

*J. J. Ferree*

SOUTHERN  
ARCHITECT  
*and* BUILDING NEWS



AUGUST  
1929

THE SOUTH'S ONLY JOURNAL OF ARCHITECTURE AND BUILDING

..... SINCE 1882 .....

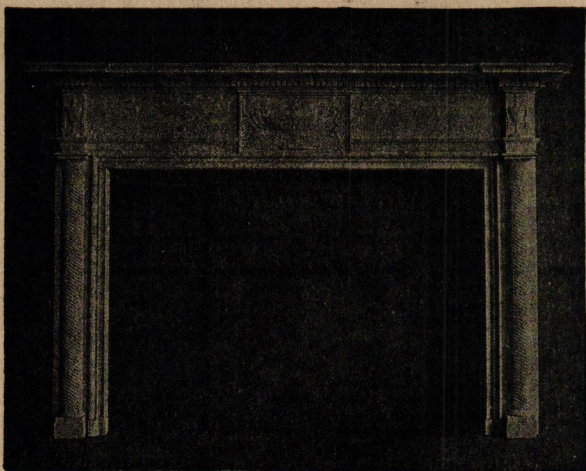
# SEPCO FLAMELESS HOT WATER SERVICE FOR THE HOME

**No Soot—No Smoke—No Ashes  
No Attention Required**

Orders and re-orders prove the public like this effortless service. Installed in any home, the SEPCO delivers hot water at every faucet, day or night! Economical, effortless—clean and healthful hot water. So good that the power company sells your clients electric service to be used with the SEPCO at a price lower than they pay for "electric lights."

*Over 35,000 Sepco Heaters now successfully operating makes it possible for architects to specify this product with perfect safety.*

**AUTOMATIC  
ELECTRIC HEATER COMPANY**  
1706 Race Street  
PHILADELPHIA, PA.

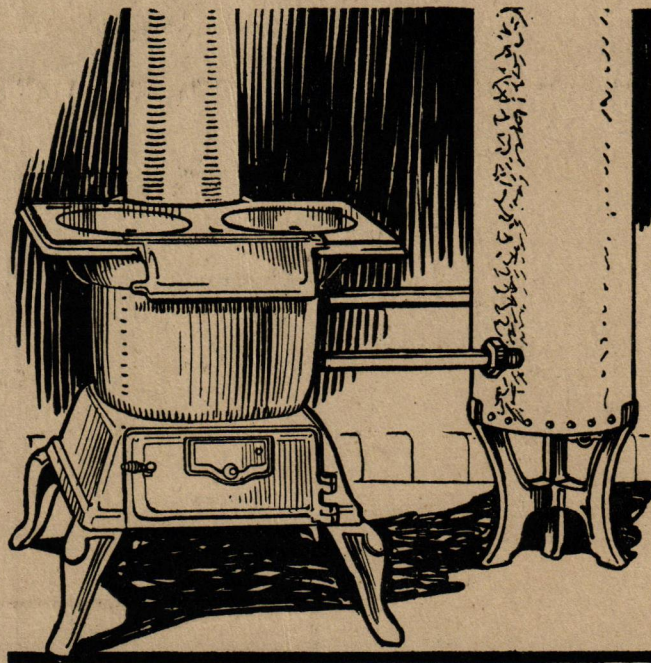


## PERIOD MANTELS

"THE FIREPLACE," an architect has well said "makes itself the focal point of every room in which one occurs." And of this focal point the mantel is the frame—the vital decorative element which, above all else, must be correct in design and execution and also in perfect harmony with the spirit and tempo of the interior. In the production of such mantels of wood we are specialists, and we have an almost infinite variety of designs awaiting your choice.

*Our illustrated folder showing many designs is at your service. May we send it?*

**GEORGIAN MANTEL COMPANY**  
310-314 East 75th Street, New York City



## Plenty of hot water at lowest cost

Every home, big or small, uses hot water. Include a King Tank Heater in your plans. It is the ideal low-first-cost and low-operating-cost hot-water plant. A sturdily built stove with water jacket surrounding the fire bowl. It attaches to any tank. Operates to capacity on one bucket of coal a day!

Any woman will be better pleased with her house-plans if you include a King Tank Heater. Write for full information today!



**OAKLAND FOUNDRY COMPANY**

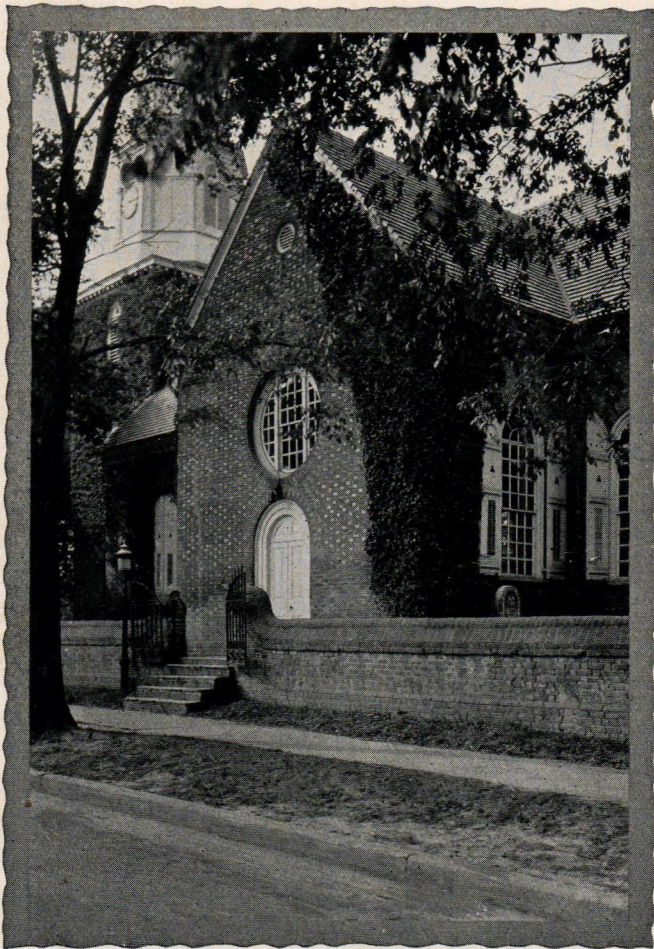
Dept. A

BELLEVILLE, ILLINOIS

# KING TANK HEATER

# Specify **HANDCRAFT** Colonial Brick

*An Artistic Heritage of Early American Craftsmanship—Weathered in Texture and Mellow in Tone—As Captivating as the Originals.*



*Bruton Parish Church, Erected 1715, Williamsburg, Va., is one of the finest examples of Early Colonial Churches in America*

ONE of the most picturesque churches in all America is old Bruton parish church at Williamsburg, Virginia, erected in 1715. Of all its charms none are so outstanding as the ripe beauty of its hand-made brick now aged and mellowed to soft grays, reds and greens. How many times have you wished that authentic replicas could be had for use on your own Colonial and Georgian churches?

These mellow-hued bricks, softened by time and worn by the elements can now be had in **HANDCRAFT COLONIAL BRICK**. They are, in fact, actual reproductions made of the same clay as the brick in the Famous Colonial Houses at Old Salem, North Carolina. Besides imparting an effect of age-old beauty they are the most appropriate brick for any building designed in the Early American spirit.

Why use an ordinary rough texture brick when **HANDCRAFT COLONIALS** can be had at approximately the same price?

TYPICAL SAMPLES WITH FURTHER INFORMATION AWAITS YOUR REQUEST

**THE YADKIN BRICK YARDS**  
NEW LONDON, NORTH CAROLINA

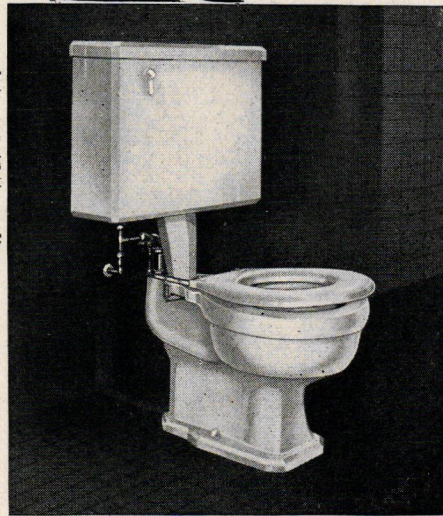
*Thirty-Two Years Experience In The Manufacture Of Ceramic Products.*

# Specify The Odorless Closet For Your Clients!



HOME OWNERS OR BUILDERS WILL THANK YOU FOR INCLUDING THIS REFINEMENT THAT KEEPS THE BATHROOM AIR FREE FROM FOUL, OFFENSIVE ODORS.

Instantly at the time of use, all odors are drawn away and discharged into the sewer by the Abingdon. This is an exclusive improvement—found only in the Abingdon.



ARE you an architect looking for improvements in sanitation? Here's one that will appeal at once to every man and woman interested in the building, remodeling or refurnishing a bathroom. THE ABINGDON SELF-VENTILATING CLOSET. The *only* closet that banishes the old annoyance and repulsive offense of odor—making sure that the bathroom air will be clean and pleasant at all times.

A handsome closet—furnished in colors as well as white and in the newest patterns. Yet with this *exclusive* improvement it is in the usual range of prices.

The Abingdon Sanitary Mfg. Co. has long been recognized in the plumbing field as the manufacturer of the finest vitreous china fixtures—outstanding in beauty of design and finish. Let us send you full details of the self-ventilating closet and other Abingdon products.

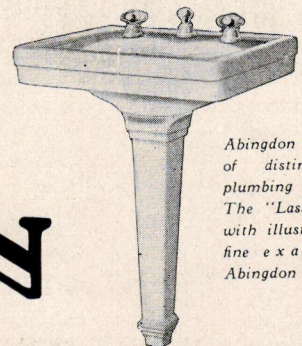
## ABINGDON SANITARY MFG. CO.

Manufacturers of Full Line of Highest Quality Vitreous China Plumbing Fixtures, Lavatories, Water Closets, Drinking Fountains, Specialties, Furnished in All Standardized Colors as Well as White

Executive Offices and Potteries at Abingdon, Illinois  
Distributors in All Principal Cities

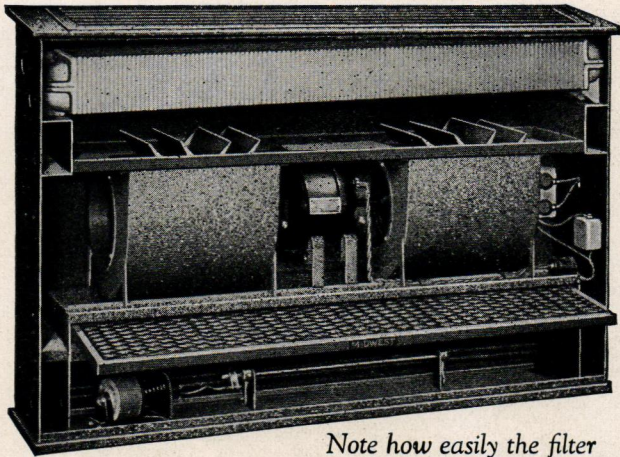
# ABINGDON

Self-Ventilating Water Closet



Abingdon is a mark of distinction in plumbing fixtures. The "Lassell" herewith illustrated is a fine example of Abingdon Lavatories.

# Announcing the New "900" Series BUCKEYE Heatavent



*Note how easily the filter may be removed for cleaning*

THE 900 Series Buckeye Heatavent represents a distinct achievement in the field of unit heater and ventilator engineering.

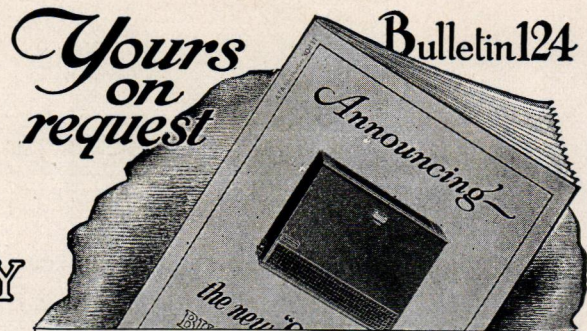
Aisle projection has been reduced to nine and one-half inches. The unit is only thirty-four inches high which allows installation under practically all windows without obstructing the light.

This unit has the capacity to perform its full heating duty, in severe sub-zero weather, and yet not overheat in mild weather.

It is equipped with the Buckeye Sectional Copper Tube Radiator, which is not harmed by repeated freezing.

In conjunction with any approved standard temperature control system, the 900 Series Unit cannot freeze. A stat located in the Unit acting independently of the room thermostat protects the radiator against freezing by allowing the necessary amount of steam into the radiator intermittently, at intervals determined by the outlet temperature of the unit itself, even though the room is up to the desired temperature and the room thermostat therefore, having closed the steam supply valves.

Even though the steam supply should for any reason fail and the radiator freeze, you have the assurance that freezing does not harm the Buckeye Sectional Copper Tube Radiator.



## THE BUCKEYE BLOWER COMPANY

Main Office  
& Factory



400 Dublin Ave.  
Columbus, Ohio

Sales and Service Offices

ATLANTA, GA.  
BALTIMORE, MD.  
BOSTON, MASS.  
BUFFALO, N. Y.  
CHICAGO, ILL.  
CLEVELAND, OHIO  
DALLAS, TEXAS  
DENVER, COLORADO  
DETROIT, MICH.  
GRAND RAPIDS, MICH.

HARRISBURG, PA.  
HEMPSTEAD, L.I., N.Y.  
INDIANAPOLIS, IND.  
KANSAS CITY, MO.  
LOS ANGELES, CALIF.  
MILWAUKEE, WIS.  
MINNEAPOLIS, MINN.  
NEW YORK, N. Y.  
NEWARK, N. J.  
PHILADELPHIA, PA.

PITTSBURGH, PA.  
PORTLAND, OREGON  
RICHMOND, VA.  
ST. JOSEPH, MO.  
ST. LOUIS, MO.  
SALT LAKE CITY, UTAH  
SEATTLE, WASH.  
SYRACUSE, N. Y.  
TORONTO, ONT.  
YOUNGSTOWN, OHIO

The Buckeye Blower Company  
400 Dublin Ave., Columbus, Ohio

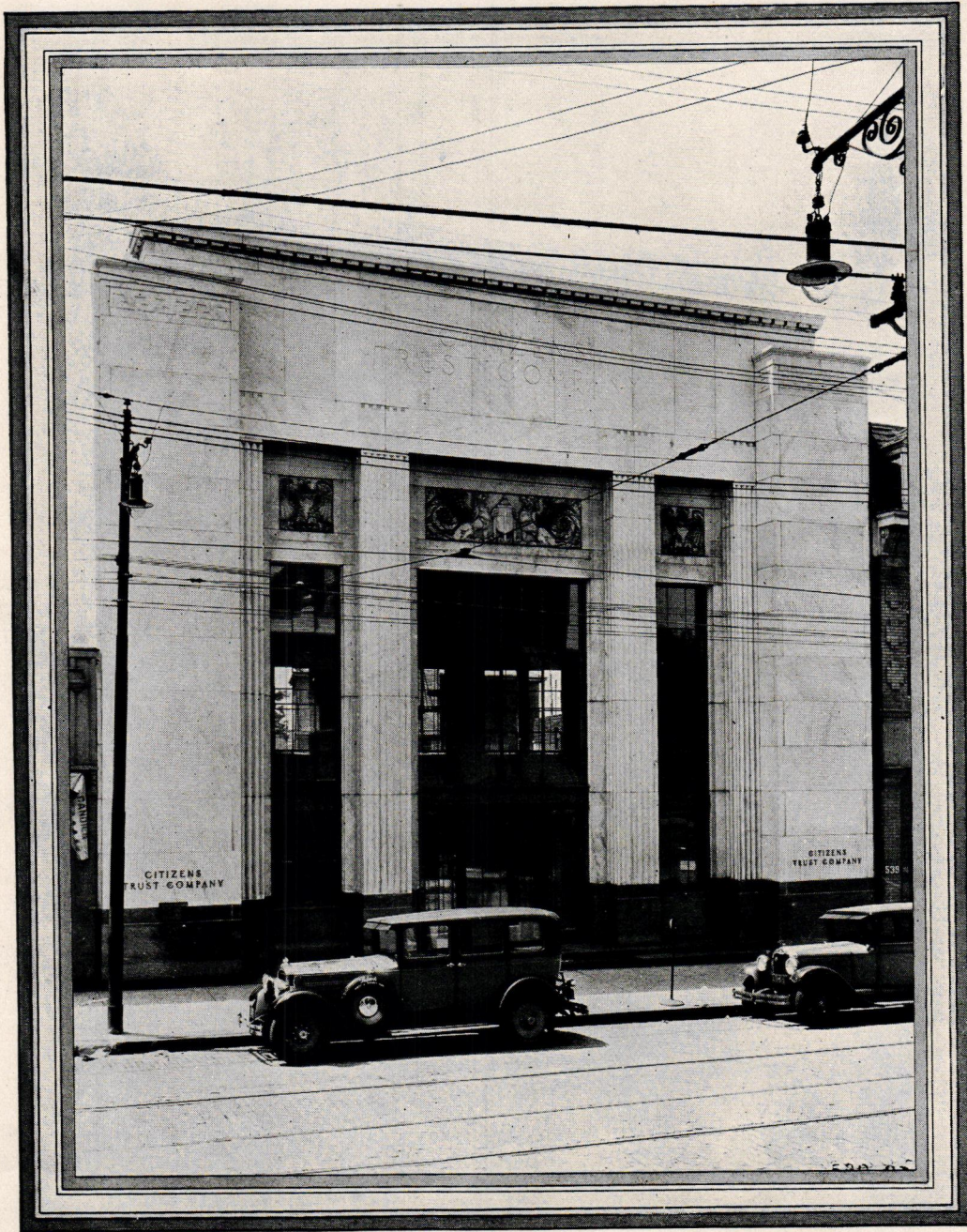
**Yes, send me  
BULLETIN 124**

Describing the "900" Series Unit

Name \_\_\_\_\_

Address \_\_\_\_\_

# GEORGIA MARBLE



CITIZENS TRUST CO., BELLEVUE, PA.

FREDERICK GIFFIN, Architect

Georgia Marble, for a bank facade, need not cost more than ordinary stone . . . Frequently, when our engineers are consulted, they are able to suggest revisions in the stone details—such as simplifying the jointing or reducing the thickness of some of the blocks—which will permit the use of Georgia Marble without appreciably increasing the cost of the building . . . A book, “Examples of Bank Work in Georgia Marble,” containing photographs and useful detail drawings, will be sent upon request.

THE GEORGIA MARBLE COMPANY · TATE · GEORGIA

1328 Broadway  
NEW YORK

814 Bona Allen Bldg.  
ATLANTA

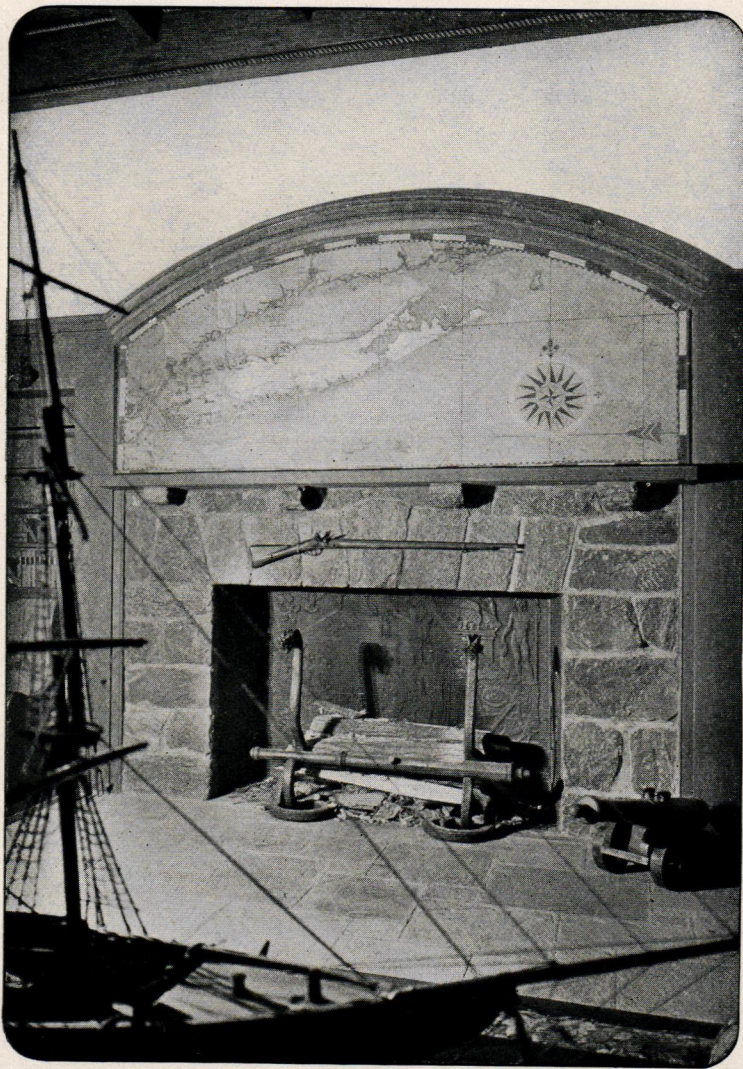
648 Builders' Bldg.  
CHICAGO

622 Construction Industries Bldg.  
DALLAS

1200 Keith Bldg.  
CLEVELAND

# COVERT

*Fireplace Construction*



FIREPLACE IN A BOATHOUSE ON  
LONG ISLAND SOUND  
La Farge, Warren & Clark, Architects

THERE is no surer way to provide for the proper operation of a fireplace than by specifying the Covert Damper and System of Fireplace Construction.

