in the southwestern part of the city are now ready. The District Government has charge of the work.

The Quartermaster, U. S. Marine Corps, Washington, D. C., has invited proposals for installing the necessary mechanical equipment in Extension "B," Depot of Supplies, Marine Corps, 1100 South Broad street, Philadelphia. Bids will be publicly opened October 22. The architects are Messrs. Rankin, Kellogg & Crane, 1012 Walnut street, Philadelphia.

VIRGINIA

NORFOLK.—The Worrell Realty Corporation has purchased a site and will erect a large building as soon as the plans are selected.

N. Block will erect a new building on the site of the one destroyed by fire, as soon as the adjusters are finished.

STAUNTON.—The Western State Hospital will establish an epileptic colony with the \$45,000 appropriated by Legislature.

RICHMOND.—Bids for the plumbing and heating for the new Y. M. C. A. building to be erected here will be received until October 20. S. & P. A. Davis, of 1600 Chestnut Street, Philadelphia, are the architects.

WEST VIRGINIA

MARTINSBURG.—\$50,000 in bonds will be issued for the erection of school buildings in the Second, Fourth and Fifth Wards.

TENNESSEE

KNOXVILLE.—At a meeting of the Golden Rule Lodge, I. O. O. F., No. 177, it was decided, it is said, to erect a new lodge hall on Central Market street at once.

NASHVILLE.—Davidson county will receive plans for a new county court house, to be erected at a cost of \$75,000, until October 28. Judge W. M. Pollard can be addressed.

NORTH CAROLINA

CHARLOTTE.—Young Hartsell Mills Company will erect a new building, 50x112 feet, to accommodate additional machinery.

SOUTH CAROLINA

DAVIDSON.—Davidson College, Henry Louis Smith, President, will erect a new structure to be three stories high, brick, and to cost \$15,000, after plans by Hook & Rogers, of Charlotte.

GEORGIA

DECATUR.—\$30,000 in school bonds were ordered issued by the School Board for the erection of a proposed new school building.

LA GRANGE.—An enterprising cotton manufacturing company, in this city, is to erect a large mill in the near future, at a cost of \$400,000 to \$500,000.

OCILLA.—Architect W. B. Camp, of Jacksonville, Fla., is said to have prepared plans for a hotel structure to be erected here by Dr. J. C. Luke. Probable cost, \$15,000. Estimates will be received October 25. The same architect has also prepared plans for a residence to be erected here.

UNION CITY.—A new college, cost \$25,000, will be built here very soon by the citizens of this place.

FLORIDA

LAKELAND.—Robert Bryant and C. W. Dean purchased a site and will erect, at an early date, one of the handsomest houses ever built here.

QUINCY.—W. B. Camp, architect, of Jacksonville, Fla., is preparing plans for a hotel building to be erected for the Quincy Hotel Company, to cost in the neighborhood of \$30,000. Estimates will be taken about October 25.

ALABAMA

ATMORE.—The Escambia High School will be erected here very soon. \$12,000 will be expended on the building.

BIRMINGHAM.—\$350,000 will be expended on the erection of a school building by the Board of Education here. Bonds have been issued.

HUNTSVILLE.—Architect Edgar Love is drawing plans for a handsome new residence to be erected on Franklin Street, this city.

MONTGOMERY.—According to reports the Methodist Woman's College commission has met here and announced that it will immediately award a contract for the work on the school to be built here. It will cost \$100,000.

SLOCUMB.—A company will soon be formed to build a cotton factory here. Clyde Kelly is the prime mover and has obtained \$35,000 in subscriptions.

MISSISSIPPI

HATTIESBURG.—C. D. Benedict is the promoter of a paper syndicate which proposes to erect a \$500,000 paper mill as soon as a site is secured.

JACKSON.—The Perry-Davis Lumber Company will locate a plant just north of the city limits. W. B. Perry, of Hattiesburg, and R. M. Davis, of Biloxi, are the principal stockholders.

We learn from current reports that the Mississippi head camp of the Woodmen of the World has decided to establish a sanitarium for its members in the hills a few miles north of Gloster, in Amite County.

OKLAHOMA

CLEARWATER.—Rudolph Weaver, a Johnstown architect, will plan the \$250,000 engineering building to be erected at the University of Oklahoma.

DAVIS.—\$18,000 in school bonds was voted in this week's election. The money will be used in the erection of a district school house.

MUSKOGEE.—Graham-Sykes Company will erect as soon as possible a five-story and basement building, modern in every respect, at a cost of \$100,000.

OKLAHOMA CITY.—School bonds amounting to \$300,000 will be issued to erect a high school building in the near future.

TULSA.—Three new school buildings, each to cost \$25,000, will be erected by the Board of Education. The buildings will be of reinforced concrete.

It is said that plans have been completed by Architect J. J. Glanfield for the construction of the big new warehouse which the Ratcliff-Sanders Grocery Company will shortly build on their First street property. The building will cover a space 100 by 120 feet, two stories and a basement and will cost in the neighborhood of \$25,000.

TEXAS

ABILENE.—Col. W. L. Beckham will erect a modern hotel on a site purchased in the main business portion of the town. It will be 125 x 130 ft., three stories with basement. Architect not made known.

CLARENDON.—The Baptist Church of this city is to erect a new church. Plans have not been selected.

CORSICANA.—The Houston & Texas Central Railroad will enlarge the depot of the two roads here. The waiting room especially is far too small.

DALLAS.—Plans are being prepared for the proposed new First Methodist Church. \$50,000 will be used in the construction of the first three stories. Judge J. M. McCormick is a leading member of the building committee.

The Exline Company of this city will erect a large printing plant on the outskirts of the city in the near future. The new plant will be much larger than the present one.

DOUGLASS.—The Sisters of St. Mary will soon erect a large institution on a site donated. Plans have not yet been selected.

FORT WORTH.—\$25,000 has been subscribed for the erection of a Texas Building at the Yukon Fair. F. H. Gohlke, of Wichita Falls, has charge of the matter.

GALVESTON.—Plans have been selected by Dr. John Haden for the new sanitarium to be erected here. Turkish and Russian bathrooms will be provided.

JACKSONVILLE.—The United Presbyterians will erect a church at an early date. The site has been purchased.

The Central Baptist Church has selected a site and will soon erect a new church building thereon.

OGDEN.—The Forestry Service will erect a three-story building, to cost about \$40,000, on a site selected in this city.

IDAHO

POCATELLO.—The selection of a site for the proposed new Federal Building is expected soon. Work will be started as soon as site is known.

UTAH

OGDEN.—Plans have been prepared by Architects Smith & Hodgson for the new high school building to be erected at this point, it is said.

SALT LAKE CITY.—Watkins & Birch, of Salt Lake, are the architects for the new Syndicate Building to be erected by John Dooley, at a cost of \$100,000.

The plans of Architect Rossel E. Mitchell, of this city, were accepted by the building committee of the Y. M. C. A. as the best submitted. The cost of the new building will be at least \$100,000.

Architect R. K. A. Kletting is reported to have completed the plans for the new Jefferson school house to be erected between Main and West Temple, Ninth and Tenth streets. Approximate cost, \$80,000.

CALIFORNIA

BERKELEY.—Plans for the new Boalt Law Library, to be erected at the University of California, have been selected. \$150,000 will be expended.