**COVERT**  
FIREPLACE DAMPERS

Write for booklet written for the Architect, giving complete data on Covert System of Fireplace Construction

**The H. W. COVERT COMPANY, 229 E. 37th St., N. Y.**



### Worthy of Your Trust

Experience . . . a true interpretation of your designs . . . a manufactory fortunately situated as to craftsmen and modern equipment—DeLong offers you these advantages in the planning and executing of furnishings for the Fraternal Building. A brochure illustrating Fraternal Building interiors will be gladly sent on request.

*Illustration shows a detail of the Lodge Room, Westfield Masonic Temple, Westfield, N. J. John F. Jackson, New York, Architect*

**DELONG FURNITURE COMPANY**  
1505 Race Street Philadelphia

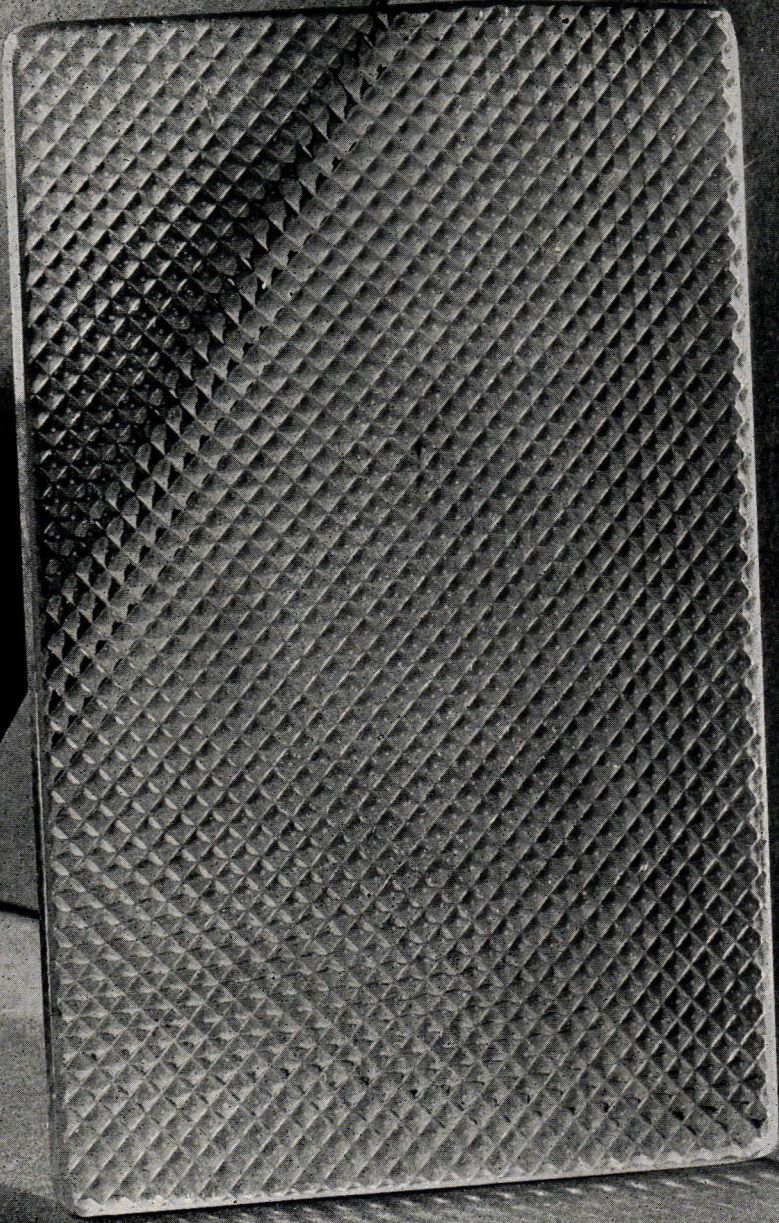
**FURNITURE BY DE LONG**  
FOR CHURCHES ~ FRATERNAL AND PUBLIC BUILDINGS



# AURORA

BEAUTY . . . SIMPLICITY

Plate glass finish . . . uniform quality  
. . . simple . . . scientifically efficient —  
AURORA is designed for doors and par-  
titions in buildings where quality and  
good taste are emphasized without  
sacrificing the proper illumination de-  
manded by modern business.  
Sample upon request.

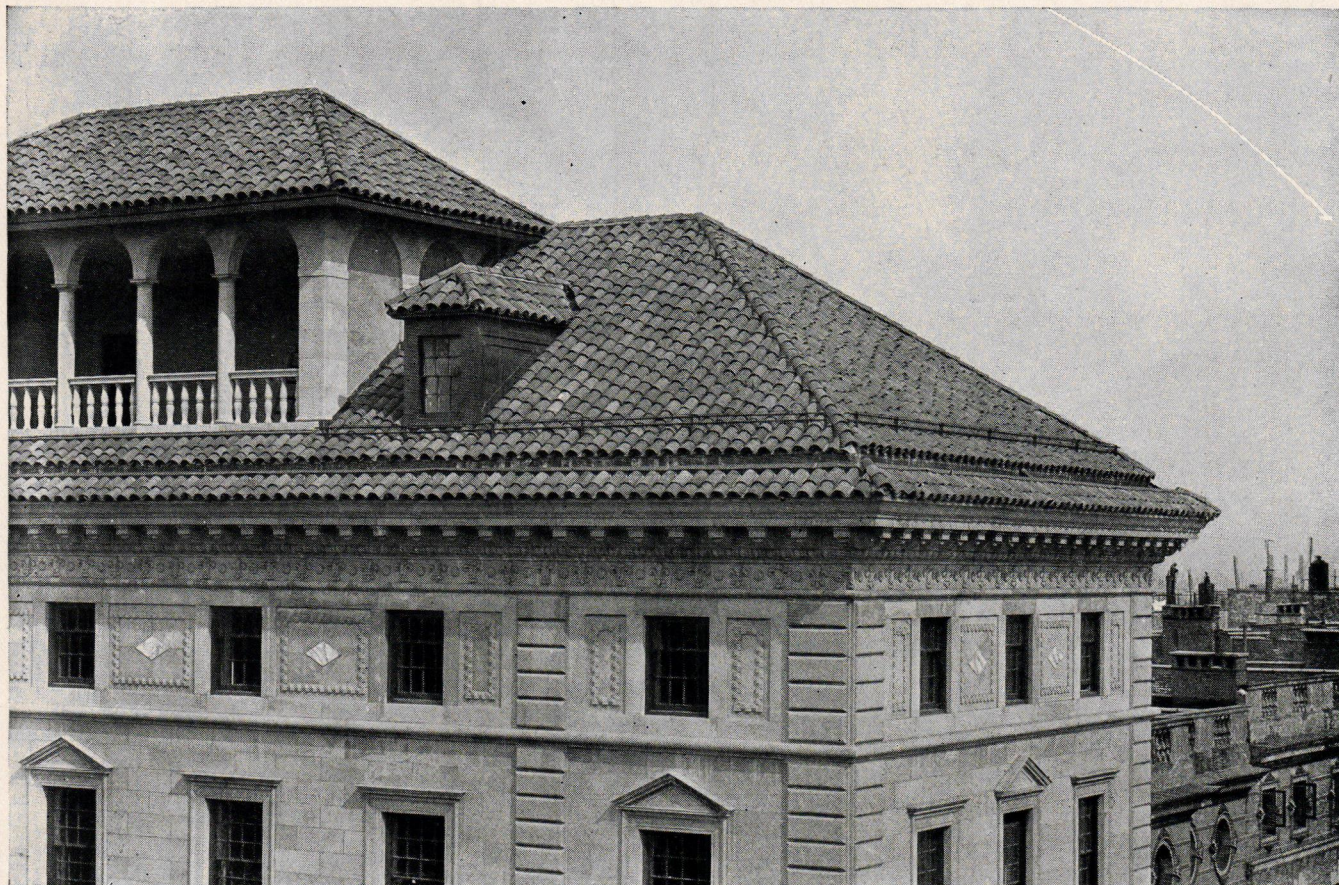


MISSISSIPPI GLASS COMPANY

220 FIFTH AVENUE  
NEW YORK

# The Most Appropriate Roof

FOR STRUCTURES OF ITALIAN INFLUENCE  
ARE THESE REPLICAS OF OLD ITALIAN TILES



CASA ITALIANA, COLUMBIA UNIVERSITY GROUP, NEW YORK CITY. MCKIM, MEAD & WHITE, ARCHITECTS

MCKIM, MEAD & WHITE chose for their distinguished Casa Italiana a roof of IMPERIAL Tapered Mission Tiles . . . Rough in texture and mellow in color, these tiles are accurate reproductions of those laid centuries ago on the palaces of the Medicis . . . In its lasting qualities the roof of the Casa Italiana should rival the ancient tile roofs of the Old World . . . Rarely if ever will it require repairs, nor will its soft, warm hues ever fade.

**LUDOWICI-CELADON COMPANY**  
*Makers of IMPERIAL Roofing Tiles*

CHICAGO: 104 SOUTH MICHIGAN AVENUE

NEW YORK: 565 FIFTH AVENUE

WASHINGTON: 758 FIFTEENTH ST. N. W.

# Reflecting the culture and traditions of Colonial days



The Rice-Tucker Entrance, shown, was designed by Samuel McIntyre of Salem, Massachusetts, who realized to an unusual degree the possibilities of the classic column and entablature. Erected in the year 1800, this entrance so faithfully reflects the culture and traditions of the Early American period, that it is today being preserved in the Essex Institute Gardens.

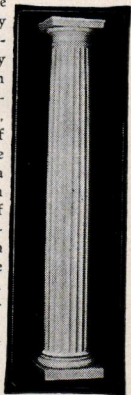


THE RICE-TUCKER ENTRANCE. BUILT IN THE YEAR 1800

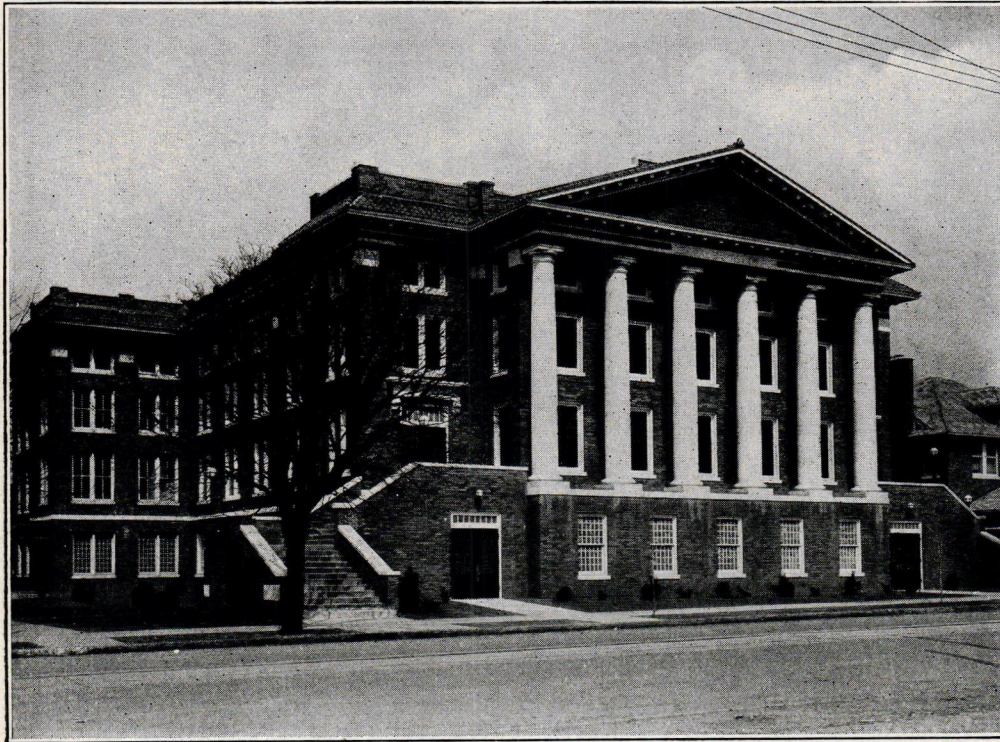


THESE BOOKLETS OF COLUMNS,  
COLONIAL ENTRANCES AND  
GARDEN EQUIPMENT  
SENT GLADLY

The entrance for each home you design can be practically a duplicate of the Rice-Tucker or one of many other famous doorways. In a new booklet, recently published by Hartmann-Sanders, is shown a notable group of such entrances. There are also booklets displaying a complete line of garden equipment, as well as of famous Koll Lock-Joint Columns—the columns which cannot come apart. Write for the booklets. No charge. Hartmann-Sanders Co., Factory and Showroom: 2153 Elston Ave., Chicago. Eastern Office and Showroom: Dept. S, 6 East 39th St., New York City.



**HARTMANN - SANDERS**  
 PERGCLAS      ROSE ARBORS      COLONIAL ENTRANCES      GARDEN EQUIPMENT      KOLL COLUMNS



CENTRAL  
BAPTIST  
CHURCH  
Decatur  
Alabama



THE RUDOLPH WURLITZER CO.

It gives me pleasure to unhesitatingly endorse the Wurlitzer organ which you installed for me in the Central Baptist Church of Decatur. It is a marvel in tone, and the combinations are almost limitless. The Chimes and Vox Humana in the Echo Organ, which is most uplifting, are outstanding in their beauty. Was much perplexed as to what organ to purchase but am convinced that I made no mistake in the selection of a Wurlitzer. The business relation with the representatives of the Company was most pleasant. Everyone who hears it is delighted with it.

With all good wishes,  
Cordially,

*Mrs. H. H. Simpson.*

## The Rudolph Wurlitzer Company

FACTORIES: NORTH TONAWANDA, N. Y.

NEW YORK  
120 W. 42ND STREET

CINCINNATI  
121 E. FOURTH STREET

CHICAGO  
329 S. WABASH AVE.

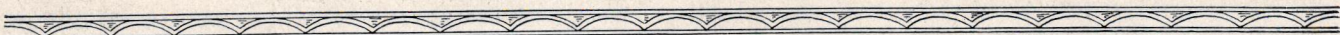
LOS ANGELES  
816 S. BROADWAY

SAN FRANCISCO  
250 STOCKTON STREET

BUFFALO  
674 MAIN STREET

PHILADELPHIA  
1031 CHESTNUT STREET

BOSTON  
120 BOYLSTON STREET

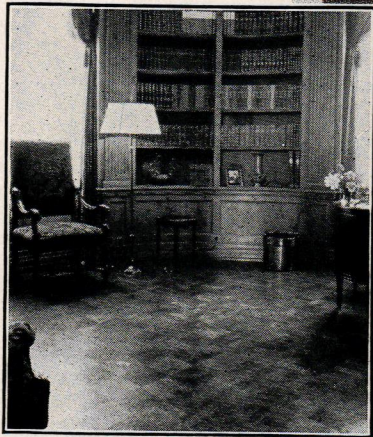
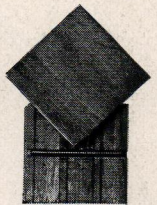


# A Flooring Achievement

*The ideal floor for style, beauty, cleanliness, and durability . . .*

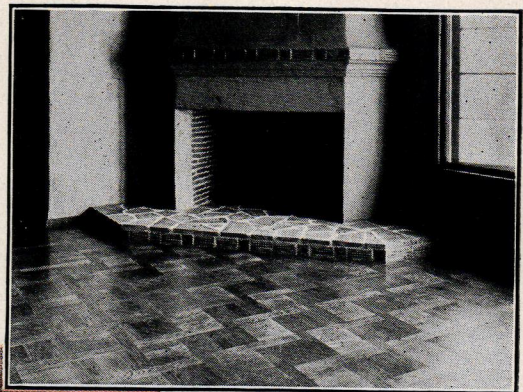
\*CELLized Oak Floor Blocks now adorn every type of building from modest home to imposing skyscraper. In apartments, hotels, offices, display rooms, hospitals, schools, churches, clubs, this exquisite flooring adds distinction and charm at a cost no more than perishable floor coverings.

Each block is a complete square unit of three or more oak flooring strips,  $\frac{13}{16}$ -in. thick, splined together. Laid in EVERBOND, a plastic cement, directly over concrete, without nails. The blocks are \*CELLized to reduce the tendency to change in size, and to guard against insect attacks and decay. Comfortable under foot; sound-deadening. Write for specification data and full information.



Architects may now specify a floor, whose application is handled by trained specialists, and guaranteed by us, when laid by licensed \*CELLized oak flooring contractors.

Three sizes—6 $\frac{3}{4}$ " 9" and 11 $\frac{1}{4}$ " blocks; all grades. May be laid in regular or half center square patterns, or diagonally, with wing blocks for border. Also in combinations of walnut and maple squares.



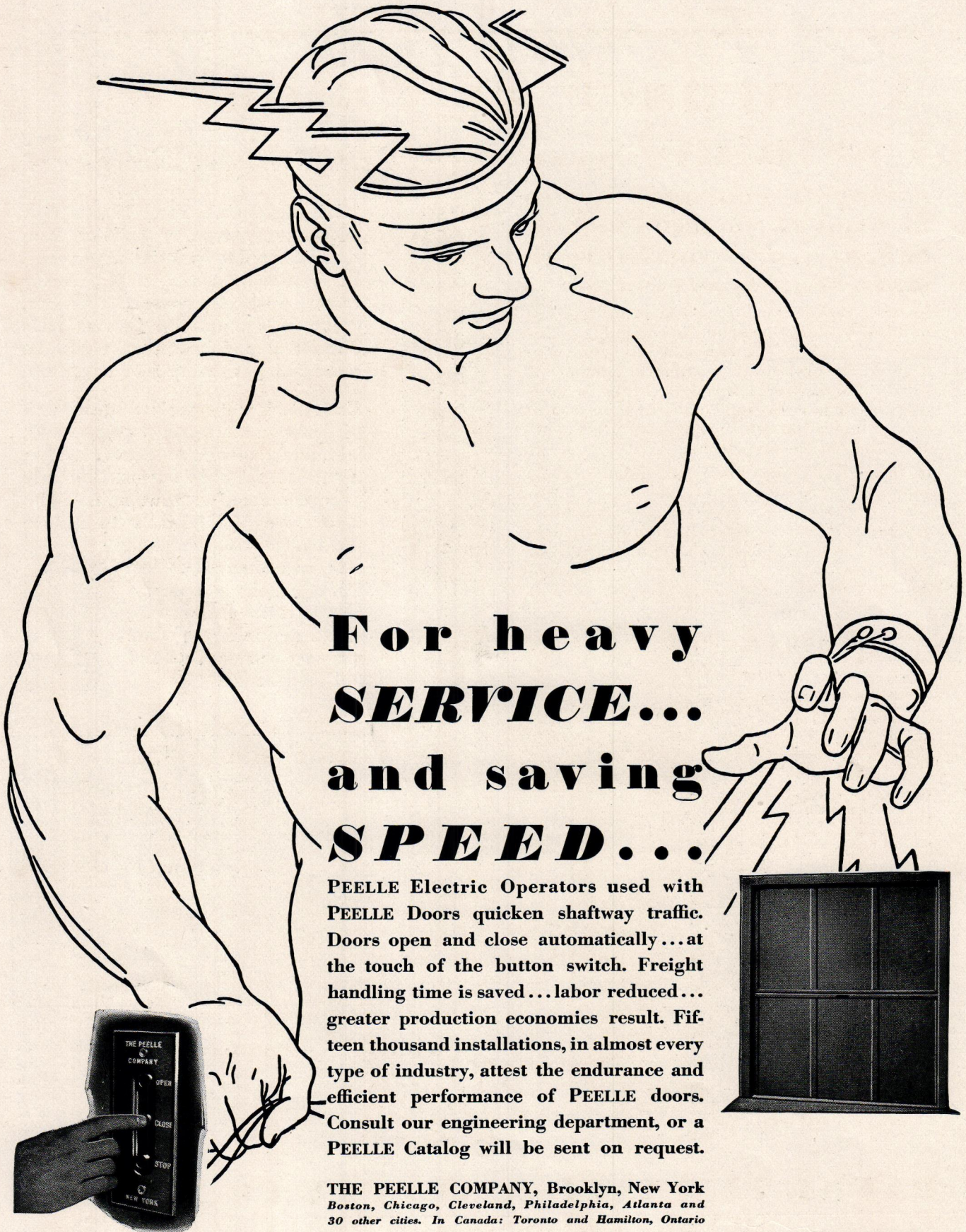
\*CELLized oak floor blocks are guaranteed by \*CELLized Oak Flooring Inc. when laid by Licensed Flooring Contractors. The names of those licensed to use this label in your locality will be supplied upon request.



\*CELLized planks and strip flooring are obtainable through licensees of \*CELLized Oak Flooring Inc.

\*CELLized oak floor blocks are sold through lumber dealers everywhere; manufactured by E. L. BRUCE COMPANY . . . Memphis, Tenn. NASHVILLE HDW. FLOORING CO., Nashville, Tenn. THE LONG-BELL LUMBER CO., Kansas City, Mo. ARKANSAS OAK FLOORING CO., Pine Bluff, Ark.

**\*CELLized Oak Flooring Inc.**  
MEMPHIS — TENNESSEE



**For heavy  
SERVICE...  
and saving  
SPEED...**

PEELLE Electric Operators used with PEELLE Doors quicken shaftway traffic. Doors open and close automatically...at the touch of the button switch. Freight handling time is saved...labor reduced...greater production economies result. Fifteen thousand installations, in almost every type of industry, attest the endurance and efficient performance of PEELLE doors. Consult our engineering department, or a PEELLE Catalog will be sent on request.