CHICO.—The congregation of the First Baptist Church is planning to remodel its present edifice at an approximate outlay of \$12,000, it is said.

COLUSA.—A company will soon be organized here for the pur-

pose of establishing a hospital with the latest appliances. H. Jacobson is a prominent backer.

FRUITVALE.—Plans have been selected for the reconstruction of the Altenheim. \$150,000 will be spent on the new structure, and work will be rushed so as to have the building ready by next May. Architect Haupt is the designer.

OAKLAND.—Everett Gold, of Vancouver, is looking for a site for the new pile factory he is to locate here. Chamber of Commerce is aiding him.

Architect J. J. Kennedy has prepared plans for a new building to be erected in the mission style. \$30,000 will be expended.

Porter Lodge, I. O. F., No. 272, has adopted plans for a new lodge building, to be erected at an estimated cost of \$25,000. It will be three stories, 51 x 90 feet.

The Oakland Real Estate Association will raise the amount necessary to build a fireproof hotel, according to plans of Architect Hardenburg. \$250,000 more is needed.

ONEONTA PARK.—Architect W. C. Zimmerman, of Chicago, has been chosen to draw the plans for the proposed new building of the Huntington Hall School.

SACRAMENTO.—The citizens of this city are urging the immediate erection of the proposed Court House on the site selected. Plans have not been filed.

Bids will be opened November 5 for the construction of the proposed county jail. It will be fireproof, with up-to-date steel cells.

SAN FRANCISCO.—The Pacific Realty Company has selected the plans of Architect Fred. H. Meyer and will erect a four-story enameled building. Construction will begin as soon as possible.

The Lincoln Realty Company has leased a site from the city and will erect a four-story building, with stores, in a short while.

A new United States Marine Hospital, to cost about \$500,000, will soon be erected at the Presidio. It will be of brick and have a ward capacity of over 200 beds. No plans selected.

The Board of Supervisors recommends the razing of the wrecked city hall and the erection of a new building to cost \$5,225,000.

M. Rosenthal has purchased a site and will erect a six-story and basement building, to cost \$150,000.

SAN JOSE.—A total of twenty-nine buildings will be eventually erected by the Agnews Hospital, and will represent an investment by the State of \$1,500,000. Five are now being constructed. State Architect Geo. C. Sellons is in charge.

SANTA ANA.—Orange County residents will soon issue \$60,000 in bonds for the erection of a county hospital and county farm. Plans not yet selected.

OREGON

PORTLAND.—The Twin We Company is to change the plans of the building it will erect from three to six stories. The lower floors will be devoted to stores and the upper to offices. Work of construction will begin very soon.

WASHINGTON

ABERDEEN.—New railway shops are planned for this city by the Union Pacific and St. Paul Railroads. They will be erected when the site desired is available.

SEATTLE.—Mrs. J. R. Gaudolfo will erect a new apartment house in a few weeks on a site she owns.

\$300,000 will be used in developing the property of the Handford Irrigation and Power Company. The plant will be greatly enlarged.

The Board of County Commissioners has selected a site for the proposed new county building, to cost \$30,000. Work will be started when plans are completed.

The Metropolitan Building Company is considering a plan to erect a third 11-story building on the old University tract. C. F. White is president.

SPOKANE.—William Hastie and Charles J. Kapps are said to have bought the Frankfort Building, at the southwest corner of Maine avenue and Howard street, and according to reports they will spend about \$125,000 in erecting additional stories.

TACOMA.—Plans have been made by Frederick Heath, school architect of this city, for the erection of the finest stadium in this country for the use of the school children. \$200,000 at least will be spent in the erection.

WENATCHEE.—Subscriptions are being taken by a committee appointed by the commercial club to raise money to build a public library and suitable place for young men to spend their evenings.



Residence of Mr. C. P. Taft, brother of Wm. H. Taft.

The following letter is one of the best testimonials of Burt Ventilators we have ever received.

"In reply to yours of recent date, will say that these ventilators are to go on Mr. C. P. Taft's residence, Cincinnati, Ohio. Elzner and Anderson are the architects and they stated positively that nothing but the Burt Ventilators would be allowed to go on, so you see that speaks well for you."

Burt Ventilators have an extraordinary capacity for properly ventilating any building. They are made with metal or sky light glass tops with patented sliding sleeve dampers adjusted to any degree, are storm and dust proof at all times whether open or closed, and never shut out the light. Burt Ventilators are the standard ventilators of America.

Send for our 96-page catalog, giving fine illustrations of mills, shops, factories and residences where Burt Ventilators are in successful use.

The Burt Mfg. Co., 550 Main St., Akron, Ohio.

Geo. W. Reed & Co., Montreal, Sole Manufacturers of Burt Ventilators for Canada.

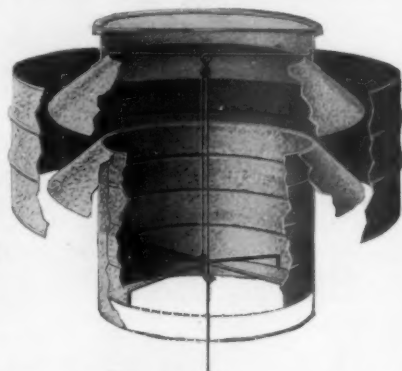
For Good Ventilation and Light

The attic of the average house is hot and dark. It can be easily changed into a pleasant habitable room by the use of the Burt Ventilator.

The residence of Mr. C. P. Taft, brother of the presidential candidate was remodeled and furnished with

Burt Ventilators

which has done wonders in providing fresh air and light to the darker rooms of the house.



Notice Sliding Sleeve Damper. (Patented.)

Remoteness From a Central Source of Water Supply is no Bar to Modern All-Through-the-House Water Under Pressure, When

LEADER WATER SUPPLY SYSTEMS

are in use, and this applies to town, suburban and country houses wherever located.

We call attention of architects to the system illustrated here—one well adapted for a medium sized residence. This outfit consists of a tank kept under pressure by a powerful geared pump jack, connected with a 1 H. P. air-cooled gasoline engine, mounted on skids.

The simplicity and compactness of the system is made apparent by the illustration which faithfully reproduces the whole plant.

NO AERIAL TANKS, NO LEAKAGE, NO FREEZING, NO STAGNANT WATER.

If the engine is not desired then the pump may be operated by hand, through a device not shown here.

A relief valve precludes injury to plumbing through careless control of pressure, and all told this system is ideal in every respect.

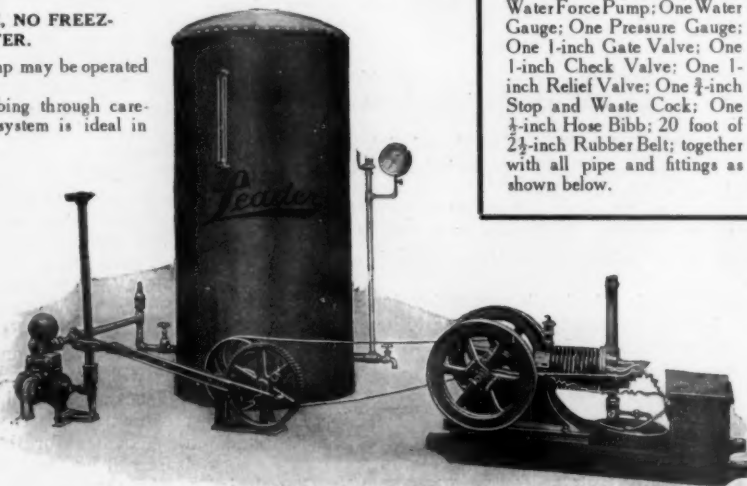
Let our engineering department prepare **FREE** estimates and blue prints, covering this or any other larger or smaller system made by us. Specification blanks sent on request.

Get book "B," containing detailed sectional drawings, just as a matter of self education, if for no other present reason. It is full of information concerning private water plants.

LEADER IRON WORKS
DECATUR, ILL.

15 William Street, New York, N. Y.

Be sure to mention *The American Architect*.



THIS OUTFIT CONSISTS OF:

One 36-inch x 6-foot Leader Tank; One 1 H. P. Air-cooled Gasoline Engine; One Leader Regular Pump Jack; One Fig. 205 Leader Special Air and Water Force Pump; One Water Gauge; One Pressure Gauge; One 1-inch Gate Valve; One 1-inch Check Valve; One 1-inch Relief Valve; One 1-inch Stop and Waste Cock; One 1/2-inch Hose Bibb; 20 foot of 2 1/2-inch Rubber Belt; together with all pipe and fittings as shown below.

Leader

UNIVERSITY OF PENNSYLVANIA**SCHOOL OF ARCHITECTURE**

FOUR-YEAR COURSE. (*Degree B. S. in Arch.*) (Architectural engineering may be taken in lieu of advanced design, etc.)
GRADUATE YEAR. (*Degree M. S. in Arch.*) (Allowing specialization in design or in architectural engineering, etc.)
SPECIAL COURSE OF TWO YEARS. (*Certificate.*) (For qualified draughtsmen; affording option in architectural engineering.)
COMBINED COURSES IN ARTS AND ARCHITECTURE, by which *A. B.* and *B. S. in Arch.* may be taken in six years.
COLLEGE GRADUATES granted advanced standing.
SUMMER COURSES in elementary and general subjects through which advanced standing may be secured.

For full information address: DR. J. H. PENNIMAN, Dean, College Hall, University of Pennsylvania, Philadelphia, Pa.

UNIVERSITY OF ILLINOIS

Four-year professional courses in Architecture, in Architectural Engineering and in Architectural Decoration. Special courses for draftsmen and constructors. Excellent library and equipment. University fees nominal.

DEPARTMENT OF ARCHITECTURE,
 W. I. PILLSBURY, Registrar, URBANA, ILL.

TO ARCHITECTS

Competition Designs and Perspectives in Water Colors or any Brush Medium, expert—assistance on Preliminary Sketches, and general architectural work, per mail from any distance or at Architects' offices by arrangement. Address JAMES ADAMS, 27 East 21st Street, New York City.

THE SOCIETY OF BEAUX-ARTS ARCHITECTS

has established

A FREE COURSE OF STUDY

open to draughtsmen and students of any city, modeled on the general plan pursued at the Ecole des Beaux-Arts in Paris, and comprising frequent problems in Orders, Design, Architectology, etc.

For information apply to the Secretary of the Committee on Education, 3 East 33d St., New York City.

UNIVERSITY OF NOTRE DAME
College of Architecture

The most attractive programs in the United States are the courses of study NOW offered by the University.

A 4 year Course in Design.
 American—not French—ideals.

A 4 year Course in Engineering.
 Structural—not Esthetic—problems.

A Short Course—2 years—
 of Especial Value to Draftsmen.

Send for the latest Bulletin.

Rev. John Cavanaugh, C. S. C., President,
 Notre Dame, Indiana

J. W. TAYLOR'S Photograph Series of
American Architecture

324 Dearborn Street, CHICAGO, ILL.

WASHINGTON UNIVERSITY
ST. LOUIS, MO.

offers a four-year course in Architecture, leading to the degree B. S. in Arch. Admission by examination or by diploma from accredited schools or certificate from other colleges. Qualified draughtsmen admitted as special students.

For information apply to the Department of Architects, Washington University.

UNIVERSITY OF MICHIGAN
ANN ARBOR, MICH.**DEPARTMENT OF ARCHITECTURE**

Four-year course in Architecture and in Architectural Engineering. Draftsmen and others adequately prepared are admitted as special students. For Bulletin describing work, address Dean of Department of Engineering.

GOTHIC DESIGN and DETAIL

Rendering and Perspective

HENRY H. LAW

Telephone, 1297 W. MT. VERNON, N. Y.

PERSPECTIVES RENDERED

In Pen-and-Ink and Water Color
WALTER M. CAMPBELL
 8 Beacon Street Boston, Mass.

WANT ADVERTISEMENTS**POSITIONS WANTED**

BEAUX-ARTS man, with good experience in practical work and designing, wants position; now engaged in New York. B. A. 17, care American Architect. (1711)

COMPETENT draughtsman, 38 years old, desires a position in an architect's office. Have had a wide European and practical experience. References furnished. Address W. C. Ewots, General Delivery, Evanston, Ill. (1711-12)

BEAUX-ARTS man, now employed by one of the largest New York firms, desires a position where a man of ability and thorough, practical knowledge in the preparation of all kinds of working drawings, details, construction, sketches, and water color work can command a first-class salary; New York or elsewhere. Address Verender, care American Architect. (1710-11)

YOUNG man, American, 17, wishes a position in architect's office to learn profession; some experience; good reference. Address Geo. J. Brown, 2½ King St., New York City. (1710)

DRAUGHTSMAN, architectural, expert on hotels and apartment houses, can qualify on any class of work; have had five years of independent practice and can handle any job from start to finish. Can design, write specifications and superintend. Reasonable salary expected; references; location immaterial. Address 13A, care American Architect. (1711)

PARTNERSHIP WANTED

YOUNG Architect, with collegiate and technical training, supplemented by experience in leading New York City offices, with five years of private practice, desires to associate with established architect in one of the large cities of the Pacific Coast. Capable of assuming entire charge of office. Expert designer, can handle competition work, perspectives, etc., in water colors and pen and ink. Some capital. Address "Architect," care American Architect. (1710-11-12-13)

MECHANICAL Engineer (Stevens Inst.), professional experience, responsible, etc., solicits correspondence with graduate architect of equal standing proposing to establish (location to be determined) for suburban architectural and contract work. Address 15-A, care American Architect. (1711)

HELP WANTED

WANTED—An experienced Architectural Draughtsman. Permanent position for first-class man, competent to handle all classes of work. One familiar with work in the South preferred. Give full information with salary expected. Address Curran R. Ellis, Architect, Macon, Ga. (1710-11)

PROPOSALS

Treasury Department, Office of the Supervising Architect, Washington, D. C., September 24, 1908.—Sealed proposals will be received at this office until 3 o'clock P.M. on the 5th day of November, 1908, and then opened, for the interior finish of the U. S. Post Office, Custom House, and Court House building at Cleveland, Ohio, in accordance with the drawings and specification, copies of which may be had at the discretion of the Supervising Architect, on application to this office or the office of the Architect, Arnold W. Brunner, No. 33 Union Square, West, New York, N. Y. Application must be accompanied by a certified check for \$250, which will be held at this office until the return of the drawings and specification.—James Knox Taylor, Supervising Architect. (1710-11)