THE PELLE COMPANY, Brooklyn, New York  
Boston, Chicago, Cleveland, Philadelphia, Atlanta and  
30 other cities. In Canada: Toronto and Hamilton, Ontario

**PEELLE** Freight Elevator **DOORS**

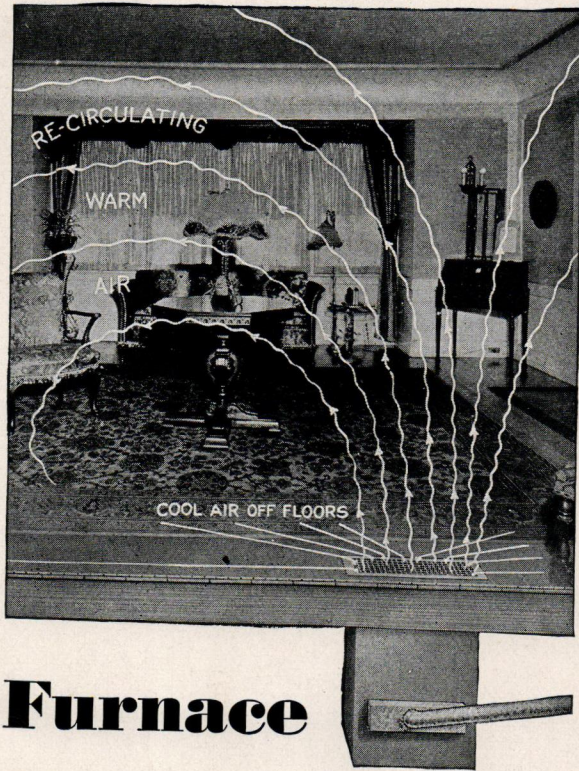
*"The doorway of America's freight elevator traffic"*

# A Furnace of Unlimited Usefulness...

*compact, economical... can be used as the main source of heat... or as auxiliary to main heating system...*

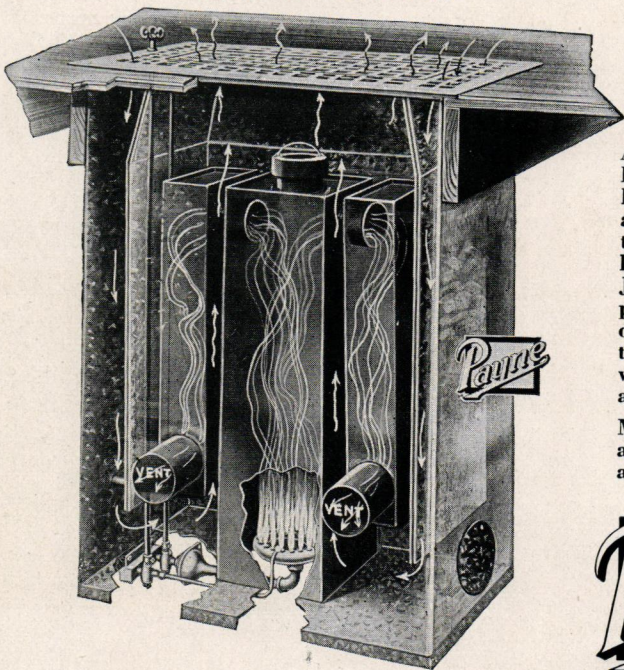
In any residential or commercial type of building — large or small, new or old — this Payne Gas Floor Furnace can be installed in 6 to 12 hours' time. Cottages, bungalows, stores, offices, banks, hospitals, clubs, schools and restaurants — with or without basement — can be heated comfortably and healthfully at a minimum of expense.

In larger buildings where the main heating system is already installed, this type of furnace is the ideal auxiliary — providing quickly additional heat during unusually cold weather and for taking the chill from cold rooms during late Spring and early Fall when the main heating system is not in use.



## Payne Gas Floor Furnace

*Write for Bulletin No. 4-A*



***Just Turn the Key ...  
Have Heat Instantly!***

At the left is illustrated a cross section of a typical Payne all-welded, gas-tight Floor Furnace with pilot light and detachable key for manual control. It is also available with electro-manual spark lighter, electric push button, or with thermostat control. The heating element is made of pure, rust-resisting iron. Joints and seams welded by the oxy-acetylene process, providing one-piece construction. No fumes. No danger. Fresh, pure, warm air in constant circulation. No other floor furnace has so many features which have met with the universal endorsement of architects and builders.

More than 40,000 Payne Furnaces are now in operation, built and guaranteed by a leader in gas appliance manufacture for more than fourteen years.



### **Payne Heat**

- Factory Units*
- Unit Furnaces*
- Floor Furnaces*
- Central Furnaces*
- Pipeless Wall Units*
- Industrial Installations*

**PAYNE FURNACE & SUPPLY CO., Inc.**  
**BEVERLY HILLS, CALIFORNIA**

THERE IS A "PAYNE HEAT" SYSTEM FOR EVERY BUILDING AND CLIMATE

# HIGH EARLY STRENGTH

HERE'S a typical example of the way contractors are getting High Early Strength concrete—without paying a premium—by using Coosa high test cement.

On March 13th the first concrete was poured. On June 1st this imposing twelve-story Apartment Hotel was finished, except for the interior fittings.

"We originally intended the use of a high early strength cement on account of the short time allowed for the completion of this project but, after a thorough investigation, decided to use your Coosa brand. And we found, says the Angle-Blackford Co., that Coosa developed high early strength concrete which enabled us to complete the building in record time."



Angle-Blackford Co. (Greensboro, N. C.) contr's; Marr & Holman, Nashville, architects; W. L. Hailey & Co., COOSA dealers in Nashville.



ANGLE-BLACKFORD COMPANY  
GENERAL CONTRACTORS  
GREENSBORO, N. C.  
July 12, 1929



National Cement Company,  
Birmingham, Alabama.

Att'n: Mr. Geo. White, Sales Mgr.

Gentlemen:

We are writing you to express our opinion of "Coosa" cement which was used in the construction of the James Robertson Apartments for Fritchett-Thomas Company, Nashville, Tenn. As you will recall, we entered into a contract with the Owners to complete this structure in a little more than six months. In order to expedite the completion of the frame, we originally contemplated the use of an expensive, high-early strength cement, but after a thorough investigation, decided to use "Coosa".

The first concrete for this frame was poured on March 13, 1929. The last batch was poured on the roof on May 8, 1929. It is needless to comment further on this time, as only forty-nine working days (without allowance for bad weather) were required for the completion of the concrete. Furthermore, the Architects, Marr and Holman, Nashville, Tenn., and the Owners, are highly pleased with the quality of concrete obtained.

We found that "Coosa" delivered everything you claimed for it, and our experience on this job has been more than satisfactory.

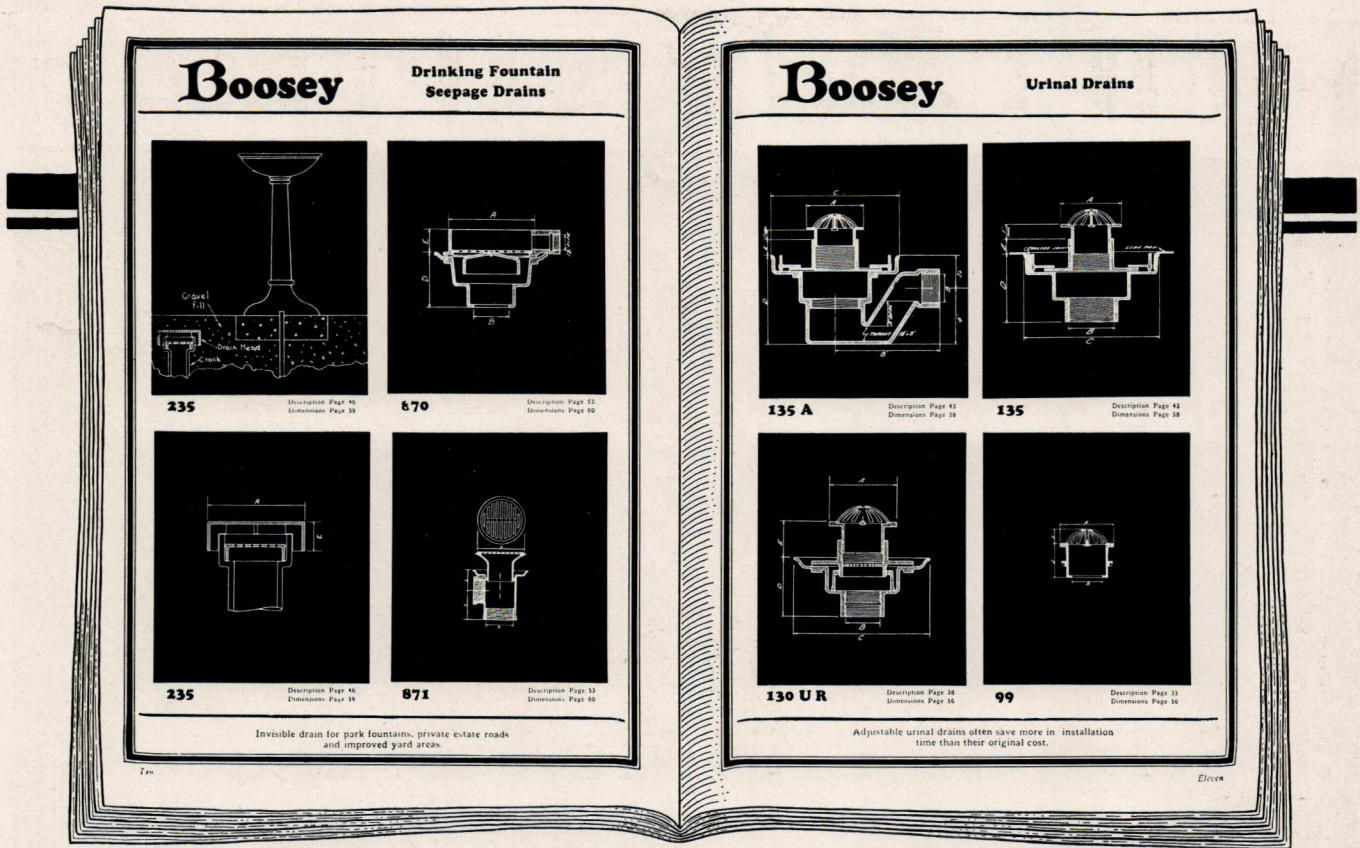
Yours very truly,  
ANGLE-BLACKFORD COMPANY

By: *R. M. Grady*

McG:T

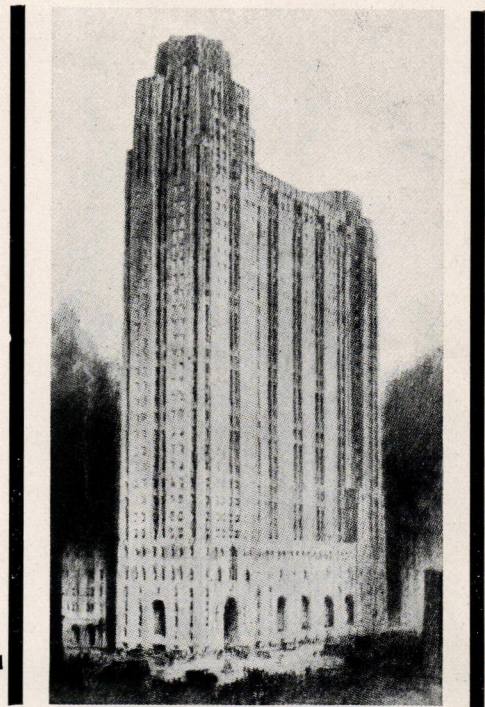
NATIONAL CEMENT COMPANY  
The Independent Southern Company  
BROWN-MARX BUILDING ~ ~ BIRMINGHAM





This catalog contains 70 pages of drainage information for specification writers, draftsmen, architects' superintendents and plumbers' foremen. It gives complete detail, description and measurements of the entire line of Boosey Drainage Specialties. It is free, of course, and will gladly be sent upon request.

**B**OOSEY Drainage Specialties prove worthy of the ever important part they play throughout the life of any building. Boosey Drainage Specialties are installed in the New Union Trust Building at Detroit.



**NORMAN BOOSEY MANUFACTURING CO.**

5140 Hamilton Avenue

Detroit, Michigan

Chicago Office: 416 Milwaukee Avenue

There is plenty  
of No. 1 Buff..  
We have ample  
supplies of this uni-  
form creamy white  
Indiana Limestone,  
termed Buff—the  
market's highest grade  
for 72 years—a stone  
that likes flood lighting  
—whose tone is uniform  
and light—a stone that empha-  
sizes the vertical lines charac-  
teristic of modern design—that is instinct with  
life, warmth and attractiveness—and  
we have two billion feet—all grades!



**VICTOR**  
OOLITIC STONE CO.  
Bloomington Indiana

# 1-

## COLD AIR SHOE

*It meets all the requirements of the ordinary cold air shoe. The pans are so spaced that full unobstructed air passage is provided.*

# 2-

## AIR CLEANER

*The water pans placed staggered forces all the air to brush over the water which catches the dust and lint.*

*Each pan has an overflow which drains all surface water to pans below on down to the large pan at the bottom which also has overflow.*

# 3-

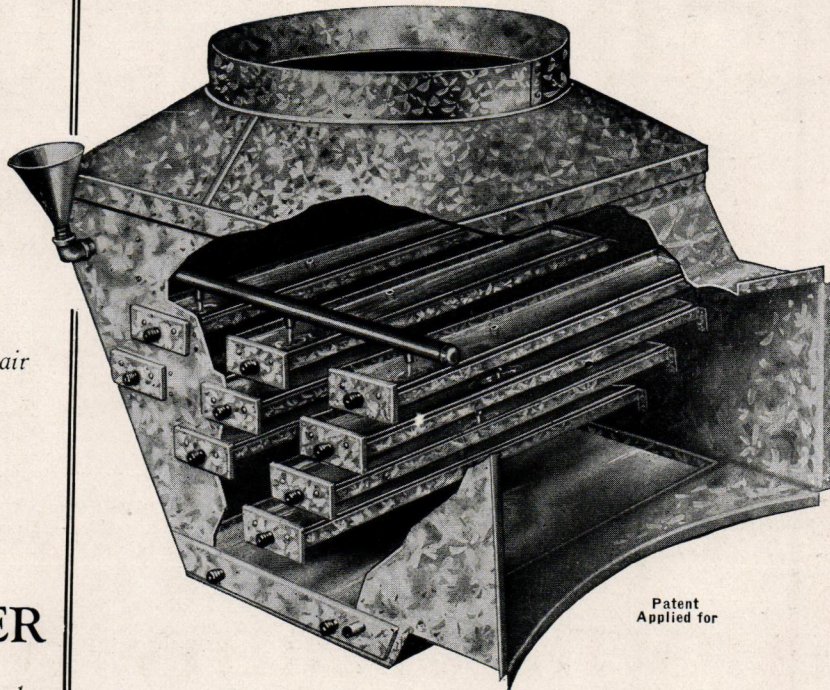
## HUMIDIFIER

*Unlike all other humidifiers this one is in the COLD AIR.*

*Humidification is by absorption--not evaporation.*

*The air passing over the water absorbs the needed moisture.*

*The pans slide out easily for cleaning or inspection and are easily filled.*



# Something New For Better Warm Air Heating

EVERY job needs a cold air shoe—now with this new combination Cold Air Shoe, Air Cleaner and Humidifier you give your customers proper humidification and an air cleaner at a surprisingly low cost.

No more work for you to install but a much better profit because your prospective customers can see this practical idea readily.

This new Handy invention will help you sell more and better warm air heating installations.

*Write for prices and full descriptive matter today*

**F. MEYER & BRO. COMPANY**  
PEORIA, ILLINOIS

**HANDY** FURNACE PIPE, REGISTERS; FITTINGS  
*All Warm Air Heating Supplies*

# The Bath of the Future

## The Combination Bath Tub

*Regular Bath, Shower Bath, Seat Bath, Foot Bath, Child's Bath. All in one piece, Patented*

*Semi-Vitreous Porcelain and Enameled Iron Ware*

### Its Advantages:

- A Seat, Foot, Shower and Child's Bath, all in one.
- Comfortable because the bather assumes a sitting position.
- Easy operation of valves.
- No grip rails needed.
- Saves space. Size of Bath Tub, 44 x 30 inches.
- For tiling in recess or corner of room.

*Write Us for Descriptive Booklet Giving Measurements and Other Details and Testimonials*

LOUIS G. DITTOE  
ARCHITECT  
1106-7 INGALLS BUILDING  
CINCINNATI, OHIO

Cincinnati, Ohio.  
December 5, 1928.

Wheeling Sanitary Mfg. Co.,  
315 Wrigley Building,  
Chicago, Illinois.

Attention Mr. F. W. Wheelock.

Gentlemen:

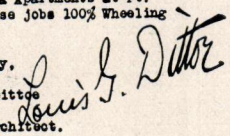
I wish to take occasion to compliment you upon your new combination shower and bath tub fixture, sixty-eight of which I recently had installed in the new St. James efficiency apartments in this city, and fifty-nine in the Auburn Apartments this city.

While these buildings have been completed for occupancy but a few months they are substantially 100% occupied, which success, I believe, is due largely to these plumbing installations, as practically all the tenants express themselves as being much pleased with this feature.

Considering the satisfaction that these installations are giving, I have just contracted for eighteen similar installations for the new Alma Apartments at Ft. Mitchell, Kentucky, making all of these jobs 100% Wheeling Sanitary Mfg. Co.'s installation.

Yours very truly,

Louis G. Dittoe  
Architect.



LGD:VF

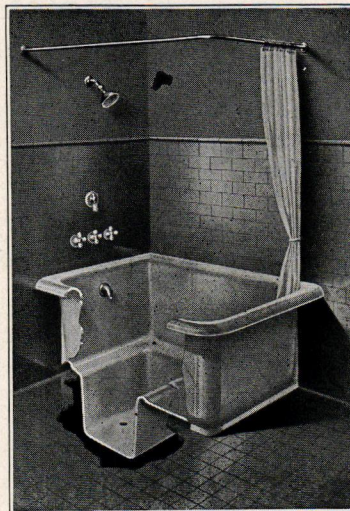


PLATE 11-E  
Enameled Iron Ware, 44x30 ins. to tile in right or left hand corner. Enameled white all exposed parts. Same as Plate 10-E except for corner installation.

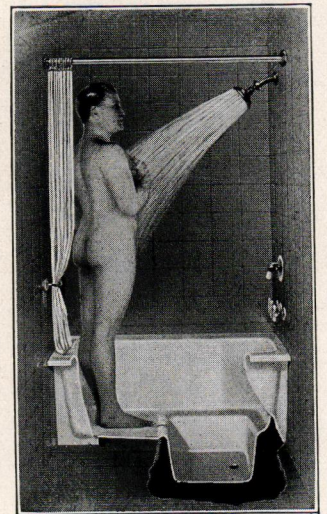


PLATE 10-E  
Enameled Iron Ware, 44x30 ins. to tile in recess, only. Enameled white front. Waste in foot section either right or left hand end.

**100%**

**Wheeling Sanitary Mfg. Co.'s Installations**

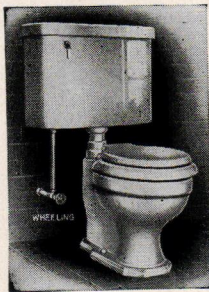


Plate 126-E "The Tranquill" all white Syphon Jet Water Closet Combination.

We manufacture a complete line of Plumbing Fixtures of Vitreous China, Enameled Iron, Semi-Vitreous Porcelain, comprising Water Closet Bowls and Flush Tanks, Lavatories, Regular Bath Tubs, Kitchen Sinks, Laundry Trays, Urinal Stalls, etc.

**WHEELING SANITARY MFG. CO.**  
**WHEELING, W. VA.**

*Manufacturers of High Grade Plumbing Fixtures*

Sold by Leading Jobbers of Plumbing Supplies

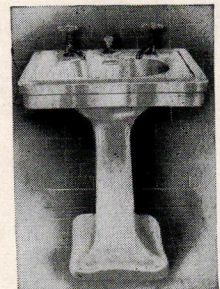
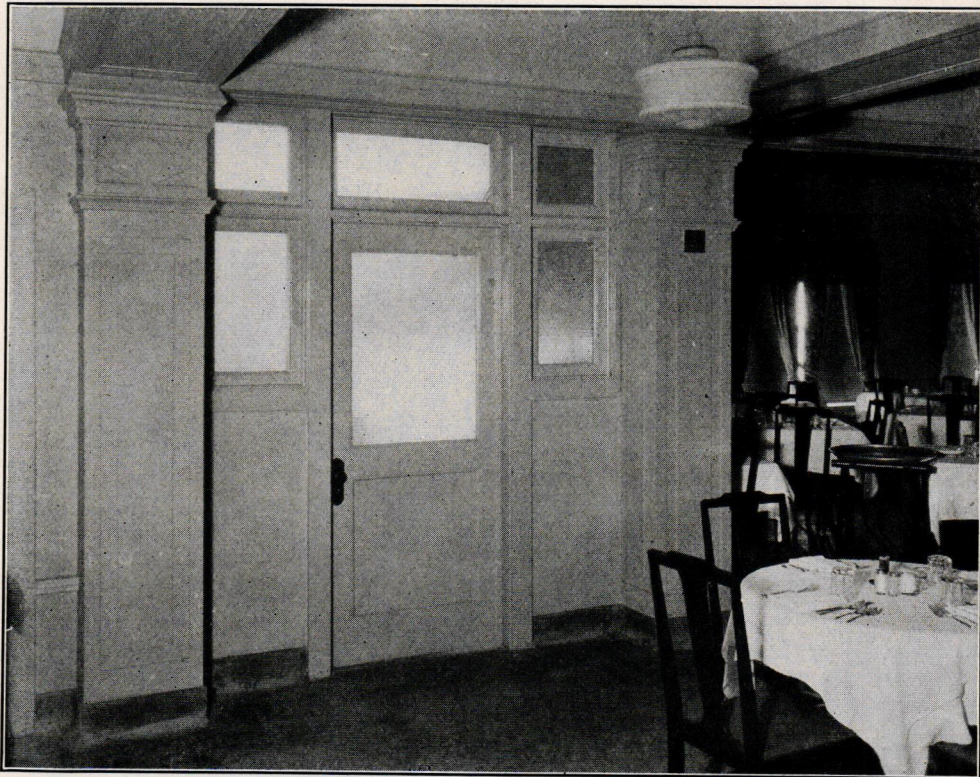


Plate 100-E Lavatory on Pedestal. Two — 24x20 ins. and 26x22 ins.