Treasury Department, Office of the Supervising Architect, Washington, D. C., September 25, 1908.—Sealed proposals will be received at this office until 3 o'clock P.M. on the 30th day of October, 1908, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. Post Office at Carthage, Missouri, in accordance with drawings and specifications, copies of which may be obtained from the Custodian of site at Carthage, Mo., after the 5th day of October, or at this office after the 3d day of October, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1710-11)

Treasury Department, Office of the Supervising Architect, Washington, D. C., September 30, 1908.—Sealed proposals will be received at this office until 3 o'clock P.M. on the 9th day of November, 1908, and then opened, for the completion of the tower on the U. S. Post Office, Court House and Custom House, St. Paul, Minn., in accordance with drawings and specification, copies of which may be had at this office or at the office of the Custodian of the building, St. Paul, Minn., at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1711-12)

NOTICE TO CONTRACTORS

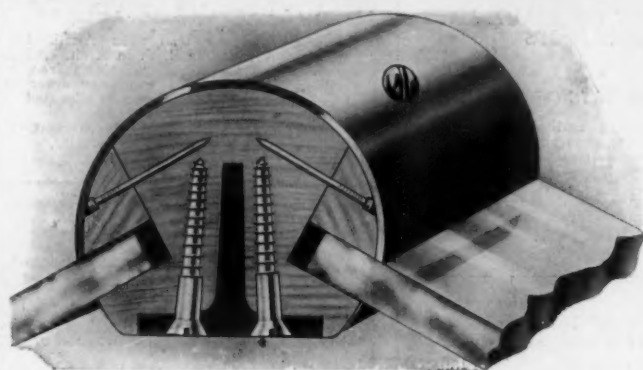
Sealed proposals, suitably endorsed on envelope, for construction heating, plumbing, and electric work for a cottage for inmates at the New York State Reformatory for Women, Bedford, N. Y., will be received up to 2 o'clock P.M. on the 20th day of October, 1908, by Hon. James Wood, President of the Board of Managers, at the New York State Reformatory for Women at Bedford, N. Y., when bids will be opened and read publicly.

Drawings and specifications may be consulted and blank forms of proposals obtained at the Institution, or by application to F. B. Ware, State Architect, Capitol, Albany, N. Y.

Contracts will be awarded to the lowest responsible and reliable bidders unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved. A certified check for five per cent. of the amount of the bid must accompany each proposal.

Only proposals for the complete work of construction, heating, plumbing and electric work combined, will be considered. (1711-12)

Treasury Department, Office of the Supervising Architect, Washington, D. C., September 28, 1908.—Sealed proposals will be received at this office until 3 o'clock P.M. on the 10th day of November, 1908, and then opened, for the construction of the U. S. Post Office at Toledo, Ohio, in accordance with the drawings and specification, copies of which may be obtained from the Custodian of the site at Toledo, Ohio, after the 30th day of September, or at this office after the 28th day of September, 1908, at the discretion of the Supervising Architect.—James Knox Taylor, Supervising Architect. (1711-12)



Corner Post No. 13

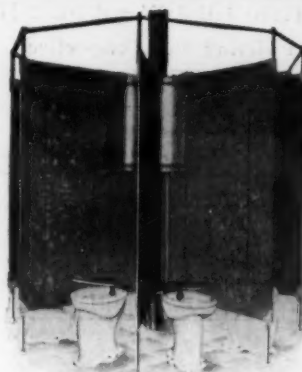
THE COULSON PATENT STORE FRONT CONSTRUCTION

we know to be the best and the only
practical construction of its kind.

We can convince you of the same if
you will write to us for a description
and our catalogue "D700."

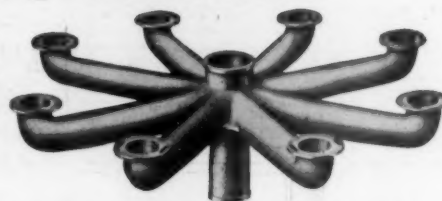
J. W. COULSON & CO.

Sole Owners and Manufacturers
Main Office, 234 North Third Street COLUMBUS, OHIO



KELLY OCTOPUS WATER CLOSET COMBINATION

Requires NO SKILL to fit it up. Saves
50 per cent. of space, labor and material.
Requires no measuring. Tested and
complete as shown with Steel, Wood,
Slate or Marble partitions. We furnish
everything complete except the "soil
pipe." Write for Circulars and Prices.



THOS. KELLY & BROS., Congress St. & 45th Ave., Chicago, Ill.

The Georgian Period

STUDENTS' EDITION

Consists of the leading article on Old Colonial Architecture
from the complete edition and 100 full-page plates chosen
for their value to students. Price, \$15.00

THE AMERICAN ARCHITECT

231-241 West 39th Street

New York

ALPHABETICAL LIST OF ADVERTISERS

A		E		L	
Adams, James.....	29	Edison Portland Cement Co.....	39	Law, Henry H.....	29
Alsen Cement.....	39	Elevator Supply and Repair Co. (e.o.w.).....	14	Leader Iron Works (e.o.w.).....	29
American Luxfer Prism Co.....	14	Estabrook's Sons, R.....	33	Loomis-Manning Filter Co.....	32
American Mason Safety Tread Co.....	32	Expanded Metal and Corrugated Bar Co.....	3	Lufkin Rule Co.....	31
American Radiator Co. (e.o.w.).....	3	F		M	
American Steel & Wire Co.....	34	Faber, A. W. (e.o.w.).....	31	Marquette Cement Mfg. Co.....	40
Art Metal Construction Co.....	34	Fisher Co., Robert C.....	31	Merchant & Evans Co. (e.o.w.).....	35
Artesian Well & Supply Co. (e.o.w.).....	40	Follansbee Bros. (e.o.w.).....	14	Monument Pottery Co.....	19
Atlantic Terra Cotta Co.....	16	French & Co., Samuel H.....	32	Muchenhin C. H. Co.....	34
Atlas Portland Cement Co.....	39	Frink, I. P.....	31	Mullins Co., The W. H. (e.o.w.).....	18
B		G		N	
Bedford Quarries Co.....	4	General Fireproofing Co. (e.o.w.).....	32	National Fireproofing Co.....	9
Berger Mfg. Co.....	36	Globe Ventilator Co.....	35	Neuchatel Asphalt Co.....	20
Berry Bros. (e.o.w.).....	37	Gorham Co. (o.a.m.).....	37	Never-Split Seat Co.....	5
Bird, F. W. (o.a.m.).....	37	Gurney Heater Mfg. Co.....	40	New York Belting & Packing Co. (e.o.w.).....	5
Brown Bros. Mfg. Co. (e.o.w.).....	19	H		O	
Brown Hoisting Machine Co.....	2	Hampshire Paper Co.....	20	Okonite Co. (Ltd.) (e.o.w.).....	
Burt Mfg. Co. (e.o.w.).....	28	Hartman & Sanders.....	38	P	
C		Hayes, Geo.....	32	Peerless Rubber Mfg. Co. (o.a.m.).....	10
Cabot, Samuel, Inc.....	20	Higgins & Co., Chas. M. (e.o.w.).....	37	Pierce, Butler & Pierce Mfg. Co. (e.o.w.).....	
Campbell, Walter M.....	29	Holland Furnace Co. (e.o.w.).....	37	R	
Carter White Lead Co.....	15	Hunt & Co., Robert W.....	40	Raymond Concrete Pile Co.....	34
Chicago Bridge & Iron Works.....	17	Hunt Metal Corner Co. (e.o.w.).....	34	Reliance Ball Bearing Door Hanger Co.....	35
Chicago Portland Cement Co.....	40	I		S	
Coulson & Co., J. W. (e.o.w.).....	29	International Moulding Co. (e.o.w.).....	32	Samson Cordage Works (e.o.w.).....	
Covert Co., The H. W. (e.o.w.).....	29	J		U	
Cutler Mfg. Co.....	37	Jenkins Bros.....	20	U. S. Changeable Sign Co.....	31
D		Johns-Manville Co., H. W.....	32	U. S. Mail Chute Equipment Co.....	
Dahlquist Mfg. Co.....	35	Jones, T. W. (e.o.w.).....		U. S. Mineral Wool Co.....	31
Dahlstrom Metallic Door Co.....	38	K		Union Fiber Co. (e.o.w.).....	
Dean Bros.....	31	Kawneer Mfg. Co. (e.o.w.).....	40	Universal Portland Cement Co.....	40
Deming Co., The.....	31	Keasby & Mattison Co.....		University of Illinois.....	29
Detroit Steel & Products Co.....	7	L		University of Michigan.....	29
Detroit Show Case Co. (o.a.m.).....	34	E		University of Notre Dame.....	29
Dexter Bros.....	36	F		University of Pennsylvania.....	29
Dixon Crucible Co., Jos.....	31	G		V	
Drouve, G., & Co.....	15	H		Vaile & Young.....	31
Dunning, W. D.....	31	I		Vinson, M. A.....	20
E		J		W	
F		K		Warner Co., Charles (o.a.m.).....	8
G		L		Warren Bros. Co.....	29
H		M		Washington University.....	29
I		N		Weld Co., Geo. A. (o.a.m.).....	34
J		O		Wiggins, John B. Co.....	32
K		P		Winslow Bros. Co., The.....	17
L		Q		Wolf Mfg. Co. (o.a.m.).....	18
M		R		Woodbury Granite Co.....	36
N		S			
O		T			
P		U			
Q		V			
R		W			
S		X			
T		Y			
U		Z			
V					
W					
X					
Y					
Z					

THE STANDARD

for over fifty years. Frink's Reflectors. All sizes and shapes for every conceivable purpose. State your wants and we can meet them. Investigation means adoption.

I. P. FRINK, 551 Pearl Street, New York.

LUFKIN STEEL TAPES

Are Indispensable for Accurate Work

Made in all styles and sizes for all classes of work

Send for catalog

THE LUFKIN RULE CO.

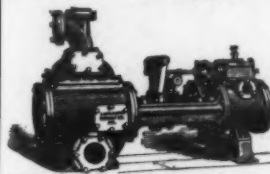
Saginaw, Mich., U. S. A.
New York London Eng.
Windsor, Can.



DEAN BROS. STEAM PUMP WORKS

INDIANAPOLIS, IND.

Elevator Pumps, Boiler
Feeders, Water Supply
Pumps,



Duplex Durable Pumps, Fire Pumps
Receivers, Surface and Jet Condensers



The expense and annoyance of painting
will not recur every year or two if you use

Dixon's Silica-Graphite Paint

the "Proven Shield for Steel Work." Du-
rability records in all climates; write for a
few.

JOSEPH DIXON CRUCIBLE CO.

JERSEY CITY, N. J.

The UNIQUE WATER CLOSET

See our Advertisement next week for
interesting information about the



STAPLES VALVE CO., NEWBURGH, N. Y.

Mineral Wool

FIRE, SOUND and VERMIN PROOF INSULATOR
SAMPLES AND CIRCULARS FREE

U. S. MINERAL WOOL CO., 140 Cedar St.
NEW YORK

The Broughton Mixer

for plaster, cement, lime, patent flooring, etc.

Ask for circular

WM. D. DUNNING

231 W. WATER ST.

SYRACUSE, N. Y.

Richardson Fireproof DOORS

See our full page advertisement in this
paper last week or next or write to

THORP FIREPROOF DOOR CO., MINNEAPOLIS.

Established 1830

THE ROBERT C. FISHER COMPANY,

Successors to FISHER & BIRD

MARBLE, MOSAICS and TILING

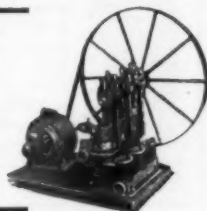
139th-140th Sts.—Locust Ave. and East River, New York

WHEN the architect specifies a DEMING
TRIPLEX POWER PUMP, the owner is
insured against any troubles from his water
supply.

Send for Catalogue "G." It has 110 pages
devoted to power pumps for all purposes.

THE DEMING COMPANY
SALEM, OHIO

See Sweet's Index for illustrated announce-
ment and specifications



**VAILE & YOUNG'S
Patent Metallic Skylights**
WITHOUT PUTTY

Construction adapted to all forms and styles
of Skylights.

Thousands of feet in use have proved its
superiority. Particularly adapted for Depots,
Mills, Factories, etc., where large and contin-
uous lights are required.

Send for Illustrated Catalogue.

214 N. Calvert St., Baltimore, Md.

THE L. SCHREIBER & SONS CO.

STRUCTURAL STEEL CINCINNATI ORNAMENTAL IRON

BRANCH OFFICES NEW YORK • CHICAGO • PITTSBURG • ATLANTA • NEW ORLEANS • SAN FRANCISCO • RICHMOND

"CASTELL"

DRAWING PENCILS

Made in 16 degrees, 6B to 8H

THE FINEST IN EXISTENCE

Sold by all stationers and dealers in artist's ma-
terials. Sample sent to all parties interested on
receipt of 10 cents in postage stamps.

A. W. FABER, 41 Dickerson Street
NEWARK NEW JERSEY

STANLEY'S BALL BEARING HINGES

In WROUGHT BRONZE and STEEL

Never Wear Down. Never Creak. Never Require Oiling.

The improved washer protects the balls against moisture and dust. For Sale by Leading Hardware Dealers.

Attractive Literature for the asking

THE STANLEY WORKS
NEW BRITAIN, CONN. NEW YORK CHICAGO

MASON SAFETY TREADS

For Stairs, Wood, Iron, Marble or Cement, new or old

HUNDREDS OF THOUSANDS IN USE

American Mason Safety Tread Co., Boston

J. S. THORN CO.

ARCHITECTURAL SHEET METAL WORKS

Manufacturers and Erectors of Ventilating Skylights, Fireproof Window Frames and Sash, and Opening Fixtures to operate Ventilating Sashes.

Nos. 1223-33 Callowhill St., PHILADELPHIA, PA.

COMMAND ADMIRATION

"Many business men say how much they admire my **smooth edge Book Form Cards**," writes one of our customers.

Think of the effect such a business card has on the opinion of your prospective customer.

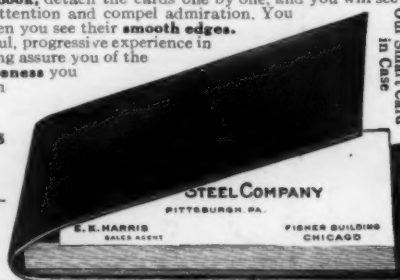
Peerless Patent Book Form Cards have set a new standard of business card perfection.