# *Galvannealed*

“The Coated Sheet Without a Flake.”

A Spelter Alloy Coated Sheet Metal Individually  
 Best Suited for  
**FIRE DOORS & EXTERIOR DOORS & TRIM.**



Acceptable to the Board of Underwriters.

The Coating Does Not Flake or Peel When Fabricating the Metal. Paints  
 Enamels and Lacquers Adhere Firmly to this Sheet--Which  
 Can Not Be Said of a Galvanized Sheet.

Manufactured by

**The Superior Sheet Steel Co.**

Division of Continental Steel Co

Canton, Ohio

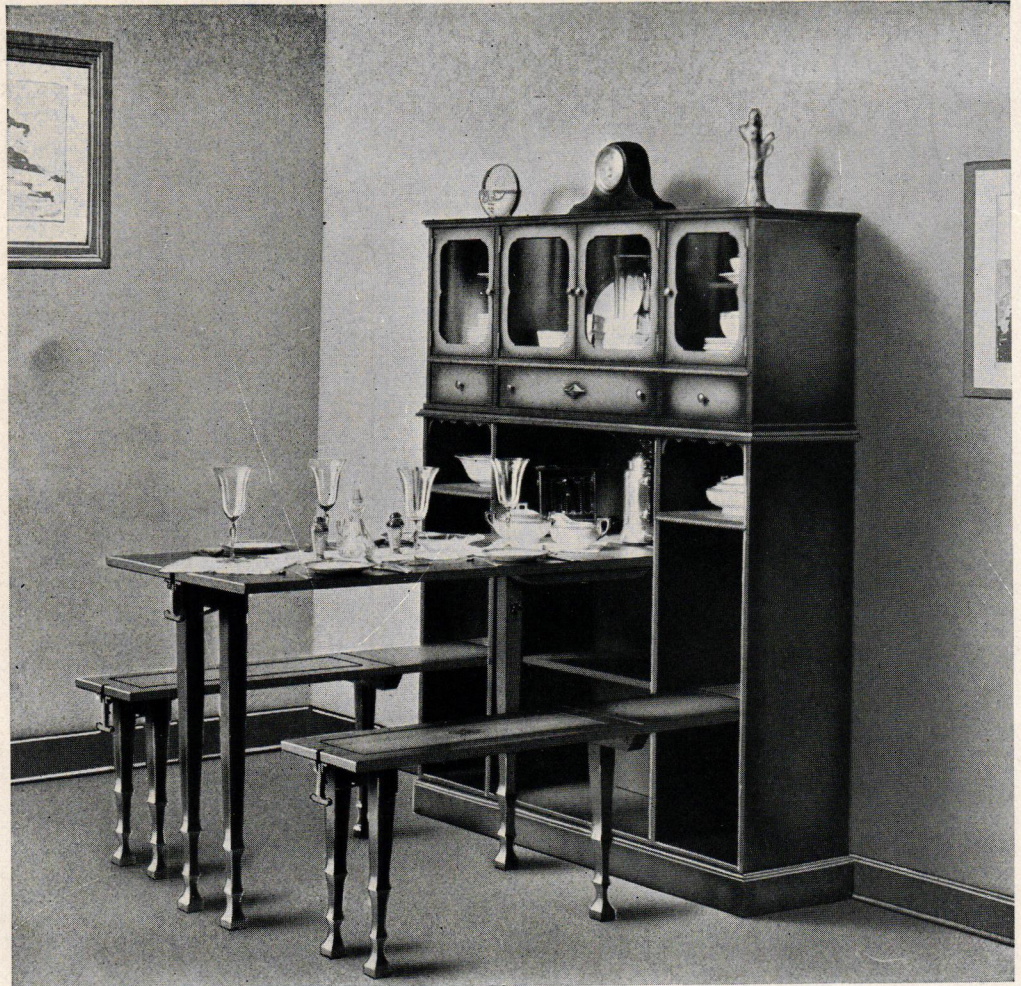
Makers of  
 Galvanized Long-terne  
 & Super-Metal  
 Sheets.

# beauty - strength - utility

**E**QUALLY appropriate in kitchen, kitchenette, dining alcove or efficiency apartment living-room, the **EASY-FOLD** is the one unit that meets the builder's every requirement.

There is a wide selection of patterns and finishes — and most **EASY-FOLD UNITS** are so designed that they may be built in or not, as desired.

Attractive, compact, convenient, it is an effective sales aid.



## .....No. 5024.....

Where maximum accommodation is required No. 5024 is recommended. The China Cabinet accommodates a full set of dishes and glassware; the drawers provide for cutlery, linens and silverware.

The space above the benches may be used for additional china, electric toaster, percolator, grill, etc. Canned goods and utensils may be stored below, concealed from view when the case is closed.

Nos. 3024, 2024 and 2524 are especially designed to meet other individual requirements. Send for illustrated booklet giving complete information on all **EASY-FOLD UNITS**—“One for Every Home.”

*Attractive proposition for salesman and dealers in territories still open*

**SCHIMMEL & COMPANY, Inc.**

FARIBAULT, MINNESOTA

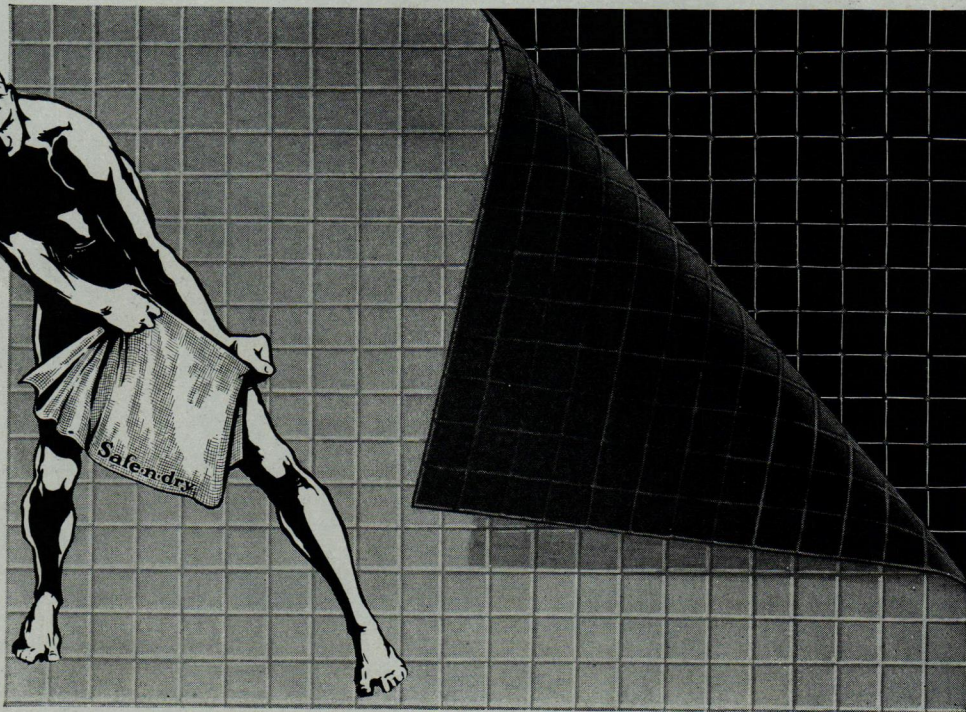
Manufacturers of

# EASY-FOLD

Patents Pending

Breakfast and Dinette Sets

Just  
try  
to  
tear  
it  
!



# Safe-n-dry

“Non-tearable Asphalt Blanket”

## Beyond COMPARISON or COMPETITION

Safe-n-dry is indeed so superior to any other type of building paper made—that those architects, contractors and builders who first tested it in their work, now use it exclusively, on every type of construction.

Aside from its non-tearable feature—this cushion-like, airtight blanket, chock full of waterproofing asphalt must be given first choice wherever perfect protection is desired.

Safe-n-dry is not only “more than waterproof, weatherproof, damp-proof, and rain-proof,” but it is also impenetrable to wind, air, smoke, odors, frost, mildew, summer heat, winter cold, and vermin. Rats and mice dislike asphalt and will not gnaw through this heavy asphalt blanket.

Safe-n-dry bends and creases without cracking; conforms readily to odd shapes in construction; withstands any amount of abuse by man, wind or weather, without losing its waterproofing qualities.

Sold generally by lumber and hardware dealers in rolls 36 inches wide, containing 500 sq. ft. Half rolls of 250 sq. ft. Special widths to order. If your dealer does not sell Safe-n-dry, include his name and address in the coupon.

Safe-n-dry is used under clapboards, shingles, roofing, stucco, brick veneer, and between studs in back plastering; under floors to keep out dampness and prevent buckling. Also used as a protective covering for cement work, open trenches, building materials, etc., after which it can be again used for its original purpose.

Safe-n-dry is moderately priced, clean to handle, saves time and labor, one man can apply it; requires no cleats to hold it in place.

*Generous sample test sheets are yours on request—  
with prices and literature. Mail the coupon NOW.*

**Safepack Mills Inc.**  
Millis Massachusetts

SAFEPACK MILLS, Inc.  
Millis, Mass.

Gentlemen:

Kindly send complete information on your  
extraordinary new Safe-n-dry Building Paper.  
S.A.B.A.

Firm Name.....  
Street..... City.....  
Dealer's Name.....  
Address .....



Right, The Watts Bldg.; Warren, Knight & Davis, archts.; Chas. M. Allen & Sons, contrs. Left, The Protective Life Bldg.; same architects; Foster-Creighton Co., contractors.

**BASIC  
SLAG**  
*For better  
Concrete*

## Secured by a rugged frame of Steel and *reinforced slag* concrete

THE two most important units in Birmingham's twenty-million-dollar building program last year—the 16-story Watts Building and the 14-story skyscraper home of the Protective Life Insurance Co.—are exactly alike in the most important details of construction.

**The rugged steel frame is encased in slag concrete. The roof slabs and floors are reinforced slag concrete. The "Backup walls" are SlagTex (concrete) Pressed Brick—making the entire structure completely fireproof!**

Other large structures included in Birmingham's 1928 building program are (1) The Six-story Birmingham-National Garage (2) Half-million-dollar Annex to Hillman Hospital (3) Six-story home for Hillman Hospital Staff (4) New five-story fire-proof home of The Parisian Co. (5) Southern Life & Health Insurance Building.

### **Birmingham Slag Company**

*Slag Headquarters for the South*

ATLANTA    THOMASVILLE    BIRMINGHAM    MONTGOMERY    JACKSONVILLE    OCALA

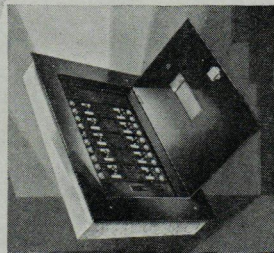


# An Astonisher!

—for architects

This idea of “no maintenance” is an astonisher for most architects in regards to the new **FA** Panelboards. Very few products in the up-to-date building can honestly make this claim —and make good on it!

It is sturdy construction, right design and high quality materials that make **FA** Panelboards last as long as the buildings in which they are installed. There is a reason for every day of life-long service of these units.



Do not overlook either that standardization of steel cabinet with the standardized panelboard reduces detail in specifying and installing and makes your panelboard job as simple as possible. Send for the new **FA** Catalog. Nothing finer has ever been prepared on panelboards.

**Frank Adam**  
ELECTRIC COMPANY  
ST. LOUIS

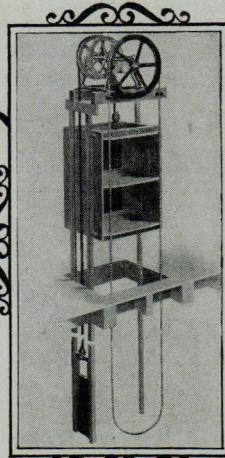
DISTRICT OFFICES

- |                     |                       |
|---------------------|-----------------------|
| Atlanta, Ga.        | Memphis, Tenn.        |
| Baltimore, Md.      | Minneapolis, Minn.    |
| Boston, Mass.       | New Orleans, La.      |
| Buffalo, N. Y.      | New York, N. Y.       |
| Chicago, Ill.       | Omaha, Neb.           |
| Cincinnati, Ohio    | Philadelphia, Pa.     |
| Dallas, Texas       | Pittsburgh, Pa.       |
| Denver, Colo.       | San Francisco, Calif. |
| Detroit, Mich.      | Seattle, Wash.        |
| Jacksonville, Fla.  | Tulsa, Okla.          |
| Kansas City, Mo.    | Vancouver, B. C.      |
| Los Angeles, Calif. | Winnipeg, Man.        |

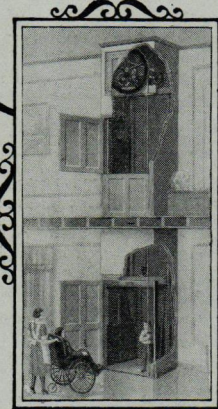


## SEDGWICK DUMB WAITERS and ELEVATORS

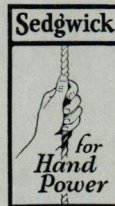
*For all  
purposes*



*Geared Automatic  
Brake Dumb Waiter  
Type "EDCG"*



*The Sedgwick  
Invalid  
Elevator*



**T**WO of the many types of Sedgwick Hand Power Dumb Waiters and Elevators are illustrated above. Twenty-one standard types are available for immediate shipment, while special equipment is expertly, economically and promptly built to meet unusual requirements.

*Early Consultation Advisable*

Consultation with us when plans are being drawn will assure selection of and provision for the equipment best adapted for complete satisfaction and economy in use.

*Write for New Catalog*

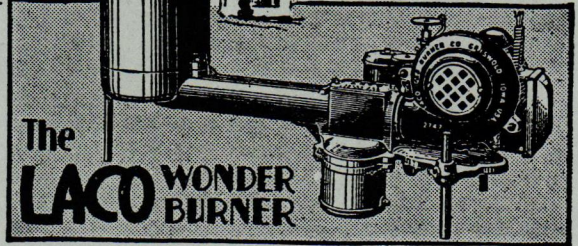
SEDGWICK MACHINE WORKS  
163 West 15th Street, New York

**SEDGWICK SERVICE SATISFIES**

# OIL HEAT



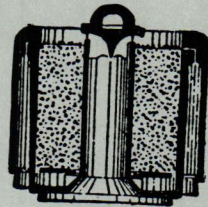
A **LACO** for **EVERY HOME**



## AMAZING- Revolutionized!

### Oil Gas Burner

Jumps from 68<sup>th</sup> to 9<sup>th</sup> Place in Sales Almost Overnight



**ONLY BURNER, SO EQUIPPED!**

by **EXCLUSIVE PATENTED MINERAL WICK!**

At last the oil burner industry's greatest problem is SOLVED! Waste of oil is eliminated! The **INDESTRUCTIBLE Mineral Wick**, exclusive feature of the Laco, only Wick-Type Burner on the market, does it! Now, **LOW OPERATION COST** is combined with **LOW INITIAL COST!**

### LACO Burner Places Oil Heat Within Reach of Rich and Poor

Here is the Ford of Oil Burners. It's the first and only burner to use an age-old practical principle others overlooked. It now cuts the cost of an oil-heat system to a fraction of present oil burner prices! By burning **AIR** and **OIL** it eliminates waste, incombusted and unburned gas, and **SOLVES THE FUEL COST PROBLEM!**

### Dealers Wanted Quick

Preferably rated men—but also the man who will invest a small capital in demonstrators—then get out and **SELL**. If this description fits **YOU**, we will offer you an opportunity **BIG ENOUGH FOR ANY MAN.**

**No More Fires to Build, Dirty, Heavy Coal to Carry** You've adopted the radio, vacuum cleaner, automobile. Why continue the drudgery of ancient coal and wood heat? Our easy purchase plan enables you to have comfort and convenience in your home this very year!

## FITS ANY FURNACE or STOVE

### The LACO WONDER BURNER

The Laco Oil-Gas Burner in one minute turns your present hot-air furnace, steam-heating or vapor-heating plant, kitchen range, parlor furnace, etc., into a modern up-to-date oil heating system!

### Same Even Heat Day or Night

Automatic temperature control. Operates quietly. Nothing to adjust. It's installed and you forget about it. Designed to last a lifetime. Guaranteed. Complies with all ordinances. Actually safer than the ordinary gas range used in a kitchen!

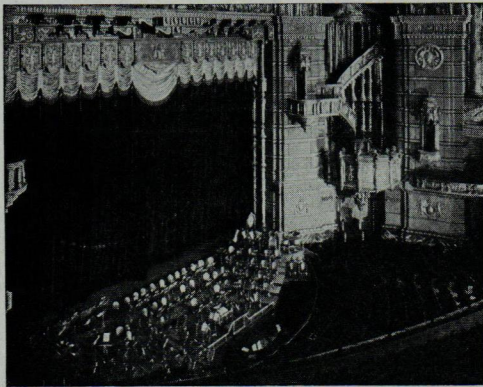
### MAIL THIS COUPON ~

**Sold on Easy Terms**  
Now—once and for all time—end ashes, dirt, smoke, odor, chopping, shoveling, carrying dirty, heavy coal and wood. The Laco does it for you.

**Write for Details and Special Introductory, Low-Price Offer**  
Tell type of heating system you now have. Special offer if you mail the convenient coupon now!

**LACO OIL BURNER CO.**  
2002 Union Street, GRISWOLD, IOWA

Laco Oil Burner Co., 2002 Union Street, Griswold, Iowa.  
Send facts about your burner, the new Mineral Wick and Special Low-Price Offer.  
Name .....  
St., or Rt. ....  
Town ..... State.....  
Kind of heating system I now have.....  
.....



ROXY THEATRE, NEW YORK  
ORCHESTRA, CONSOLE ELEVATORS AND  
COUNTERWEIGHT SYSTEM

*Some of Our Southern Installations*

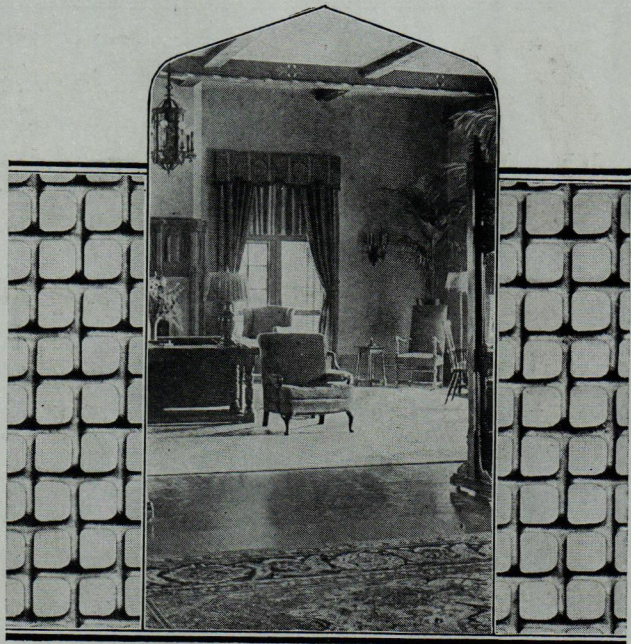
- Olympia Theatre . . . . . Miami, Fla.
- Carolina Theatre . . . . . Greenville, S. C.
- Texas Theatre . . . . . San Antonio, Tex.
- Metropolitan Theatre . . . . . Houston, Tex.
- Worth Theatre . . . . . Ft. Worth, Tex.
- Dallas Theatre . . . . . Dallas, Tex.
- Coral Gables Theatre . . . . . Coral Gables, Fla.
- Coral Gables Coliseum . . . . . Coral Gables, Fla.
- Saenger Theatre . . . . . New Orleans, La.
- Miami Beach Garden . . . . . Miami, Fla.
- Midland Theatre . . . . . Kansas City, Mo.
- Missouri Theatre . . . . . St. Joseph, Mo.
- Rialto Theatre . . . . . Omaha, Neb.
- Riviera Theatre . . . . . Omaha, Neb.
- Alabama Theatre . . . . . Birmingham, Ala.
- Capitol Theatre . . . . . Atlanta, Ga.
- Palace Theatre . . . . . Atlanta, Ga.
- Carolina Theatre . . . . . Charlotte, N. C.
- Carolina Theatre . . . . . Greensboro, N. C.
- Florida Theatre . . . . . Jacksonville, Fla.
- Jefferson Theatre . . . . . Beaumont, Tex.
- Loew's Theatre . . . . . Houston, Tex.



ORCHESTRA and CONSOLE ELEVATORS  
 ASBESTOS and STEEL CURTAINS  
 COUNTERWEIGHT SYSTEMS  
 DRAW CURTAIN TRACKS  
 MECHANICAL EFFECTS

**Peter Clark, Inc.**

534-50 W. 30th Street  
New York City



# You Know There's Clinton Underneath

YOU can't fail to notice a real plaster job. And you know that a good job is only possible with good lath.

Clinton Lath is good lath.

It is woven of finely tempered wire of uniform tensile strength into a close, even mesh. It lays evenly, provides a double key irrespective of the trowel stroke and stands up to be worked against.

While you only see the outside surface of plaster, you are pretty certain that if it is good, quality extends right back to the foundation. Chances are the foundation is Clinton.

Let us send you descriptive literature.

See Sweet's Architectural and Engineering Catalogs for Specifications

WICKWIRE SPENCER STEEL CO.