Send for a sample book, detach the cards one by one, and you will see why they command attention and compel admiration. You will be astonished when you see their **smooth edges**.

51 years of successful, progressive experience in designing and engraving assure you of the **quality and distinctiveness** you have always wanted in your cards.

The John B. Wiggins Company

Sole Manufacturers
Engravers, Die Emboss-
ers, Plate Printers
1-3 East Adams St.
CHICAGO



Our Smooth Card
in Case



FIRST IN
THE
FIELD

In this case
means
STRONGEST
FINEST, BEST

PEERLESS MORTAR COLORS

Send for color card and booklet

SAMUEL H. FRENCH & CO., PHILADELPHIA

Established 1844. Paint and Varnish Manufacturers

LOOMIS FILTERS

Established 1880

Improved System

Simple and Effective

LOOMIS-MANNING FILTER CO.

Main Office:

828 Land Title Bldg., Broad and Chestnut Sts., Philadelphia
Boston Buffalo New York Baltimore Washington Chicago

J-M Asbestos and Magnesia Products

Asbestos Roofing, Keystone Hair Insulator, Asbestos Wood, Asbestic Wall Plaster, Pipe Covering, etc.

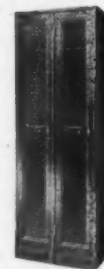
H. W. JOHNS-MANVILLE CO.

New York, Milwaukee, Chicago, Boston, Philadelphia, St. Louis, Pittsburgh, Cleveland, Buffalo, Baltimore, New Orleans, Kansas City, Minneapolis, San Francisco, Los Angeles, Seattle, Dallas, London

Allsteel

CLOTHING LOCKERS

¶ The architect, to satisfy the owners completely, should specify **ALLSTEEL Lockers**. First cost is whole cost—never need repairs, indestructible even in severest use. Unit construction. Fireproof; unaffected by dampness. Perfectly ventilated; absolutely sanitary. Finish of hard-baked enamel, olive green or any specified color. Standard for use wherever locker equipment is required. ¶ **ALLSTEEL Locker Booklet AA**, showing stock types, sent on request. Complete information on special lockers on learning number to a row, whole number, size and style. **The General Fireproofing Company, Youngstown, Ohio.**



ESTABLISHED 1868

THE "HAYES"
METALLIC GLAZED STRUCTURES
SKYLIGHTS FIRE PROOF WIRE GLASS WINDOWS
71-8TH AVE. NEW YORK
METAL LATHINGS ETC.

"OZONE" Window Ventilator

FOR OFFICES, PUBLIC BUILDINGS, HOSPITALS, HOMES, &c.

¶ This is a simple device, embodying all the best features of every window ventilator on the market; so constructed that the cost is one-half of some factory ventilators. The zinc screens filter the dust and are not affected by rain or weather; the wood part is made from selected material with superior workmanship. ¶ A small damper can be adjusted to close, partly open, or completely open the ventilator.

AA Selected Oak.

BB Perforated Zinc.

C Damper.

**INTERNATIONAL MOULD-
ING CO.**

140 Dearborn St., Chicago



Cross Section





The American Architect's Classified Illustrations

WE CALL especial attention to the complete collections of classified illustrations listed below. They cover a wide range of treatment and represent the best work of the best architects in the country.

The groups here specified are overprints of illustrations that have appeared in *The American Architect* from week to week—now arranged ready for shipment upon day the order is received.

CITY HOUSES; Sets of 100 at \$5.00,

SUBURBAN HOUSES; Sets of 100 at \$5.00.

BANKS; Sets of 50 at \$2.50,

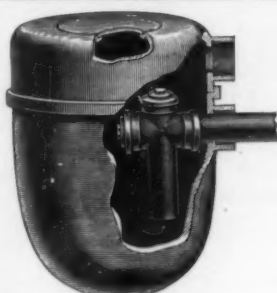
COUNTRY HOUSES; Sets of 100 at \$5.00.

CHURCHES AND CHAPELS; Sets of 50 at \$2.50, Sets of 100 at \$5.00, Sets of 150 at \$7.50.

Write for our complete list of classified illustrations and books—sent upon request. We will gladly forward, free, sample sheets (full size) from any of these collections you may be particularly interested in. Write to-day.

THE AMERICAN ARCHITECT

231 West 39th Street New York



ESTABROOK'S GREASE TRAP

There is a good reason, Mr. Architect, why you should know about this **Grease Trap**. It will satisfy you—and your client. Send us your address and say you saw this ad.—we will answer promptly.

WITH EXTENSION TOP. Also made without extension top. *We have a Grease Trap Booklet—Can we send it?*

R. ESTABROOK'S SONS Cor. First and C Sts
So. Boston, Mass.

RENAISSANCE DOORWAYS

RED CLOTH, GILT TOPS. Plates (104),
each 10 x 14 inches. **Price, \$7.50**

THE AMERICAN ARCHITECT
231-241 West 39th Street NEW YORK

THE GEORGIAN PERIOD

So-called Colonial Architecture, never obsolete in any section, and now a most popular form of domestic treatment, is exhibited by plate and text in this best and most complete work, edited by William Rotch Ware.

It is indispensable to practising architects, especially those who specialize in home, club and church structures, and is a *chef d'oeuvre* in any architect's library.

The Georgian Period in complete edition is published in three forms, the style and price of each of which is: Twelve parts in separate Portfolios, \$60.00; bound in three large volumes, dull surface, brown canvas, with leather label, \$63.00; half morocco, \$66.00; 5% discount for cash; 351 plates; 525 text illustrations.

Sample pages will be sent on request.

THE AMERICAN ARCHITECT

231 W. 39th Street NEW YORK

Raymond Concrete Pile Co.

CHICAGO
135 Adams Street

NEW YORK
140 Cedar Street

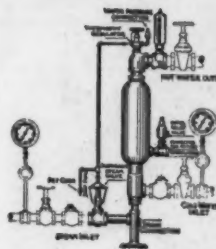
PITTSBURGH
Union Bank Bldg.

PHILADELPHIA
Arcade Bldg.

BALTIMORE
Pratt and Concord Sts.

Offices in the principal cities

WELD Automatic Hot Water Heater



furnishes hot water at any given temperature and any quantity desired.

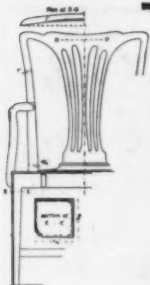
It is heated as used.

No tank is needed.

It is the simplest, most durable, most practical **AUTOMATIC WATER HEATER MADE.**

Write for booklet, prices, discounts, etc.

GEO. A. WELD CO., 79 Milk St., BOSTON, MASS.



SEATS OF THE COLONISTS

Part I—This collection of illustrations is particularly valuable to architects whose clients wish them to suggest furniture to harmonize with colonial designs.

The glossary and other text treat of this interesting subject in a comprehensive manner, and as a study of colonial furniture, it is *complete* in its treatment, containing photographs and measured drawings of the original Chippendale, and the reduced illustrations shown here only hint at the method of treatment. The price of this collection is \$5. *Sample sheets, full size, will be sent on request. Write for them to-day.*

THE AMERICAN ARCHITECT, 231 West 39th St., NEW YORK CITY



DO YOU KNOW A CORNER IN PLASTER WILL SAVE MONEY IN POCKET?

Our Corner Beads, Ground Beads and Picture Hanging Beads are made of Galvanized Steel, Solid Zinc, Brass or Bronze. Make straight, solid corners on roughest brick walls, wood or metal lathing. Sample and points on 15 different applications for the asking.

HUNT METAL CORNER CO.
EAST MAIN STREET. WESTBORO, MASS.

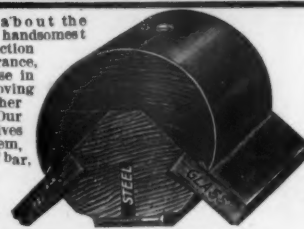
Petz Patent Store Front Construction

(JOHN PETZ, PATENTEE)

May We Tell You More about the handsomest and strongest store front construction made? Its clean-cut, artistic appearance, its strength and rigidity, and its ease in installing, and in inserting and removing glass, give it precedence over all other forms of store front constructions. Our booklet "Modern Store Fronts" gives complete details of the "Petz" system, and illustrates the different styles of bar, and their method of application. Write for a copy to-day.

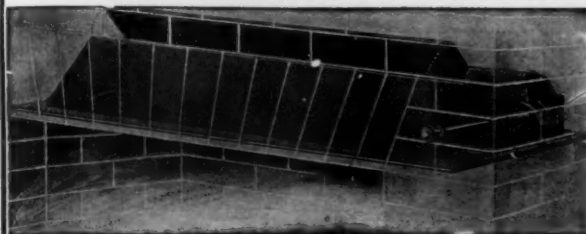
Detroit Show Case Co., Sole Makers
482 West Fort St., Detroit, Mich.

For sale by Pittsburg Plate Glass Co. at all branches.



PREVENT SMOKY FIREPLACES

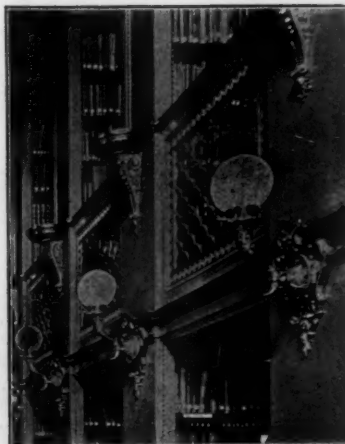
Do You Know Murdock-Shaw Perfect Fireplace Dampers Are Specified by Architects Throughout the Country?



Ask for Circular and Prices from

MURDOCK-SHAW CO.

127 Federal Street
BOSTON, MASS.



WE have equipped hundreds of Libraries, including some of the largest, with our "Standard" and "Bracket" Steel Stacks.

Fireproof, Strong, Space-saving, Simple Shelf Adjustment.

We manufacture furniture and many devices in sheet steel and, having our own bronze foundry, supply complete library and bank equipment after architects' designs.

CORRESPONDENCE SOLICITED

Art Metal Construction Co.
JAMESTOWN, NEW YORK



RELIANCE BALL BEARING DOOR HANGER CO.
ONE MADISON AVENUE, NEW YORK

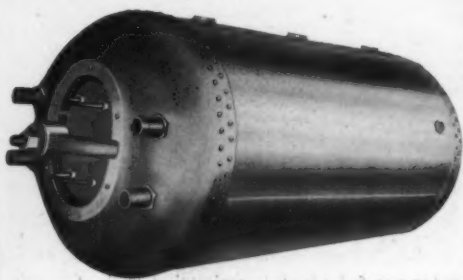
Reliance **HANGERS**

are being specified by the most careful and progressive architects, where silence and smoothness of action are required.
See Sweet's Index—Pages 572 and 573.

ECCLESIASTICAL DOMES

Bound in Red Cloth, Gilt Top, Containing 82 Plates, each 10x14 Price, \$5.00

The American Architect, Publishers
239 WEST 39TH STREET, :: NEW YORK



BOSTON COPPER BOILERS

IN THE FIRST PLACE, MR. ARCHITECT, you want to know that the Boiler you specify is right, right for yourself and right for your client.

BOSTON COPPER BOILERS

Are right in every detail, and guaranteed to be the best made. We make four grades of tank and pressure boilers to stand any pressure up to 600 pounds, all sizes to order. They have been placed in the leading buildings of the country by some of the best known architects; let us send you list and give you prices. You will be interested in our illustrated boiler circular, and price list, whether you are ready to specify now or later.

DAHLQUIST MFG. CO., Coppersmiths and Metal Workers
40 WEST 3d STREET, SOUTH BOSTON, MASS.

"Merchant's Old Method" OPEN HEARTH BASE Coated by the Palm Oil Process.

This brand carries with it a reputation for lasting quality.

It is specified by leading Architects and Engineers who know its value for roofing from actual experience with it for years.

GET A LINE ON THE QUALITY BY WRITING US FOR FACTS. FREE FOR THE ASKING.

NEW YORK
BROOKLYN
BALTIMORE

MERCHANT & EVANS CO.
Manufacturers of HIGH GRADE ROOFING TIN
PHILADELPHIA

CHICAGO
KANSAS CITY
DENVER

"Reg. U. S."
M & E
Pat. Off."



The "GLOBE" Ventilator

IN BRASS, COPPER, GALVANIZED IRON
AND WITH GLASS TOPS FOR SKYLIGHT PURPOSES

SIMPLE SYMMETRICAL STORM-PROOF EFFECTIVE
FOR PERFECTLY VENTILATING BUILDINGS OF EVERY CHARACTER

Smoky Chimneys Cured

SEND FOR MODEL
AND PAMPHLET

Globe Ventilated Ridging

MANUFACTURED BY

"The 'GLOBE' is built on honor and sold on merit."

GLOBE VENTILATOR COMPANY, TROY, N. Y.

WOODBURY GRAY GRANITE

is chosen for the new Mahoning County Court House, at Youngstown, Ohio, by unanimous vote of the Commission, on the first ballot. The artistic effect of Woodbury Gray Granite, our facilities for prompt delivery, and our record of successful achievement of some of the largest granite contracts ever awarded, won this \$250,000 contract for us. Messrs. Owsley, Boucherle & Co. are the architects.

WOODBURY GRANITE COMPANY

Hardwick, Vermont

MR. GEORGE H. BICKFORD, General Manager

NEW YORK: 1 Madison Ave.

CHICAGO:
832 Monadnock Block

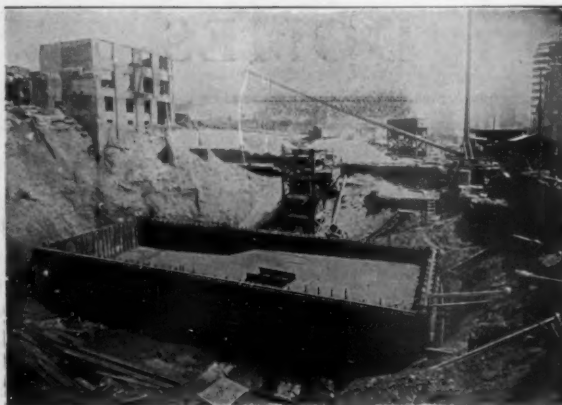
PITTSBURG:
2419 Farmers Bank Bldg.