45 East 42nd Street, New York, N. Y.

|           |               |             |
|-----------|---------------|-------------|
| Worcester | Chicago       | Los Angeles |
| Buffalo   | Atlanta       | Seattle     |
| Cleveland | San Francisco | Portland    |



CLINTON WIRE LATH

*Announcing the Organization of*  
**Reliance Bronze & Steel Corporation**

MANUFACTURERS OF

**Ornamental Bronze, Hollow Steel and  
Metal Covered Products**

*A Consolidation of*

RELIANCE FIREPROOF DOOR CO.  
Brooklyn, New York

KNOBURN PRODUCTS CORPORATION  
Hoboken, New Jersey

UNITED PRESSED STEEL PRODUCTS CORPORATION  
College Point, Long Island

---

Recognizing the present tendency of "Art in Industry" as exemplified by the unique and ornate treatment of entrances, elevator enclosures, radiator grills as well as other bronze and steel products used in banks, theatres, office buildings and other types of monumental structures, the RELIANCE BRONZE & STEEL CORPORATION has established a Special Creative Department in charge of master designers and craftsmen whose co-operation is available to the trade.

It is anticipated that the scope of service of the consolidated organization to the trade will be extended on a more comprehensive basis, through the constant endeavor to introduce the most advanced methods of manufacture, delivery and installation of its products to keep pace with the constantly improved standards in building construction, with a view of attaining greater efficiency and economy and to obtain the best quality and service.

By reason of a larger production capacity, this Company is in a position to maintain prompt deliveries, to expedite building construction.

We invite conferences with owners, architects and contractors who have construction projects in hand and who seek the co-operation of a reliable, experienced and resourceful organization, which will give personal attention to quality of work and prompt execution of contracts.

---

**RELIANCE BRONZE & STEEL CORPORATION**

**Dobbin & Banker Sts. and Norman Ave.**

**Brooklyn, N. Y.**



## Lignoid-Compo ORNAMENTS for Wood Work

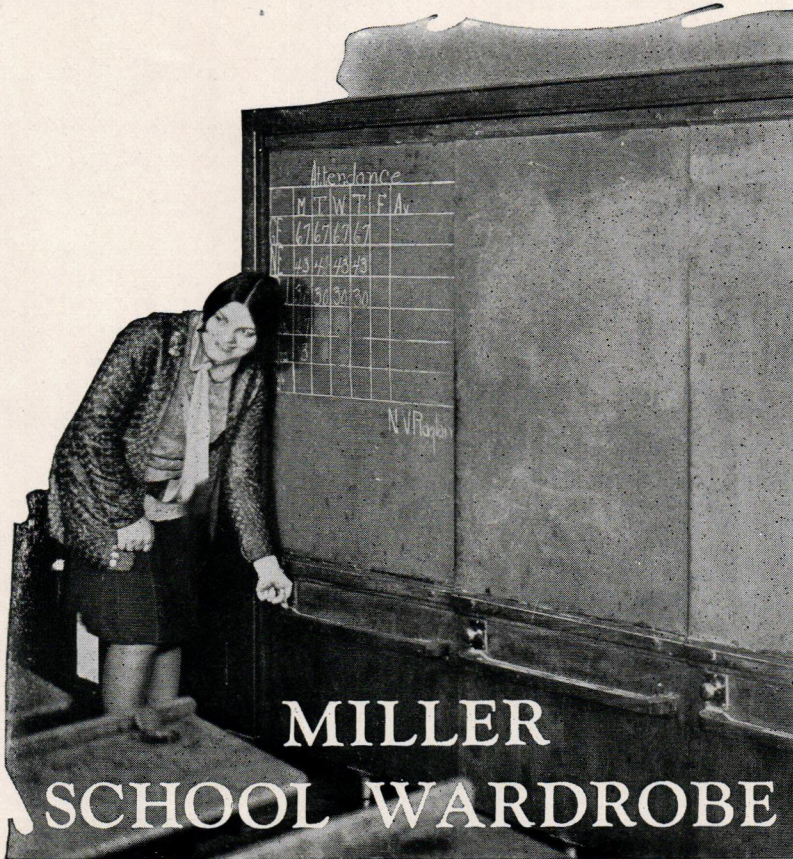
The Tudor Paneling illustrated shows the possibilities of Lignoid-Compo wherever relief ornament on woodwork is desired.

*Also Art Stone Mantelpieces  
In all Periods*

### Jacobson Mantel & Ornament Company

322 East 44th Street  
New York

LOUIS GEIB                      ARTHUR P. WINDOLPH



**MILLER  
SCHOOL WARDROBE**

## It's So Easy to Steal! Unless the School has Miller Wardrobes

Recess time . . . little Johnny or Mary alone in the school room because of sickness . . . the other children's wraps hanging on hooks in an old-style cloak room or locker room. Only a step . . . and out of curiosity alone, little Johnny or Mary is investigating the pockets of school-mates' coats.

Candy, marbles, beads and the other odds-and-ends so adored by childhood! It's so easy for little Johnny to slip some choice trifle into his pockets. It's so easy to steal! And no one can foretell the consequences of the act.

Why place temptation in little Johnny's way? In up-to-date school rooms, equipped with the Miller School Wardrobe, petty pilfering is impossible.

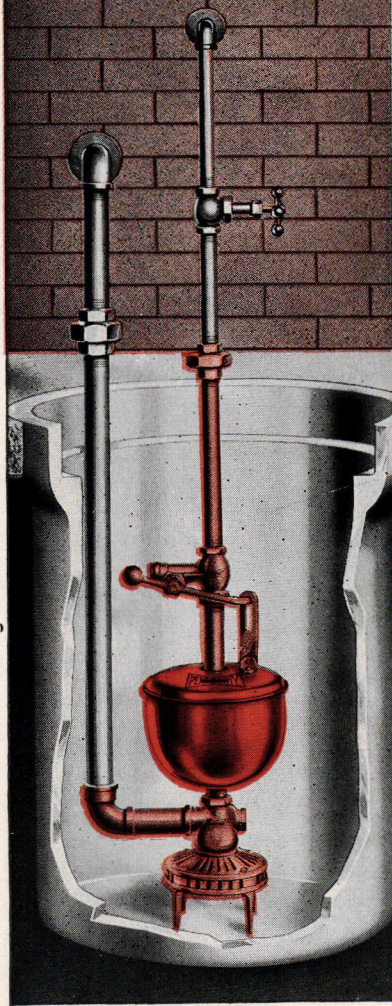
ONE KEY and ONE LOCK on the Master Door of a Miller Wardrobe locks or unlocks all the doors at once. The teacher holds the key—has "single control" of the Master Door's "single control". Adequate storage room is provided, the wall space on the outside is utilized by genuine Bangor slate blackboards—and there's no opportunity for stealing.

*Ask for Catalog W-7*

**K-M SUPPLY CO.**  
123 West 8th. St., Kansas City, Mo.

# Wherever Water Accumulates

HYDRAULIC  
CELLAR DRAINER



A  
TRADE  
**PENBERTHY**  
PRODUCTS  
MARK  
*automatic*

*Y*OUR seepage problem may be the deep basement for a building where the sewer is not low enough for drainage—or the basement of a residence without adequate sewerage facilities. Perhaps it is the drainage of a boiler room, settling basin, fly wheel or elevator sump, a tunnel or scale pit.

The amount of seepage may be considerable or it may be only a small trickle.

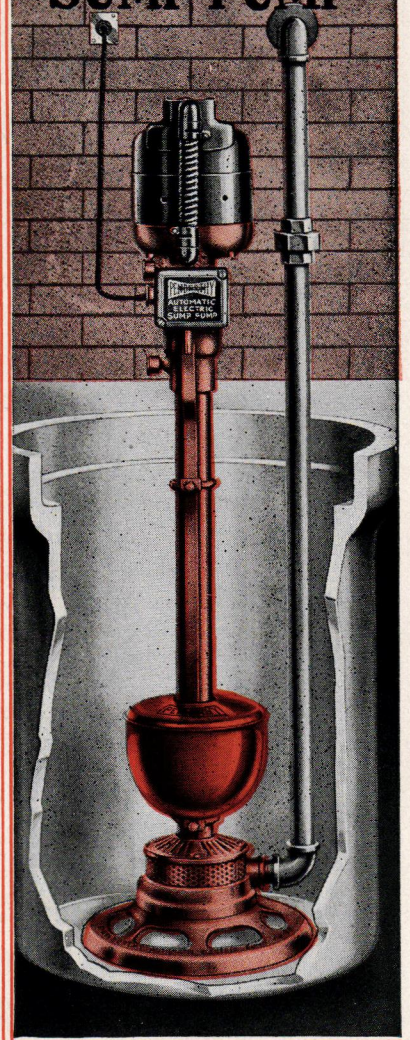
Whatever the conditions, there is a Penberthy Sump Pump or Cellar Drainer which will dispose of that seepage in the most economical manner. Either electrical power or hydraulic power can be used, and there is a size to fit every condition.

Write for details on the Penberthy Automatic Electric Sump Pump and the Penberthy Automatic Cellar Drainer.



*Quality is particularly stressed by the use of copper and bronze throughout.*

ELECTRIC  
SUMP PUMP



## PENBERTHY INJECTOR COMPANY

ESTABLISHED  
IN 1886

DETROIT

CANADIAN PLANT  
WINDSOR, ONT.



# The Editor's Annotations



## YOUR PROFESSIONAL PRIDE

THE aspirations of the American people for beautiful things to wear, to use, and to adorn their homes, and for beautiful houses, lead to greater happiness and higher æsthetic civilization. This expression from A. R. Erskine, a layman, in a recent issue of the *Magazine of Business*, is significant. It is timely as a reminder to every architect in the South that he owes an obligation to those leaders in the profession who conceived and who are working to the end that it shall not fail, the first Southern Architectural and Industrial Arts Exposition, to be held in Memphis, Tennessee, during the second week in November.

What greater inspiration could you, as an architect in the South, have to lend your full co-operation to the sponsors of this exposition than to know that you will be helping to feed the hundreds of laymen and laywomen who will visit this exhibition and who are hungry to feast their eyes upon things beautiful, things æsthetic, that they might come to know more about this thing we call "Frozen Music"—architecture the Mother of all the Fine Arts? It is indeed an opportunity for you as an individual, for the architectural profession as a group, and for Architecture as an Art in the South.

The hopes and aspirations of a few who realize the great opportunity such an exposition offers, though they be founded on the most noble ideals, will not and can not make this thing a success. It is going to require individual action, group action, and a professional consciousness of co-operation. It is time to stir yourselves to action.

If, as Edwin Bergstrom, Treasurer of the American Institute of Architects, says, "Architecture is a co-operative profession, a co-ordination of efforts to create a work of art, to fulfill a definite need within a definite cost. The mind of the architect must interpret the need of another mind, apply to it his imagination, translate the concept to other minds, direct still other hands to give it form and substance, and make it fulfill the need for which and satisfy him for whom it was created." Then, it is certainly to the advantage of the men who profess to practice a human art to get closer to those who are making it possible for them to do so. We know of no other way than to bring before the public a complete picture of the finest works of architecture that they might see with their own eyes the beauty, the joy of satisfaction, and æsthetic inspiration which comes from building well done. It is such a picture colorfully presented, that the public will see at

the first Southern Architectural and Industrial Arts Exposition, if the architects of the South will heed the call to action.

You have recently received from Chairman M. H. Furbringer, a brochure of information concerning this exposition. If you have laid it aside for future reference go now this day and find it, re-read it again and again until you have become sensitive to the obligation you owe yourself, your profession, and the public, to take some definite action now towards selecting the work you will show in Memphis in November.

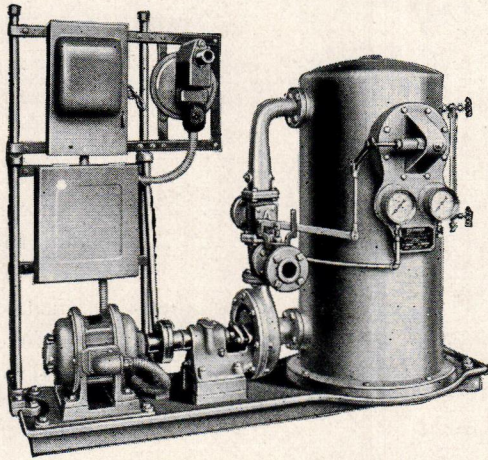
## IT'S DANGEROUS BUSINESS

WHEN some reckless speed maniac drives his eight-in-line down main street of the town at sixty miles an hour, you can confidently count on a certain number of similarly hare-brained individuals to follow his example, despite the fact that they know their foolhardy action to be highly dangerous to the public welfare and in violation of the law. Is their action excusable on the grounds that they follow the example of another? Is their guilt the less because it was merely the guilt of imitation? Plain common sense furnishes an instant and obvious answer to these questions. Yet many people, like the small boy who follows the leader to a favorite swimming hole knows full well that a hickory stick will be the price of disobedience, seek to escape the responsibility of independent thought and integrity of action by offering the lame excuse that they were simply following the example set by another. No more fallacious ground for action could be conceived than this blind and unreasoning tendency to "follow the leader."

If this "follow-the-leader" philosophy were practiced generally, the law of expediency would supplant the law of reason, moral perversion would take the place of moral responsibility, the social order would be transformed into chaos, mental decadence would gradually rob men of their power to think and progress would not only halt, but the world would be swept back into the very slough of conditions from which it has struggled to escape.

In its worst manifestation this "follow-the-leader" tendency is exemplified in the foolish, unprofitable and demoralizing practice of cutting prices. The president of the Josam Manufacturing Co. is here pleading for sound thinking in the plumbing industry of which they are a part.

Let us apply this reasoning to the architectural profession, for we know that here in the South, like every other section there are those who would stoop



## A complete and compact vacuum pump unit ♦ ♦ all ready to run

**T**HE Dunham Vacuum Pump is a complete, compact unit, all ready for use.

Note that all of the pump assembly is upon a rigid cast iron base upon which the control equipment is mounted. The complete unit consists of an electrically driven Centrifugal Pump, with Exhauster, Air Separating Tank, and Automatic Discharge Valve.

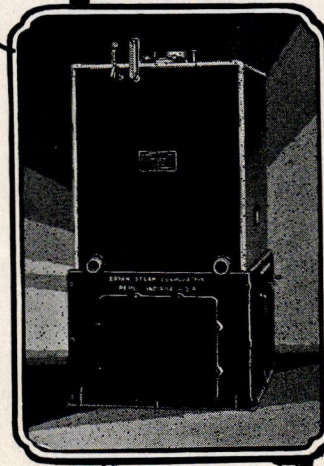
This complete Dunham unit is all ready to run as soon as piping and wiring are connected to it.

Dunham Pumps deliver water at a steady pressure of 20 lbs. per square inch at the pump. They are made in sizes and capacities for every heating requirement.

Insist upon seeing the Dunham nameplate on any pumps you buy. It is your best assurance of lasting service and utmost satisfaction.

**C. A. DUNHAM CO.**  
Dunham Bldg., 450 E. Ohio St., Chicago

# Give 'em Heat in their Bed Rooms



**I**N those far corners, in those north-west bedrooms, those places where it is always difficult to get heat to penetrate, Bryan Oil Burning Boilers will do the job. The heating capacity of the Bryan Copper Tube Boiler is practically unlimited. Our No. 8 will keep the medium sized house as warm as toast on the coldest day . . . and do it economically, too.

There are so many superior features which are only to be found in the Bryan Boiler, that architects everywhere are turning to them as a solution of the Oil Burning problem.

Write for detailed dealer proposition  
**TODAY!**

**BRYAN**  
STEAM CORPORATION  
BOILER DIVISION  
PERU, INDIANA U.S.A.



to conquer, not knowing perhaps the folly of their way. Charles Kyson in his report of the Architects' League of Hollywood, investigation of the Architect's Profit and Production Cost, presents the folly of price cutting so convincingly there can be no argument. "The elated young architect thinks he has struck something rather soft, where the flow of easy money is going to put him in the class of possessing a real bank account. He thinks he can do his work and still cut way below the A. I. A. schedule, but disillusionment invariably awaits him! The time comes when he gets so much work he can not do it himself, he must then have draftsmen to help him, and to his surprise he finds that he can not operate so economically. He is in the sad position of having educated his clientele to demand a cut rate charge from him and he finds that he can no longer make money at these figures—if he tries to raise his prices he discovers it to be exceedingly difficult to get business from his old clients or their friends, so he virtually has to start all over again and establish a new set of customers."

Do you think the feeble practice of bidding for business on a price basis is likely to succeed in gaining the respect of the buyer of architectural service? Do you think the spectacle of witnessing a bitter and vindictive struggle, which is sure to result if price cutting continues, on a price basis will prove effective in impressing the buyer with the importance of the architectural profession? Remember, in the final analysis, the buyer has absolutely no other means of judging the profession than by the action of its members, whether they be honest and worthy or base and unworthy, of the representatives of architecture.

#### AN ARCHITECTURAL CLINIC

**T**HE majority of people can tell whether a building is beautiful, mediocre or ugly, but in completed buildings nothing can be done about it. The trained eye can detect potential ugliness in blueprints. At this stage, it may be eliminated from proposed buildings. If trained eyes can be brought to bear upon buildings in the blueprint stage, and if even a minority of people will support the findings, then there is no longer any reason why entire sections need be repeatedly injured either by endless rows of exact duplications of mediocrity or by a single "eyesore" in well ordered neighborhoods. Well designed buildings need cost no more than mediocre structures. They are better investments for the purchasers and for a community as a whole.

To accomplish these results, there has been developed in Washington an Architects' Advisory Council. The underlying idea of this council is to aid in the development of a more beautiful Washington,—not by indulging in generalities but by

focusing technical opinion and public sentiment on each building as it is erected. For five years it has been going through experimental stages of the technical criticisms, going it alone; now it has asked for the support of the Citizens' Associations, and co-operation has been promised by the Federation.

The Council was launched by the Washington Chapter of the American Institute of Architects, and is now supervised by a committee of the Chapter. The membership represents almost the entire roster of the ablest Washington architects, subject to service by assignment, whether or not members of the Institute. The service is wholly voluntary, and given without charge. It is an "architects' clinic." The architects are giving their services for the good of the city as a whole.

Once each week, a jury of three architects,—one man added each week and one dropped,—meets in the office of the Assistant Engineer Commissioner and there reviews the current plans on file for building permits. There are no delays. Plans are examined and criticized whether or not permits have been granted. The criticisms are intended to be constructive. If followed, they would tend to make good buildings better, mediocre buildings less insignificant, ugly buildings less painful.

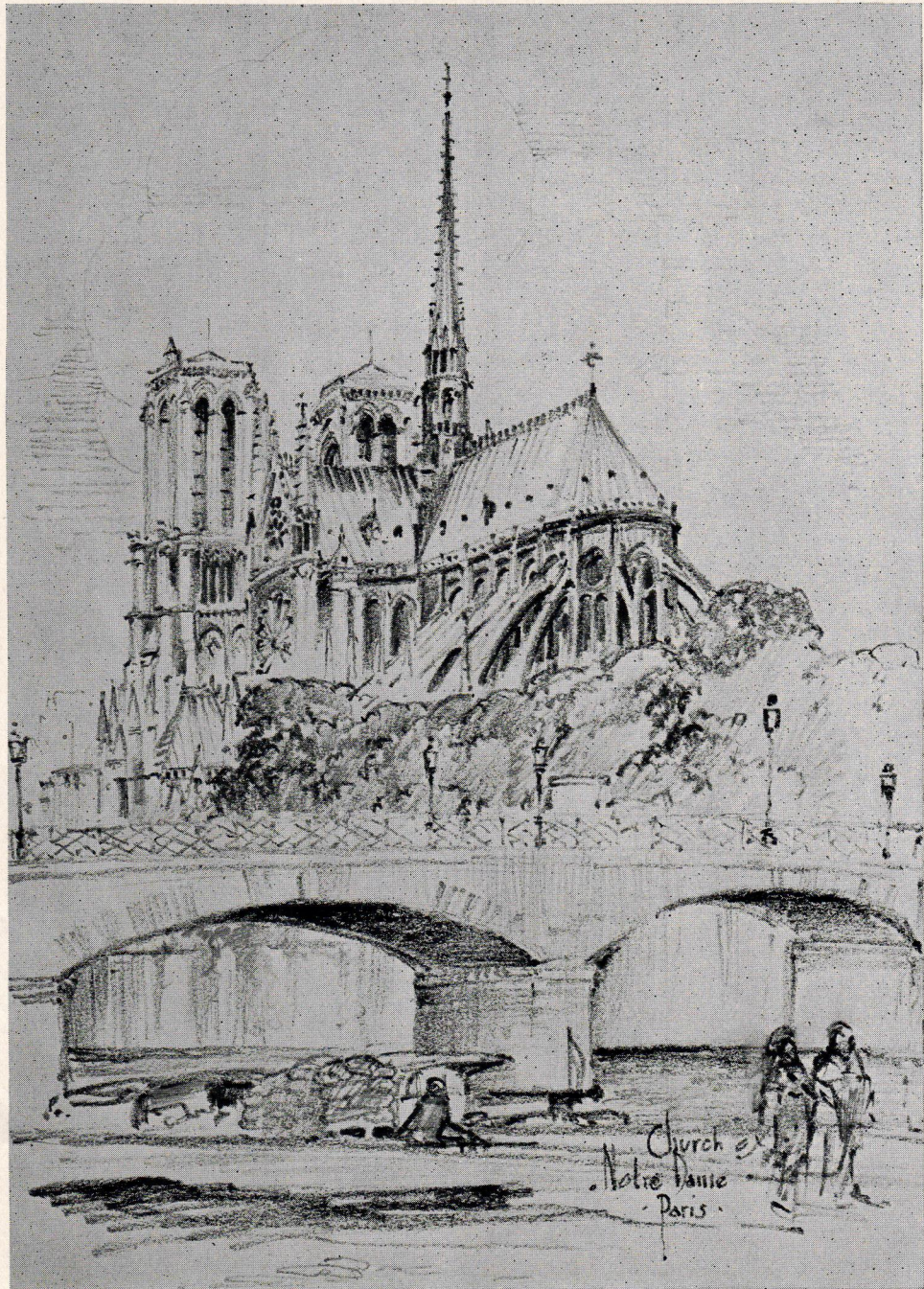
The comments are regularly transmitted to each owner or architect, but there is nothing compulsory about following the advice. Many have disregarded it to the city's detriment; many have co-operated and benefited both themselves and their city. This is where the citizens and the Council join.

Architects are also invited to bring their problems to the attention of the juries in the sketch stages, in order to get other viewpoints before, rather than after, working drawings are made. We all know how closeness to a problem makes impartial judgment difficult, and we have all benefited by the casual suggestions. This system of sketch review means professional consultation without cost; and some of the ablest confreres have not been too proud to bring their sketches for review, so there is no worry about inferiority or superiority complexes.

This movement might well be followed by other cities throughout the South. Does it not offer a suggestion to other chapters of the A. I. A.?

#### DO YOU NEED DRAFTSMEN?

**T**HE SOUTHERN ARCHITECT AND BUILDING NEWS, through its editorial department, endeavors to maintain a contact between architects and draftsmen whose mutual service is desired. At the present moment we are in touch with several draftsmen who wish to become connected with leading architectural offices in the South and if you are in need of draftsmen kindly communicate with us.



CHURCH OF NOTRE DAME, PARIS  
From a Pencil Sketch by Milton S. Osborne

# SOUTHERN ARCHITECT

*and* BUILDING NEWS

VOLUME 55

AUGUST, 1929

NUMBER 8



## The Early American Church

By THOMAS M. BOYD\*

THE centuries beginning with the sixteenth, witnessed the building of few if any outstanding church edifices anywhere on earth. There were centuries of bitter warfare and often bitter religious strife, during which men did not have either the time or the repose to plan and build beautiful structures in which to worship. There were centuries during which there was in many quarters a distinct hatred of all that is beautiful and comfortable.

The old world strifes had their reactions in America. Then, too, the bulk of the brave men and women who emigrated from Europe to the new world were poor or were artisans or farmers in quest of a livelihood. The immigrants did not bother themselves much about art, beauty or culture. They had no time to spare for higher pursuits of the leisure classes. However, all were deeply religious, from the Puritans who settled in New England to the followers of the Church of England who settled in Virginia and the other southern colonies. In fact, religion was a part of the state. Churches were supported by general taxation and attendance was compulsory, whether one believed in the particular dogma taught by the sect in control of the immediate community, or not.

None of the first churches erected in any of the settlements have been preserved to this day, but there are numerous structures built in a fairly early day which are still being used by various denominations. There is a close architectural similarity between all the early edifices, and one authority who spent years in the study of church architecture tells us that the changes in design from 1638 to 1830 are far less noticeable than those in the quarter century after 1830.

The expedition sent out by the Virginia Council of London, or the London Company, established itself in Virginia, on an island in the James River, forty miles from its mouth, in 1607. From the beginning the Virginia church was an integral part of the Church of England and technically under the

jurisdiction of the Bishop of London. Naturally the church architecture of the early Virginia Colony was not dissimilar from that they had known in the Mother Country. As in the old country, abuses crept in, and before long the best pews were reserved for magistrates and their families, and private galleries were erected at their own cost by rich men of the parish. The church thus assumed an aristocratic aspect and the middle class entered its objection to being discriminated against. The abuses happily worked for the better, and about 1740 permission was granted to the dissenters from the established church to worship according to their own desires. Then at the time of the Revolution, the church voluntarily disestablished itself, becoming the Protestant Episcopal Church of the United States.

The oldest building in the United States of English construction is St. Luke's Episcopal Church near Smithfield, Virginia. This structure was erected in 1632 and was used as a house of worship continuously for two hundred years. It was abandoned in 1836 and gradually became dilapidated, but it was restored about 1884. This structure is of brick, quite like some of the English parish churches of the sixteenth century. Although built when the Renaissance style was in favor in England St. Luke's is reminiscent of the older Gothic. The tower is the only part of the building showing the renaissance influence.

St. Paul's at Norfolk, Virginia, was originally built in 1638-41, but the present church on the site was erected in 1759. St. Peter's in New Kent County, Virginia, was built in 1700 and 1701. It is much like St. Luke's at Smithfield. St. John's at Roanoke is a sister church in style and is quite like the parish churches of England. The walls were built of granite laid in clay and pointed in lime mortar.

Trinity Church at Wilmington, Delaware, has the same dimensions as the famous Gloria Dei at Philadelphia, being sixty feet long, thirty feet wide and twenty feet high. It also was built by the early

\*President Amer. Seating Co.



BRUTON PARISH CHURCH, WILLIAMSBURG, VIRGINIA. BUILT 1715

Swedish settlers and dedicated on Trinity Sunday in 1699. The walls of this church were of granite laid in clay and pointed up in lime mortar. It cost 800 pounds sterling, a large sum to be raised in those days by the poor Swedish worshippers, who enjoyed no state aid as did the churches of Virginia and New England.

Church architecture advanced in the southern states during the eighteenth century as it did in New England. Quite a number of edifices from that century survive. One of the oldest is the Bruton parish church at Williamsburg, which city became the colonial capital of Virginia in 1699. The present edifice in Williamsburg was completed in 1715. Exclusive of the wings it is twenty-eight feet by seventy-five feet. In this church the old pulpit is preserved, as well as the canopy and velvet curtain embroidered with the name of Alexander Spotswood, which hung over the governor's pew. The tower was added in 1769.

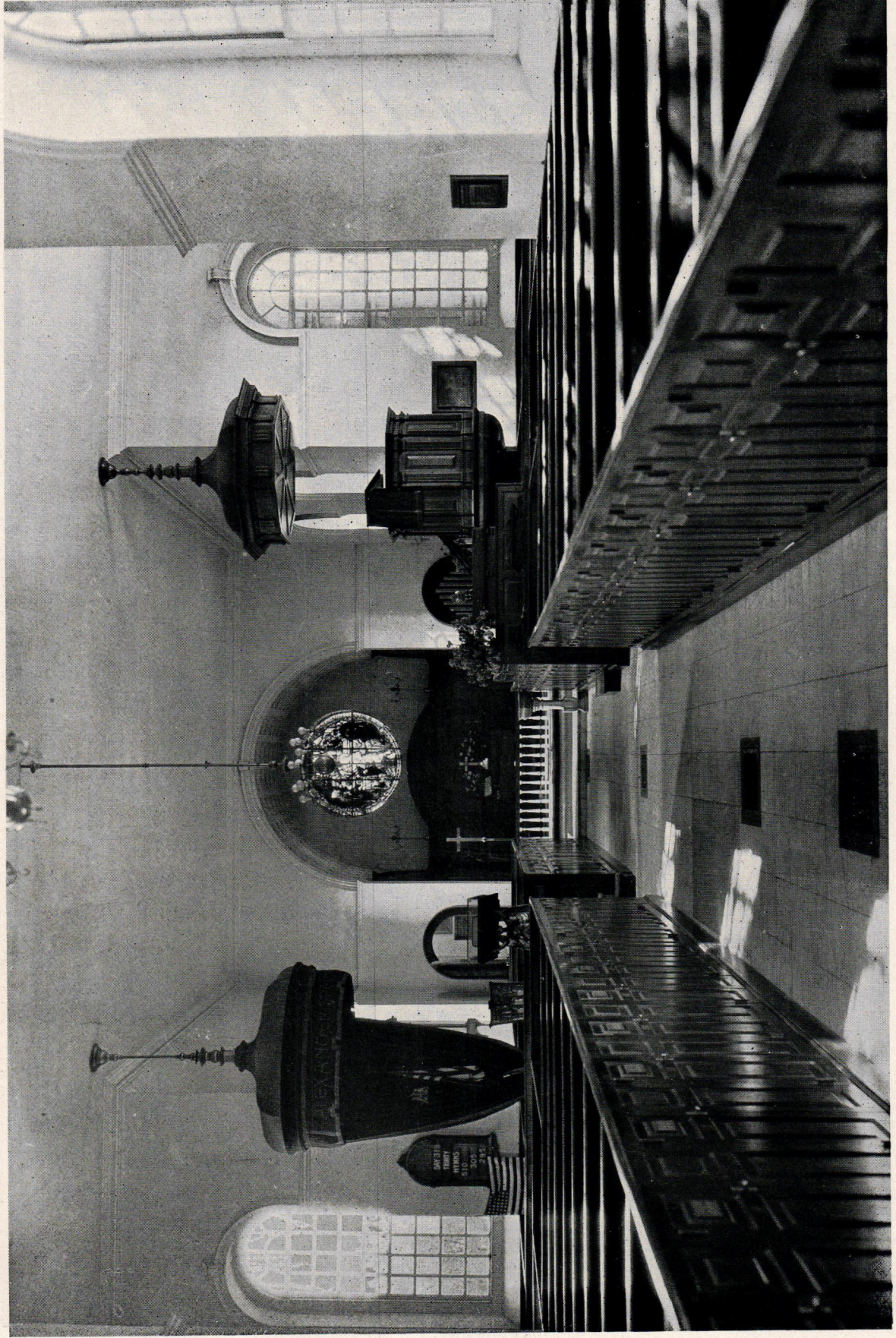
Most famous, perhaps, of all old southern churches is St. Michael's at Charleston, S. C., the

cornerstone of which was laid in 1752. It is entirely of brick covered with stucco, its length with portico being 130 feet, its width 60 feet and its tower 168 feet high.

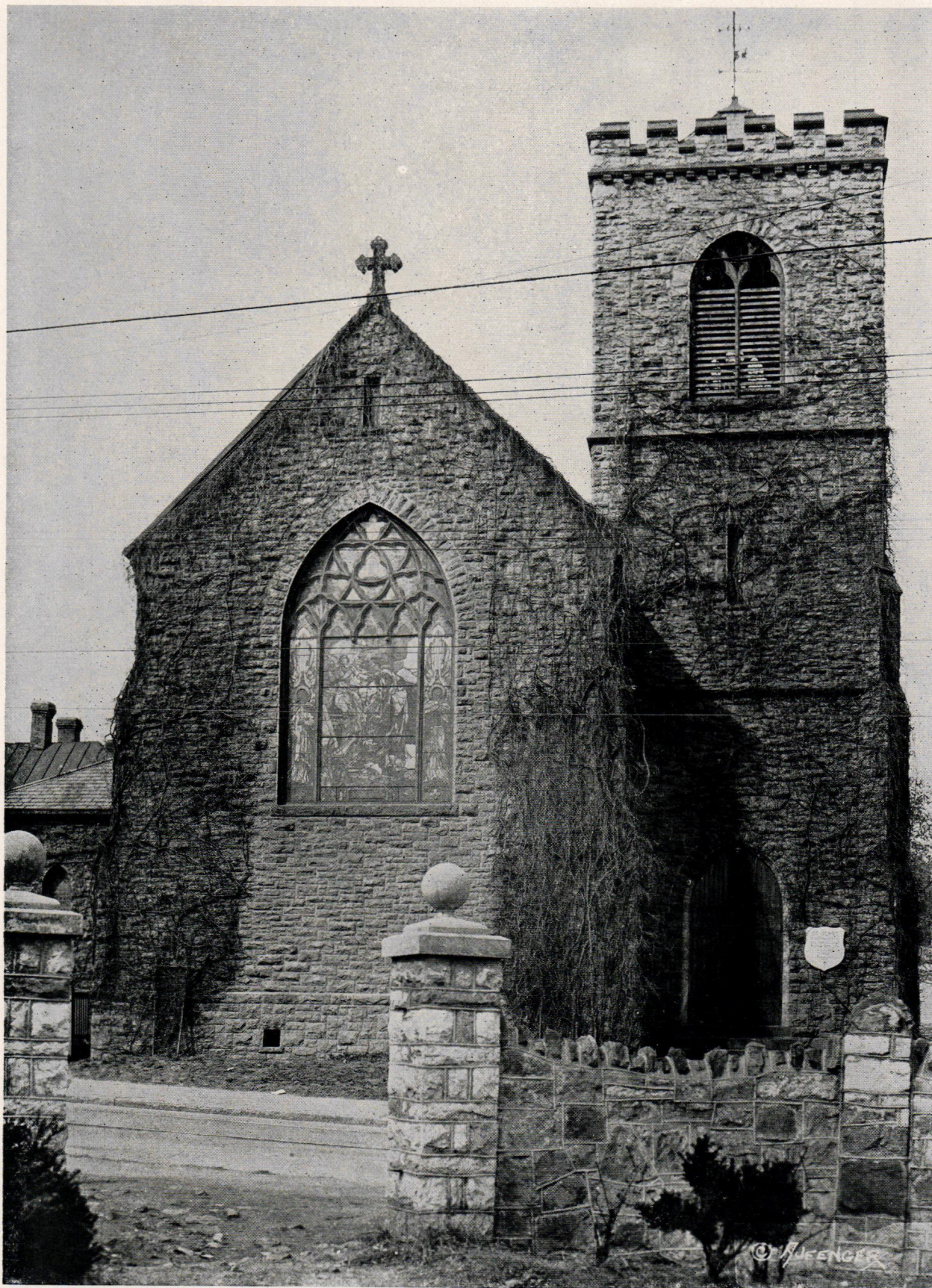
Our interest in all the early American churches is almost wholly historical. The pioneer architects and builders proved themselves capable and resourceful, accomplishing remarkable results with the materials with which they had to work. As has been said, America was settled at a time when mankind was taking a backward step, when wars and religious conflicts were wiping out whole populations and when art, beauty and culture were considered of no particular value by the great majority of mankind. The reaction lasted through several centuries, during which few outstanding structures, especially churches, were erected anywhere on earth. The American church edifices of those centuries will compare very well with those built in other countries. The Colonial style was at least positive and it had a meaning. It is characteristic of America, even though it is based on classic models.



ENTRANCE, BRUTON PARISH CHURCH, WILLIAMSBURG, VIRGINIA. BUILT 1715



THE NAVE. BRUTON PARISH CHURCH, WILLIAMSBURG, VIRGINIA. BUILT 1715



ST. JOHNS EPISCOPAL CHURCH, ROANOKE, VIRGINIA. EARLY 18TH CENTURY



AN EIGHTEENTH CENTURY GOTHIC CHURCH IN SOUTH CAROLINA





# The Small Gothic Church



EVANGELICAL LUTHERAN CHURCH OF THE RESURRECTION, AUGUSTA, GA.

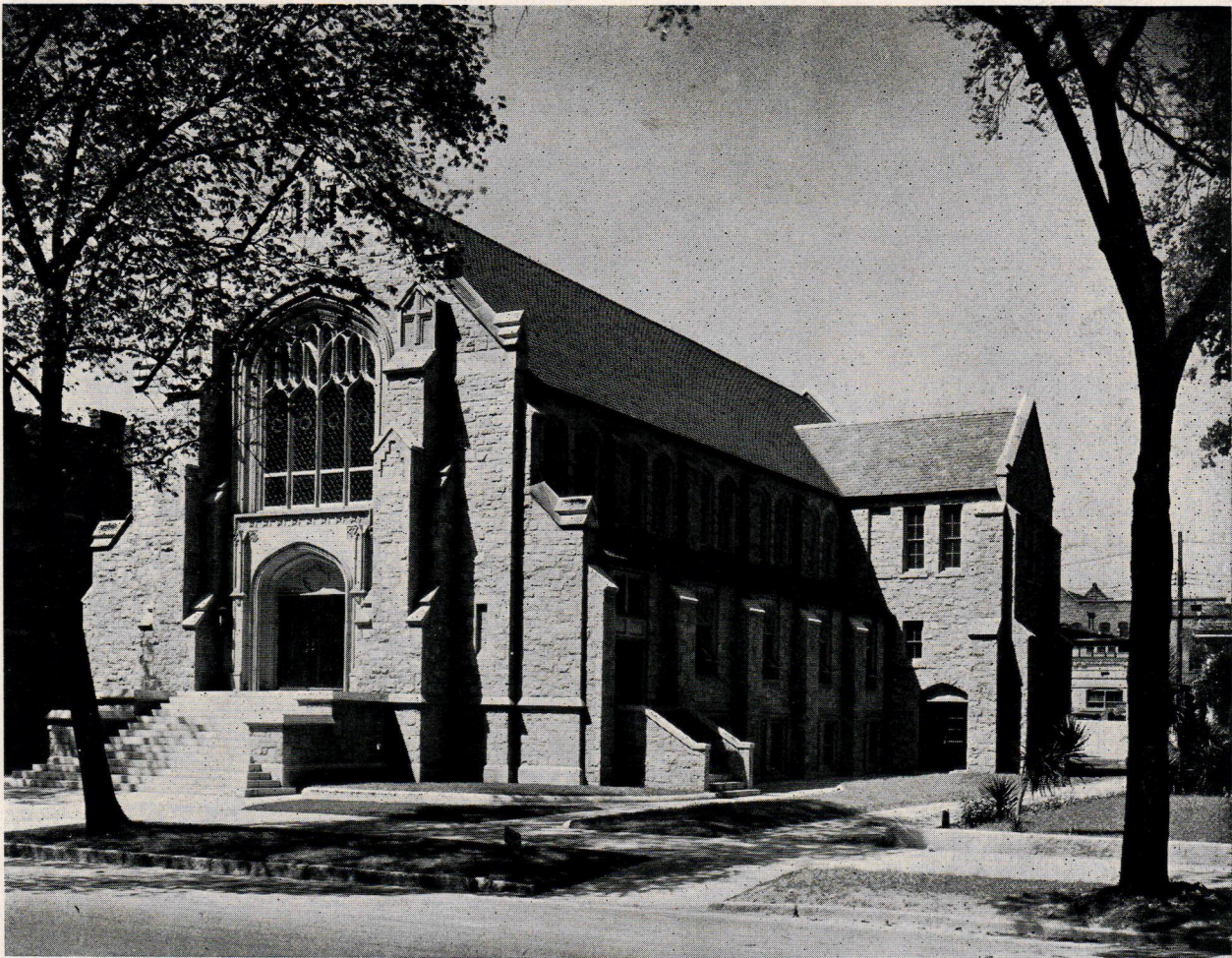
*Scroggs & Ewing, Architects*

THESE is no style, perhaps, so profoundly ecclesiastical as that of the Gothic and not one that is more difficult to master. In former times, that age which produced so many outstanding Gothic churches in the world, it was the custom of aspiring young architects to serve an apprenticeship of a stated period. It is certain that outstanding excellence of design cannot be obtained with a superficial study of the subject, and it is exceedingly hard for the architect who has established a good general practice to devote the time to study the subject as it deserves.

Over a long period of years the American public have recognized in the Gothic their highest ideal for a place of worship and yet to those who know there has never been so many crimes committed as in the

name of Gothic. The architects are not wholly to blame for such a situation. There is a limit always to what even an exceptionally skilled architect can accomplish with a given sum of money and Gothic is not an economical style in which to deal if we are looking for architectural perfection. So, the average architect, and it is the average architect who is doing the majority of churches in this country, when called upon to do a Gothic church is up against a problem that requires a great deal more serious study than it is usually necessary to give to any other type of project.

It seems there is a general failing among church building committees to discuss at great length the type and size of the church structure, its general accommodations, materials of construction, and the features of its equipment, long before cost limita-



EVANGELICAL LUTHERAN CHURCH, AUGUSTA, GEORGIA



THE NAVE, EVANGELICAL LUTHERAN CHURCH, AUGUSTA, GEORGIA

tions are finally fixed or even before an architect is considered or engaged. It is here that the architect must display both tact and ingenuity to bring about an adjustment of the requirements and the budget until the two are so related that further work can proceed upon his part with some assurance that satisfactory results can be accomplished.

In the Evangelical Lutheran Church of the Resurrection, erected at Augusta, Georgia, early in 1928, the architects, Scroggs & Ewing, were able to accomplish an unusually satisfactory church plan and at the same time give their clients a building whose exterior is inspirational and quite expressive of its function. These two prime results were had at a nominal cost. The cubic foot cost was approximately forty cents.

The main auditorium has a seating capacity of five hundred. The plans for the Sunday School department call for a Junior Department of seven

class rooms, an Intermediate Department of five class rooms, two Junior class rooms, one Men's class room, one Women's class room, one Mothers' class room, one Cradle Roll room, one Beginner's room, and one large Primary class room. All of these rooms were not built, however, on account of a lack of funds, but to obtain the same accommodations, temporary partitions were installed in the large Sunday School auditorium under the main auditorium. Adjoining the Sunday School auditorium are a kitchen, pantry, store room. On the main floor is a serving room, containing a dumb waiter for service from the kitchen below. Also pastor's study, library, vestment rooms. The finish of the auditorium floor is cork tile, and special treatment was given walls and ceiling so that the acoustics are perfect. The auditorium and chancel lighting is wholly indirect, no fixtures being visible. The exterior walls are of Georgia granite with Indiana limestone trim. The roof is of blue-black slate.



*Photo: By Tebbs & Knell, Inc.*

ENTRANCE DETAIL

EVANGELICAL LUTHERAN CHURCH OF THE RESURRECTION, AUGUSTA, GA.

SCROGGS & EWING, ARCHITECTS





ALL SOULS UNITARIAN CHURCH, WASHINGTON, D. C.