Medusa Waterproof Compound

MAKES ALL CONCRETE IMPERVIOUS TO WATER

It is not a wash or experiment. Gives permanent results and will not affect the strength of concrete. Beware of imitations and adulterations that are sold for less than it costs to manufacture MEDUSA.



Picture of water-proofed concrete swimming pool. Olympic Club Bldg., San Francisco, California. Thompson-Starrett Co., General Contractors
WRITE FOR PAMPHLET

SANDUSKY PORTLAND CEMENT CO., Sandusky, O.
Send for free sample of true Portland White Cement



C. E. PATCH, Architect, Boston

DEXTER BROTHERS English Shingle Stains

preserves your shingles, makes the artistic house perfect, makes the ugly house artistic. Soft velvety colors. No disagreeable odors. Send for sample colors.

DEXTER BROTHERS COMPANY
103-105-107 Broad Street, Boston, Massachusetts

AGENTS:

H. M. Hooker & Co., 128 W. Washington St., Chicago; W. S. Hueston, 6 E. 30th St., New York; John D. S. Potts, 218 Race St., Philadelphia; F. H. McDonald, 619 The Gilbert, Grand Rapids; F. T. Crowe & Co., Seattle, Spokane, Tacoma, Wash., and Portland, Ore.; Klatt-Hirsch & Co., 113 Front Street, San Francisco, Cal.; W. W. Lawrence & Co., Pittsburgh, Pa.

If your brick or concrete house leaks ask about
Antiaquatine.



Berger Raydiant Lights in accounting room below court,
First National Bank, Birmingham, Ala.

ECONOMY OF INSTALLATION

MAXIMUM EFFICIENCY

That's what you get when you put in

BERGER'S
Raydiant **SIDEWALK**
LIGHTS

NO CENTERING REQUIRED

Easily and quickly installed. Galvanized steel forms hold glass in position while concrete and reinforcing rods are being applied

Catalog F-9-V on request

THE BERGER MFG. CO. :: :: CANTON, OHIO
New York, Philadelphia, Boston, Chicago, St. Louis, Minneapolis,
Atlanta, San Francisco

CUTLER MAIL CHUTES



MODEL F

Are the outcome of twenty-five years of experience, and in their present form embody the very last improvements, made under a series of patents, no one of which is more than eight years old, and four of which are dated March 10, 1908. They are fully protected and

Infringers are being Prosecuted.

We have equipped thousands of buildings, our work is the standard and we quote low prices.

If you don't know our nearest agent, write to us for full information and estimates.

THE CUTLER MFG. CO.
ROCHESTER, NEW YORK.

The
Cost of
Heating
a House



Residence of F. G. Allen, Norwood, Mass.
Sheathed with Neponset.
Allen & Collins, Architects.

is the Cost of Heating the
Cold That Enters.

NEPONSET
SHEATHING PAPER
Keeps Houses Warm

It gives the greatest protection against outside temperatures. It adds immensely to heating efficiency. It is just the difference between heating economy and heating wastefulness. When you specify Neponset and insist on its use, you insure your client the most comfortable house his money can buy.

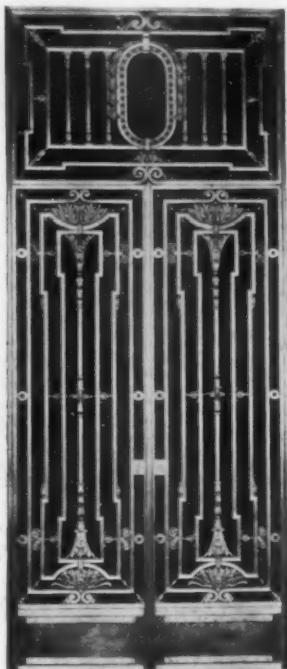
Remember, Paroid Roofing is suitable for many roofs and porches, it is time-tested; and Florian is the cleanest and most efficient, sound-deadening felt made.



F. W. BIRD & SON

(Established 1817)

East Walpole, Mass.



EDISON GATES, BOSTON, MASS.
Winslow & Bigelow, Architects.



THE GORHAM CO ARCHITECTURAL BRONZE

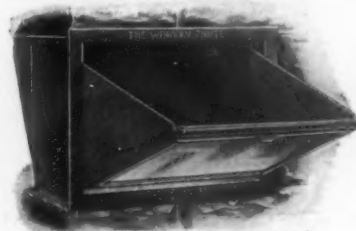
FIFTH AVENUE NEW YORK

WORKS AT PROVIDENCE, R.I.

"The Window-Chute"
"The One With the Glass"



A solid metal sheet can be inserted as easily as a pane of glass if light is not wanted.



Made only by

HOLLAND FURNACE CO., Holland, Mich.

Write for prices and particulars

CHICAGO OFFICE, 609, 40 Dearborn St., E. W. Ritter & Co.; ST. LOUIS OFFICE, 400 N. Main St., Edw. Muchlenbrock & Co.; NEW YORK OFFICE, 90 West St., H. B. Drake & Co. See Sweet's Index, page 1306.



Charles A. Giffard, New York, Architect

*Mount Washington Hotel**Bretton Woods, N. H.*

The architect's specifications for this splendid modern hostelry called for genuine

"Standard" Porcelain Enameled Plumbing Fixtures

For hotel use, for hospitals, public buildings or such places where the combination of extreme serviceability and high sanitary efficiency is required of the plumbing fixtures, genuine "Standard" Porcelain Enameled Ware is always the most advisable equipment to specify.

In service, sanitation and use, genuine "Standard" Fixtures insure greater satisfaction and meet the severe requirements of this class of building more fully than any other sanitary equipment in the world.

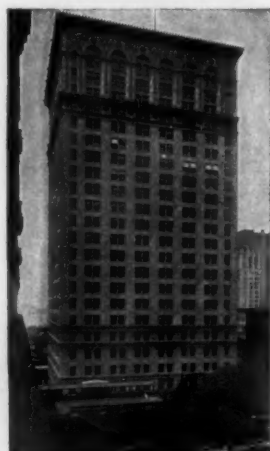
When you specify "Standard" Fixtures, see that each piece bears the "Standard" Green and Gold Guarantee Label, otherwise it is not the genuine "Standard" Ware.

Standard Sanitary Mfg. Co.

Pittsburgh, Pa., U. S. A.

DAHLSTROM PATENT

HOLLOW SHEET METAL DOORS
ARE USED IN THIS BUILDING



U. S. Express Building, New York. Clinton & Russell, Architects.

We also make COLD DRAWN MOULDINGS

For Casings, Crown Mouldings, etc. Catalogue showing numerous designs sent upon application

DAHLSTROM METALLIC DOOR CO.
JAMESTOWN, N. Y.

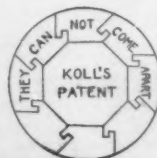


KOLL'S PATENT Lock-Joint Columns

Suitable for Pergolas, Porches or Interior Use
are made exclusively by

HARTMANN-SANDERS COMPANY

Elston and Webster Avenues, CHICAGO, ILL.:
Eastern Office, 1123 Broadway, NEW YORK



Send for Catalogue W-19 of Columns,
or W-29 of Sun-dials, Pedestals, etc.