COOLIDGE, SHEPLEY, BULFINCH & ABBOTT, ARCHITECTS



THE CITY HALL, ST. JOSEPH, MISSOURI  
ECKEL & ALDRICH, ARCHITECTS





ENTRANCE DETAIL

THE NEW CITY HALL, ST. JOSEPH, MISSOURI

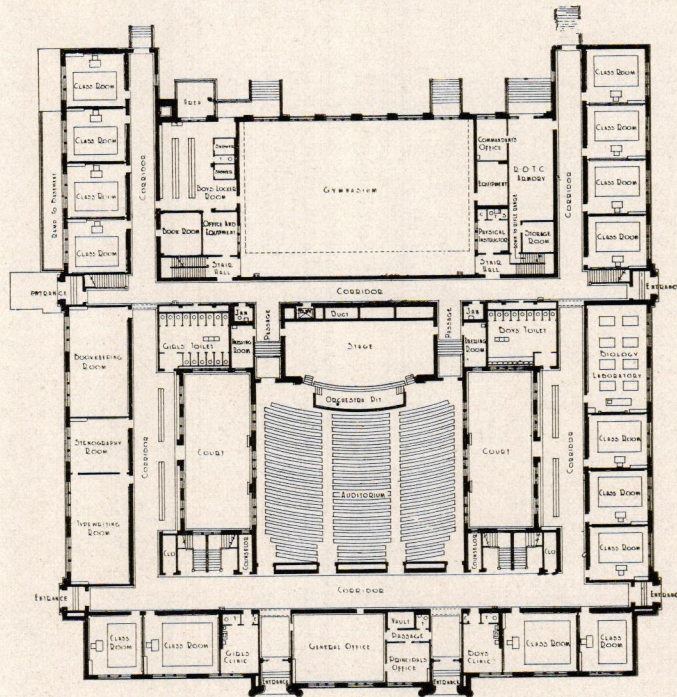
ECKEL & ALDRICH, ARCHITECTS



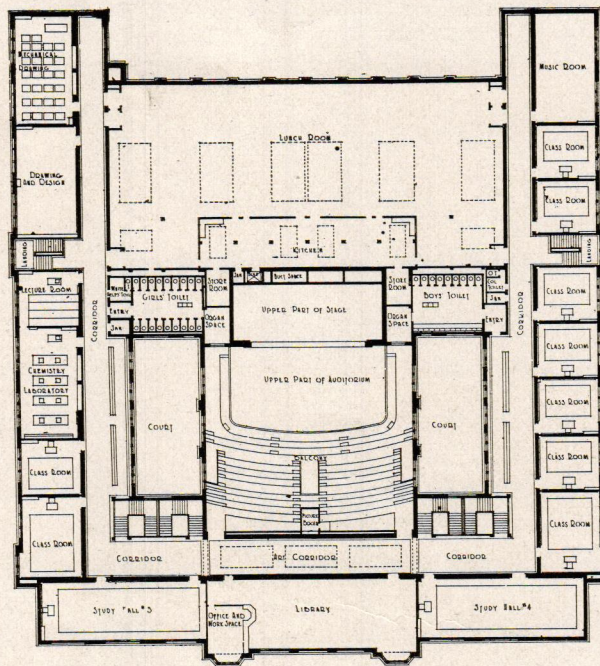




WOODROW WILSON HIGH SCHOOL, DALLAS, TEXAS  
MARK LEMMON, ARCHITECT  
FORMERLY DEWITT & LEMMON, ARCHITECTS



FIRST FLOOR PLAN



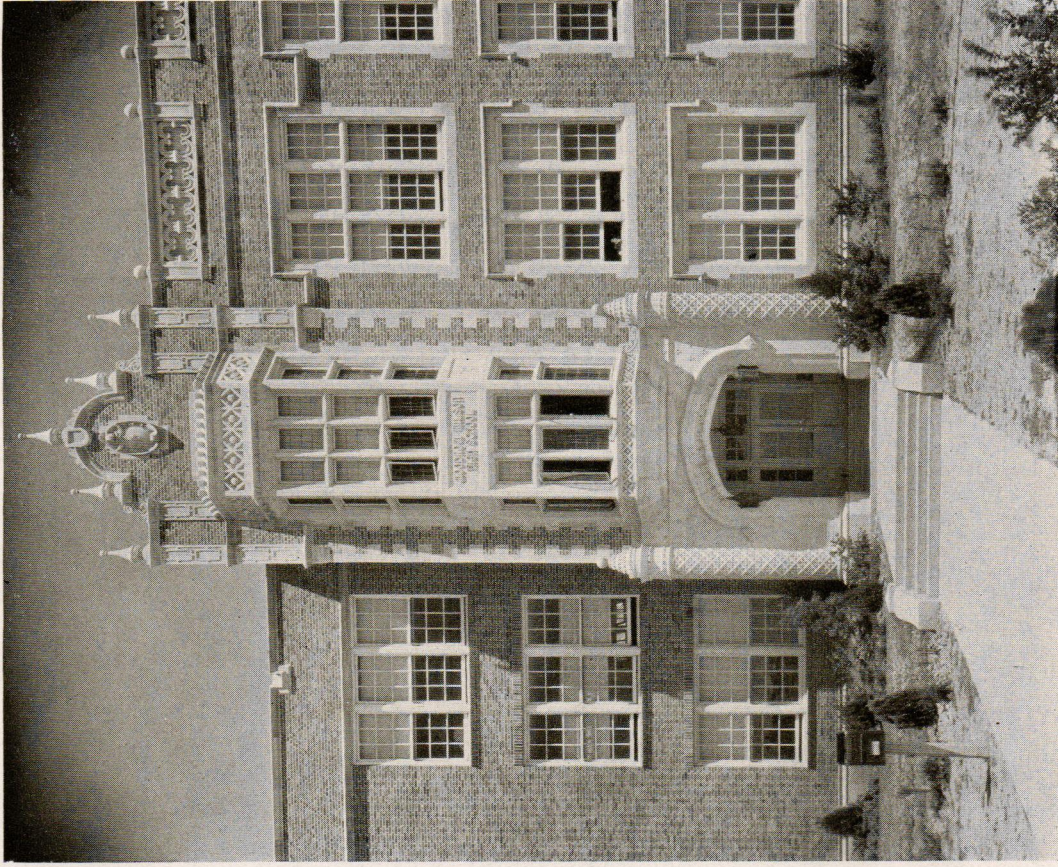
SECOND FLOOR PLAN

THE WOODROW WILSON HIGH SCHOOL, DALLAS, TEXAS

MARK LEMMON, ARCHITECT  
FORMERLY DEWITT & LEMMON, ARCHITECTS



SIDE ENTRANCE DETAIL



MAIN ENTRANCE DETAIL

WOODROW WILSON HIGH SCHOOL, DALLAS, TEXAS

MARK LEMMON, ARCHITECT  
FORMERLY DEWITT & LEMMON, ARCHITECTS



ACADEMIC BUILDING

COLUMBIA THEOLOGICAL SEMINARY, DECATUR, GA.

EDWARDS & SAYWARD, ARCHITECTS



SIDE ELEVATION

ACADEMIC BUILDING, COLUMBIA THEOLOGICAL SEMINARY, DECATUR, GA.  
EDWARDS & SAYWARD, ARCHITECTS



# Candora Marble Company Building



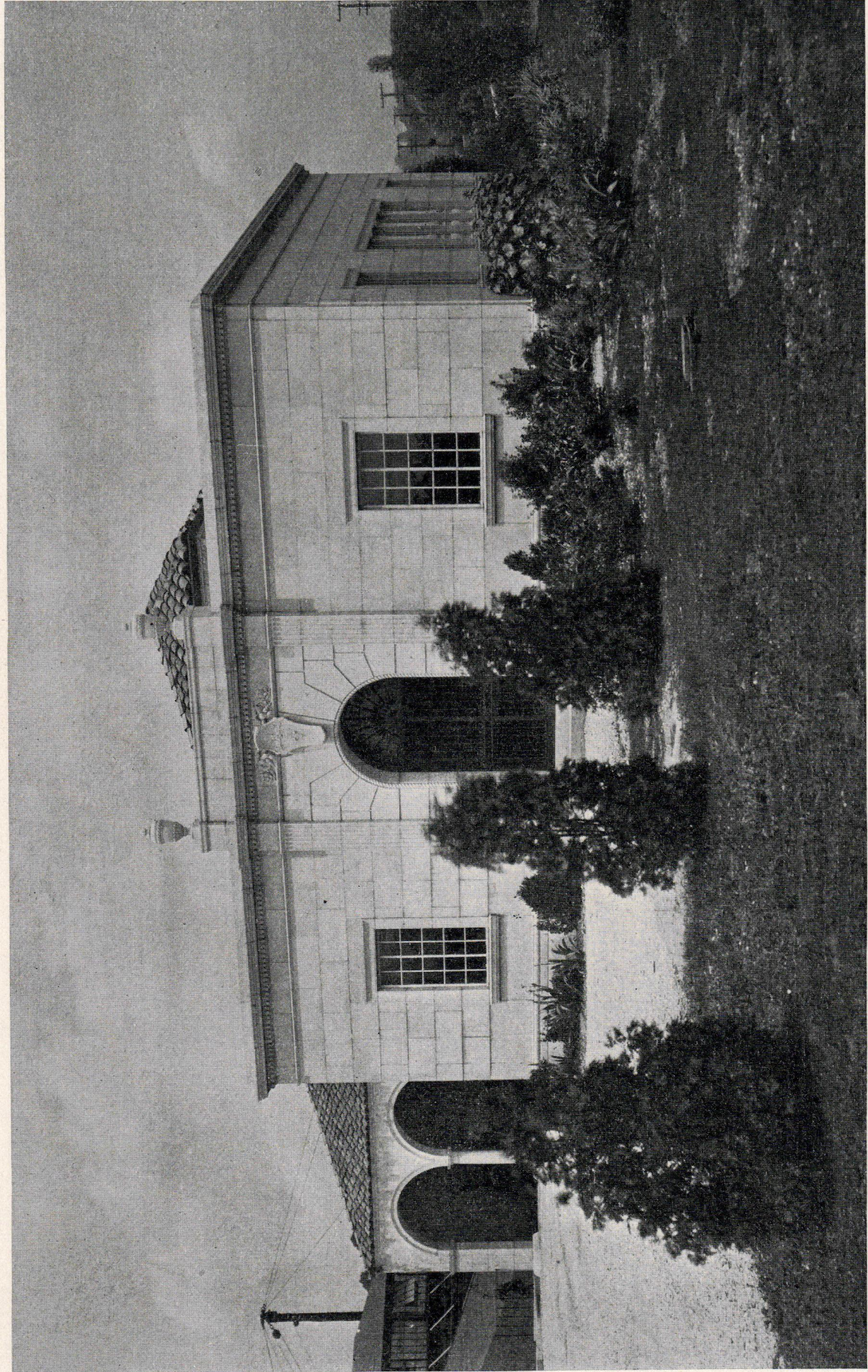
*Barber & McMurray, Architects*

EVIDENCE of a new service which architecture is rendering for American business is rapidly becoming apparent. On every hand lately have grown up structures of various types which, in

beauty and freshness of design, no less than in efficiency and appropriateness of planning, are lending their expressive qualities of art and decoration to the success of business.



ENTRANCE LOBBY, CANDORA MARBLE COMPANY BUILDING, KNOXVILLE, TENN.



THE CANDORA MARBLE COMPANY BUILDING, KNOXVILLE, TENN.  
BARBER & McMURRAY, ARCHITECTS





WINDOW DETAIL, SIDE ELEVATION, CANDORA MARBLE COMPANY BUILDING

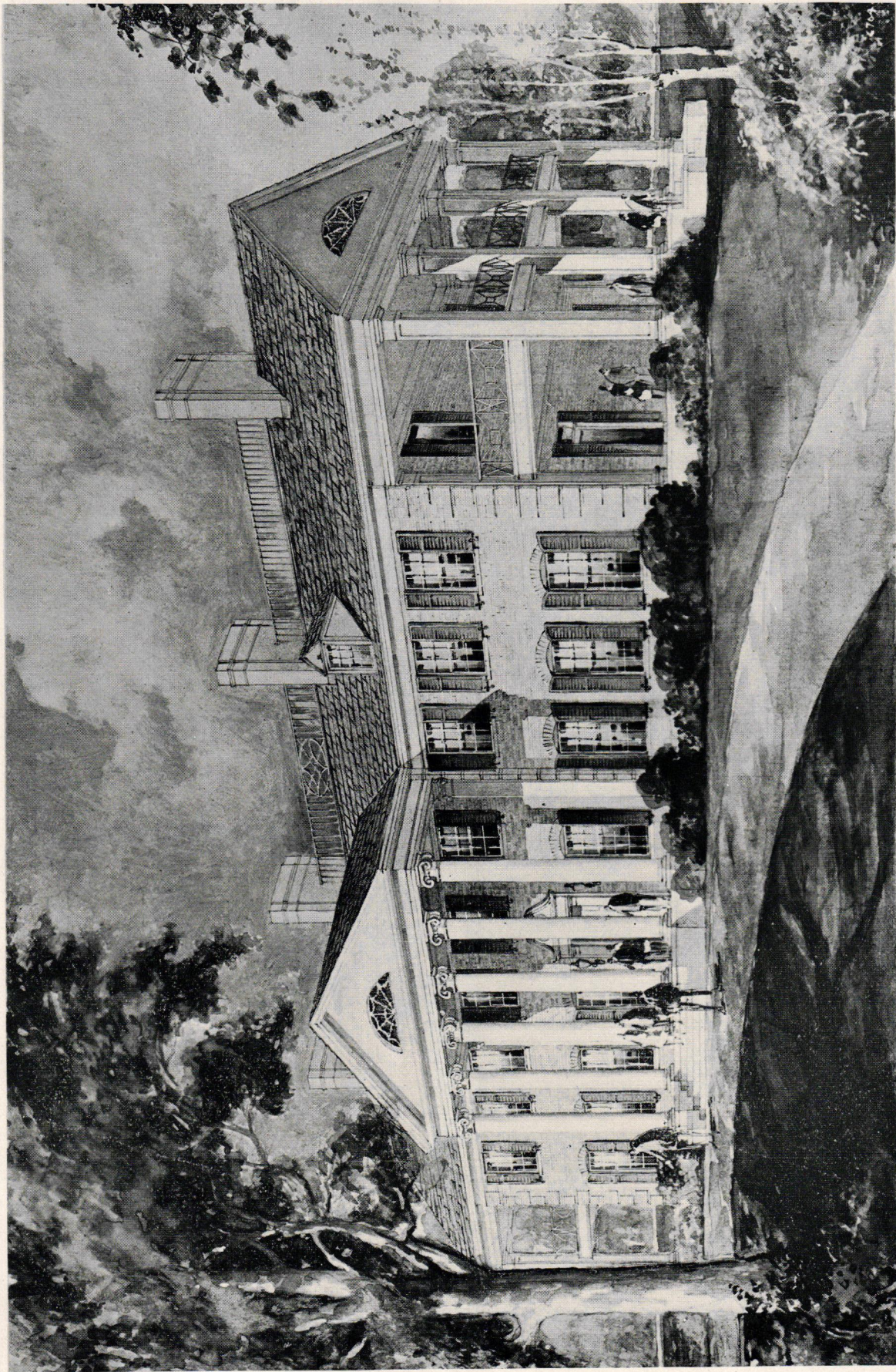
It is rather significant that the Candoro Marble Company, Knoxville, Tenn., should have engaged the services of an architectural firm to design their recently erected office building or show rooms. In doing so, they showed excellent judgment as the photographic illustrations in this issue of the *SOUTHERN ARCHITECT AND BUILDING NEWS*, so well indicate.

The problem of the architect was not a simple one of doing a small building just to satisfy the utilitarian needs of the working forces of this organization. The Candoro Marble Company being manufacturing contractors of foreign and domestic marbles it was most important that the building to house their working forces should be a standing advertisement for the company's products. It was necessary that they take the material at hand and use it in such a way in the completed structure as to bring out the qualities of the product in the most attractive manner.

The direct requirement was that the building should be immediately attractive to the eye of every one coming near the company's properties. This attention must be held and create in the mind of the observer a desire to come closer and actually exam-

ine the material. This problem was at once a stimulating as well as a governing factor in the design.

Marble when used exclusively is not an altogether easy medium in which to work, especially is this true in a small structure where mass can not be depended upon entirely for interest as can be done in a large building of monumental character. To meet the requirements of the building squarely the architects chose to keep their design as simple as possible using only such decorative detail as would focus attention at the strategic points, such as the entrance doorway and the window motifs along the side wall. The style, if one must hitch onto every building a particular style name, might be called Italian Renaissance. The writer would much prefer to designate it simply as a building with all the characteristics commensurate with the purpose for which it was designed. Fitness and harmony between the products that are sold and the building that houses the show rooms are faithfully carried out in this small building. The atmospheric note struck by the exterior design and the interior decoration and correct architectural embellishment of the entrance lobby makes for a successful and satisfactory solution of the problem involved.



NEW FRATERNITY HOUSE, UNIVERSITY OF MISSOURI, COLUMBIA, MO.

BILL & TRABER, ARCHITECTS



# Southern Architectural Exhibit



By M. H. FURBRINGER, *Chairman*

Committee of Southern Chapters A. I. A.

IT will be hard, indeed, to conceive of anyone who would not find something to engage and hold their interest at an exhibition such as will be held in the Memphis Municipal Auditorium, next November, under the auspices of the Southern Chapters of the American Institute of Architects. This Exposition will embrace the materials of which buildings are constructed, the finish and decorations of rooms and the embellishments of interiors and exteriors and the mechanical appliances which have within recent years come into use and which have in a large measure removed the drudgery from housekeeping. The designing of small and large homes and the landscape treatment in connection, the design and finishing of the rooms, and the treatment of the backgrounds and the proper grouping of the furniture, will be shown by drawings and photographs illustrative of the work of the leading architects of the South.

Public, mercantile, and ecclesiastical buildings as yet not developed beyond the embryonic stage are interesting as showing the trend of the times and when presented, as they will be in the galleries of the exhibition by perspective drawings, renderings in colors, and in various other mediums, they can not fail to attract the attention of those who will avail themselves of the opportunity which this undertaking will afford to see at first hand and amidst pleasant surroundings the handiwork of Southern Architects.

Likewise on display and artistically grouped will be photographs of both large and small buildings and as the exhibits will be sent from all over the South, it will be possible with but a slight stretch of the imagination, while strolling through the halls of the exhibition, to visit the cities and rural communities of the surrounding states and to compare with a fair degree of success the measure of accomplishment which characterizes the development of other sections adjacent to our own city and state, and, on the other hand to acquaint our citizens with the growth of the city in which we live and which only too often is taken for granted and not fully realized. In this day and age of large undertakings, success is only assured when the vision and determination to accomplish a task is equal to the merit which an enterprise warrants and for this reason the plan of this Exposition was conceived on a broad scale and the men who are giving of their time to complete the

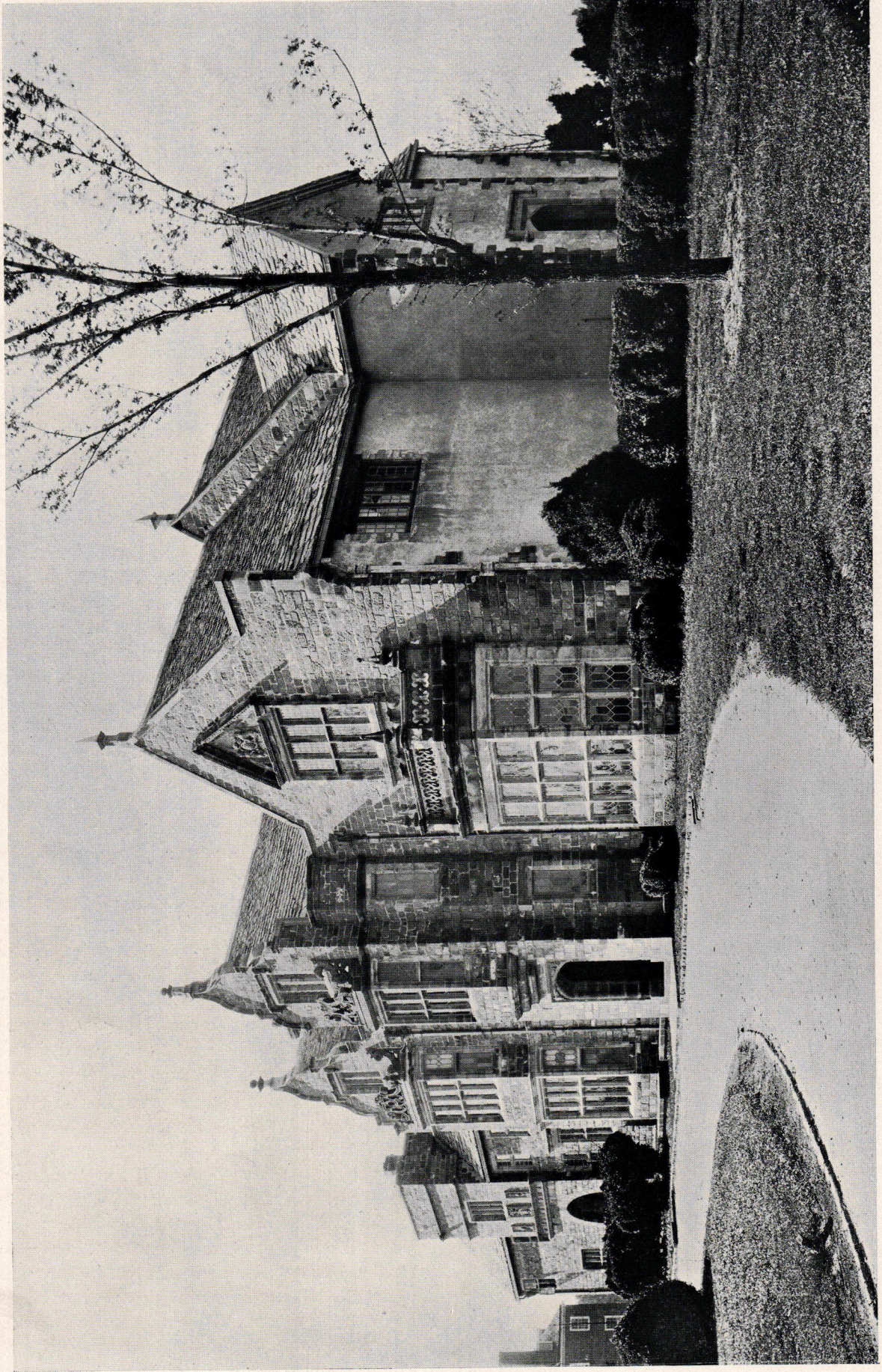
work undertaken are untiring in their efforts to fulfill the promise their participation suggests.

The size and arrangement of the Auditorium makes possible a wonderful scheme of grouping the exhibits of the allied and industrial arts. A series of rooms will be constructed in which the exhibits will be placed and these with the galleries containing the drawings and photographs will form a structure erected within the main arena which will be as unique as it will be complete and artistic. Exhibitors from all over the country have been invited to take part in this affair and many concerns of national renown have engaged space in which to build their exhibits, while the architects from every section of the South are exerting themselves to make their part of the exhibition truly representative of the profession.

Members of the American Institute of Architects and the Producers' Council, an affiliated organization, have been invited to visit here during the week of the Exposition. Then, too, the Chapters of the Institute located in the South and under whose auspices this Exposition is to be held will meet here, and other groups like the Associated General Contractors of America and the Engineering Society, through their local chapters, will take part in this undertaking.

Arrangements will be made to accommodate the public by keeping the Exposition open at night and the school children will be enabled to take advantage of the educational opportunities afforded by this Exposition in appointing special days for them to visit the building. In selecting Memphis as the city in which to hold the first Southern Architectural and Industrial Arts Exposition, due consideration was given to its geographical location and the facilities afforded by the auditorium for an undertaking of this kind and the ample hotel accommodations in the city.

An elaborate and interesting programme for the entertainment of the visiting architects has been planned by the members of the Tennessee Chapter and arrangements have been completed which will assure all the visitors who accept the cordial and sincere invitation to visit the city and the Exposition extended them by the Committee of Southern Chapters and the local architects, a pleasant and profitable stay and the hope is expressed that everyone interested in the progress and development of architecture in the South will come to Memphis during the week of November 9th to 16th.



A TWELFTH CENTURY ENGLISH PRIORY ERECTED IN RICHMOND, VA., FOR MR. ALEXANDER W. WEDDELL



# Recognition of Craftsmanship



BY WILLIAM ORR LUDLOW, *F. A. I. A.*

IT is not difficult to understand why Recognition of Craftsmanship appeals to the imagination as well as to the judgment of an Architect and has attracted the attention of a number of the Chapters of the Institute.

First of all, the better class of architects are men who appreciate the higher motives of life, as well as a better quality of workmanship. Then, some of these chapters have felt that this kind of activity, with its attendant publicity, gives them a standing in the eyes of their community as a group of men interested not only in their fees, but interested likewise in quality work and the welfare of the men who produce it. Many chapters also feel that they need an activity that will command the interest and enthusiasm of their members.

Perhaps, also, the rather remarkable spread of this work is further due to the comparative simplicity of setting up the necessary machinery either by a Building Congress, where such exists, or by a chapter of the American Institute of Architects.

The question is often asked, "How do you start such a program?" I venture these suggestions:

1. Obtain full information as to aims and methods from D. Knickerbacker Boyd of the Philadelphia Building Congress, F. H. Murphy of the Portland Oregon Building Congress, or from the writer, Chairman of the Committee on Industrial Relations of the Institute.

In Philadelphia not only mechanics but contractors, architects and others connected with the building industry are honored. In New York we have found it advisable to confine the awards to the mechanics.

2. The whole plan should be placed before the Chapter in such a way that the members will not only see its advantages but shall really become enthused. A committee should be appointed to take charge of the work, and I should like to make emphatic that its success will depend on whether or not the head of the committee has outstanding ability and a real enthusiasm for the cause.

3. The step that the committee should first take is to get the whole-hearted interest of some of the best builders in the city, and also to get the interest of labor, for unless these two elements are brought in "on the ground floor," the processes of "co-ordination" are more difficult. There should be a real feeling of partnership among the Architects, Builders, and Labor to obtain wholehearted co-operation.

Editor's Note: At the recent Convention a number of delegates requested information as to the best methods of starting the work of Recognition of Craftsmanship. The Chairman of the Institute's Committee on Industrial Relations, William O. Ludlow, has written for The Octagon this statement of the points he believes most important.

This partnership is necessary also to prevent the feeling on the part of the workmen that they are being patronized; labor will not be patronized. Moreover, the workmen are likely, at first, to be suspicious of some ulterior motive,—suspicious particularly of an attempt to "speed up." Enlisting labor leaders on the partnership basis dispels this.

4. Awards are of two general types. (a) On large buildings, to the best mechanic in each trade, with appropriate ceremonies of presentation held in the building while under construction,—one ceremony about the time of enclosure, with awards to the structural trades, and another shortly before completion with awards to the finishing trades. (b) Individual awards, the honor men being selected irrespective of the building where employed. The (b) method is most useful where few large buildings are erected.

5. In type (a) awards, nominations are requested from the architects and contractors in co-operation with the superintendents and foremen.

In type (b) awards it is advisable that nominations be received only on solicitation by the committee from trusted individuals.

6. The awards are made to encourage workmen to better effort and are not made to foremen or to those in executive or supervisory capacities.

7. Nominations are of value only as coming from nominators who have been thoroughly informed as to the real purpose of the awards. In selecting the candidates for awards, favoritism or any appearance of favoritism must be carefully avoided.

8. In type (a) awards, when a building has been selected, a special "Committee of Award" should be appointed, this committee to consist of the owner, the architect, the builder, a representative of labor and a representative of the awarding organization.

In type (b) awards the general committee functions.

9. In type (a) awards the best means of selecting the men to be honored is to explain the idea very fully to the superintendent and to the foremen on any particular building which is of such character as to merit the awards. The foremen should be instructed to select with great care one or two of the best men working in each of their particular trades. These names are then passed on to the superintendent for approval and then should go to the Committee of Award for final determination. It is highly advisable to have some outstanding labor man on the Committee of Award in order that the names may be vied by labor, and in order that nothing may be inadvertently done which would be unfortunate from the worker's angle.

In type (b) awards the best information as to deserving men can be obtained from their employers. Except where artisanry is concerned, seeing a man's work does not give adequate information, particularly as quality alone should not be the criterion.

10. Ceremonies of award should be made as impressive and as important as possible. Awards are public; in the type (a) awards all workmen on the operation, their wives, their friends and the general public are invited. In type (b) awards a special occasion should be arranged.

11. Photographs of presentation ceremonies, news items, and articles on the value of craftsmanship featured in the public press, and the widest publicity possible for the awards and their purposes are essential.

12. It is quite possible for the entire work to be conducted without expense to the organization which sponsors it. In New York practically the entire cost is borne by the owners of the buildings. A charge of about \$10 to cover the cost of each certificate, gold button and clerical work is borne by the owner of the building. It has been found that there is no difficulty in persuading owners to do this, as a matter of \$100 or so is a comparatively small item on a

building enterprise involving hundreds of thousands of dollars. Moreover, the owners readily recognize the considerable advertising advantage which they get when awards are won by those engaged on their buildings, even though they may not have a broader vision of the ideals upon which the movement is founded.

Where awards are of type (b) a sustaining membership may be advisable, which is usually not difficult to arrange on account of the peculiar appeal of the work.

In New York we have found it surprisingly easy to enlist the sympathy and co-operation of owners, architects, builders and labor, for all of these elements, if not interested principally from an altruistic motive, see at least other advantages of great possibilities. It is most desirable, however, to put the whole matter where it deserves to be placed—on the high plane of great and splendid service not only to the building industry, but to every individual concerned—for the stirring of ambition to do nothing but a high grade of work ennobles a man's whole life, brings him a contentment that he has not known before, makes him a man of finer ideals, and in a word does something to create a better citizenship as well as a worthier nation.

## Incineration in The Home

PERHAPS the most frequent cause of difficulty arising between the client and the architect after the house has been completed is the failure of the designer to anticipate his clients needs other than those actually laid down. To do this with any marked degree of success imposes upon the architect a problem not dissimilar to that of the professional "mind reader" whose clientele imparts nothing and ask to be told everything. The really successful architect has learned not to depend entirely upon his clients statements as to what is needed in the home, but rather to take their wishes into consideration and then through mental suggestion lead the client into wanting such equipment included which the architect himself knows full well will later be needed if it is not put in at the time of erection.

It is not every architect who has the happy faculty of being able to bring his clients around to his way of thinking, especially is this true regarding the smaller items of equipment which more often than not make for a successful home. For this reason every architect should make it a point to study every new product that is put on the market and thoroughly familiarize himself with the advantages offered. The buiding industry has developed so rapidly within recent years and so many very worthwhile products have been put on the market until the whole scheme of things has been completely rev-

olutionized, and the architect who fails to take cognizance of this fact is failing to give his clients the kind of service they deserve.

There is one form of sanitation which has been neglected and which is of paramount importance to the health and well being of the American home owner. Decency demands the elimination of the garbage can, the source of many evils. The breeding place for flies. The feeding place for rats, mice and vermin. Decaying matter cannot help but produce a repulsive odor. Not at all fitting in a garden of shrubs and a nicely kept lawn both front and rear, where children play. In the planning of finer things why leave just one sore spot? There are today on the market a number of excellent incinerators which will take care of all waste matter and which can be had at a nominal sum. With the increased natural gas facilities throughout the South it behooves the architects of this section to acquaint their clients with the finer results to be had by the installation of incinerators for waste disposal. If the plans for your client happens not to include a basement where such equipment is most often placed then why not include in your plans a small room or appliance niche to take care of such equipment? Refuse and garbage deposited in the home incinerator is quickly destroyed by fire, reducing as much as three bushels of wet garbage to a mere pint of fine odorless ash.

***Announcing***  
**FIRST**  
**SOUTHERN ARCHITECTURAL**  
— AND —  
**INDUSTRIAL ARTS**  
**EXPOSITION**

*November 9th—November 16th*

**MEMPHIS, TENN.**

UNDER THE AUSPICES OF

**The Southern Chapters, The American  
Institute of Architects**

*Featuring*

**ARCHITECTURE  
MURAL PAINTINGS  
ARTS AND CRAFTS  
INTERIOR DECORATIONS  
HOME FURNISHING  
HOUSEHOLD APPLIANCES  
BUILDING MATERIALS**

This Exposition of Art and Industry should be of  
great benefit to all Exhibitors

*For prospectus and detailed information address*

**SOUTHERN ARCHITECTURAL AND INDUSTRIAL  
ARTS EXPOSITION**

*M. H. Furbringer, Chairman,*

**Porter Building**

**Memphis, Tennessee**

**ARCHITECTS**

**MANUFACTURERS**

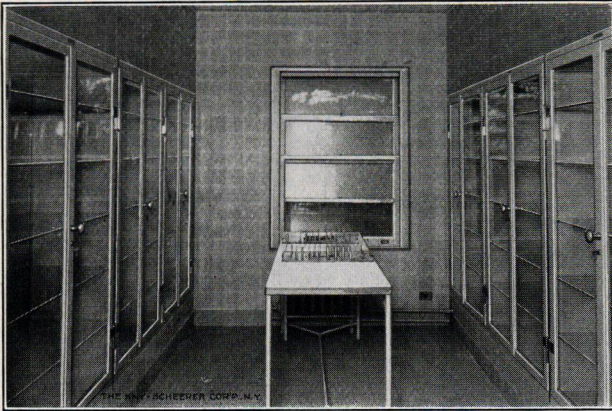
*Plan Your Photographic Exhibit Now.*

*Secure Exhibition Space At Once.*

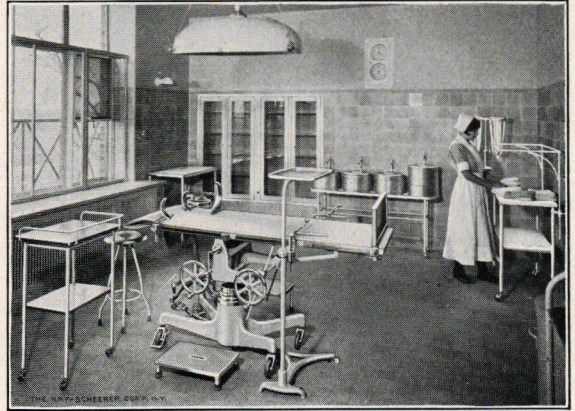
# THE KNY-SCHEERER

Recessed Cabinets for Hospitals and Museums Represent the Last Word in Durability, Efficiency and Economy of Space.

38 years of experience are back of KNY-SCHEERER products. Permit our Engineering Department to assist you in your problems.



RECESSED CABINETS IN ST. FRANCIS HOSPITAL  
POUGHKEEPSIE, N. Y.



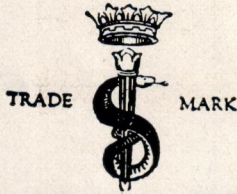
RECESSED CABINETS IN OPERATING ROOM, WASHINGTON  
HOSPITAL, WASHINGTON D. C.

Catalogs and Specifications Gratis

The KNY-SCHEERER CORPORATION of AMERICA

10 to 14 West 25th Street, at Broadway, New York City, N. Y.

America's Largest Manufacturers of Hospital Equipment.



## SPECIFY SIMPLEX FLUSH VALVES



### Simplex Flush Valves In Lake Charles Hotel

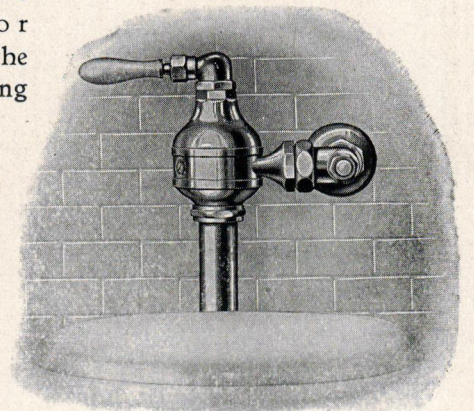
SIMPLEX Flush Valves were selected for this building on the following points:

They can be easily adjusted from the outside to any water pressure.

The four-way by-pass arrangement is the reason for this easy adjustment and also insures the valve from clogging.

Quality and reputation for service were the final deciding factors.

Lake Hotel, Lake Charles, La. Jos. Finger, Archt. El Dorado Bldg. & Htg. Co., Plbrs. N. O. Nelson Mfg. Co., Jobbers.



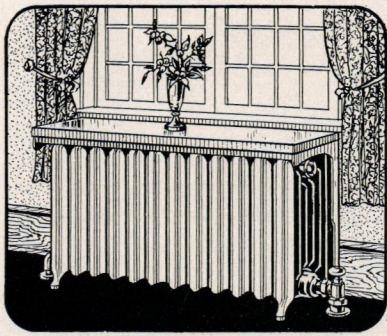
Ask Your  
Jobber



**ARCHITECTS SPECIFY---**

*Interior Decorators and  
Steam Heating Contractors* **BUY**

**WINCHESTER RADIATOR CABINETS**



Winchester Radiator Cabinets are strictly "made to measure" and are constructed to fit each particular radiator situation. Highest quality, heavy furniture steel is used, and all joints are welded to insure a maximum of strength and durability. The enamel finish is baked on, and may be had in flat colors, tints, stipples, wood grains and imitation marble.

Important, too, is the feature which allows ample circulating space for the air currents passing through the cabinets and into the room. This is of two-fold benefit, for it expedites evaporation, as well as reduces heat loss to a minimum.

Bare radiators are rapidly going out of date. In apartment buildings, offices, banks, clubs, hotels, hospitals and particularly in homes, you will now find them concealed by a Winchester Cabinet. Here are just a few of the many reasons why this is true—They save frequent cleaning of drapes and curtains: save fuel by correctly humidifying the air; reduce the amount of dust in the air, and prevent smudging of walls and ceilings; they prolong the life of furniture; make window seats or consoles of the uncovered radiators, and so improve the appearance of the room.

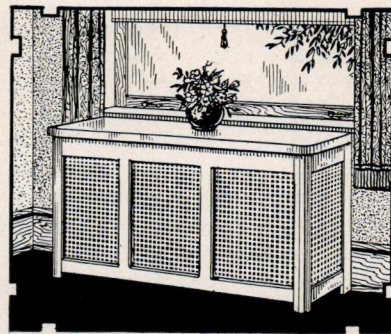
*Write for Complete Information and Recommend  
Winchester Cabinets to Your Clients*

**Winchester Radiator Cabinet Co.**

551-557 WEST MONROE STREET

CHICAGO

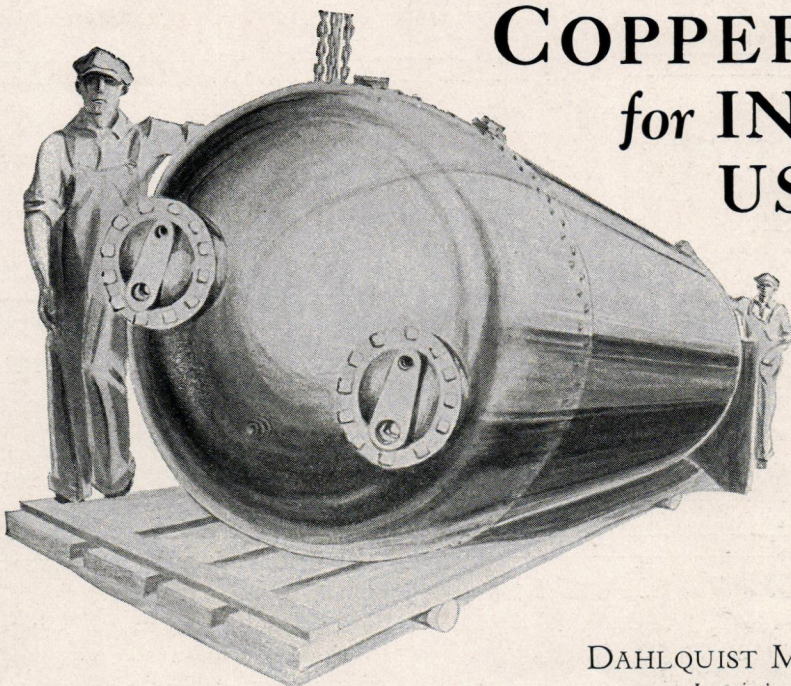
ILLINOIS



*Make All Rooms More Livable  
with this Attractive Cabinet*

**DAHLQUIST**

**COPPER BOILERS  
for INDUSTRIAL  
USES**



Large office buildings, hotels, hospitals, etc., require specially designed and constructed copper storage boilers. Only manufacturers with large resources and many years' experience should be relied upon for this type of important equipment.

The Dahlquist Manufacturing Company, manufacturers of copper boilers only, since 1895, have installed many of the largest copper industrial storage boilers ever produced. Architects when specifying Dahlquist Copper Boilers can rest assured that their requirements will be fully complied with.

**DAHLQUIST MANUFACTURING COMPANY**

*America's Largest Copper Boiler Makers*

A, 2nd and West Third Streets

Boston, Mass.

# STRUCTURAL IRON WORKS

FOUNDRY AND MACHINE SHOPS

## GRAINGER & Co., Inc.

Tenth St.

Established 1833

Louisville Ky.

Complete Information Furnished on Anything  
ELECTRICAL



WIRING SYSTEM  
-for lifetime service-

LIGHTING FIXTURES

GENERAL ELECTRIC SUPPLY CORPORATION  
Atlanta Savannah

### THE FLAGLER COMPANY

ENGINEERS and BUILDERS

It requires quality and service, as well as price, to complete a project with satisfaction to all.

303-4-5-6 RED ROCK BLDG., ATLANTA, GA.  
Walnut 3648-3649

### CLARE & COMPANY

HEATING ENGINEERS & CONTRACTORS

354 MARIETTA STREET  
ATLANTA - GEORGIA  
Phone IVY 1303



F. GRAHAM WILLIAMS  
BRICK

CANDLER BUILDING CO. ATLANTA, GA.

"BEAUTIFUL AND PERMANENT MATERIALS"  
Artistic Face Brick Heinz Tiles Briar Hill Stone  
"Old Stonesfield" Slate  
Ambastone, and Crab Orchard Stone Flagging

PHONE IVY 7470

### THE CALORIC FURNACE CO.

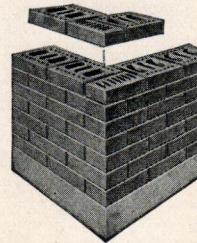
WARM AIR HEATING

325 Edgewood Ave. - - Atlanta, Ga.

### WILLIAM C. PAULEY

LANDSCAPE ARCHITECT

762 Candler Annex  
Phone Wal. 2261 Atlanta, Ga.



Corner Detail of  
8" Du-Brik Wall

### DU-BRIK

A hard burned clay unit which builds the most economical, fire-proof, damp-proof wall for all types of buildings.

Size: 2 5/8" x 8" x 8"

CHEAPER THAN SOLID BRICK  
CHEAPER THAN BRICK VENEER

A. J. BOHN  
SOLE DISTRIBUTOR

1006 CANDLER BLDG. ATLANTA, GEORGIA  
Manufactured in Smooth and Rough Texture Finishes Exclusively by  
BIBB BRICK CO. MACON, GA.

### W. C. SPIKER & CO.

Consulting Structural and Architectural Engineers

Members Amer. Soc. C. E., American Concrete Institute  
and Amer. Soc. for Testing Materials.

910 McGlowan-Bowan Bldg. - Atlanta, Ga.

### WM. H. JAMES & CO.

Certified Public Accountants

COST AND INDUSTRIAL ENGINEERS

Candler Bldg. Atlanta, Ga.

### ATLANTA WEIR FURNACE CO.

397 Peachtree Street, N. E. Phone, Walnut 8975  
ATLANTA, GEORGIA

HEATING & VENTILATION  
AIR WASHERS HEAT REGULATORS

Just Being Introduced Into The South  
CONCRETE "FORM-HOLD" CORPORATION  
"A Form Held Tight, Means a Wall Built Right"

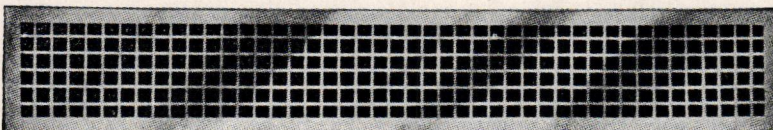
J. S.  
McCABE  
Southeastern  
Representative



PHONE  
WALNUT  
4815

511 BONA ALLEN BLDG. - - ATLANTA, GA.

### DIXIE VENTILATING GRILLES



Steel or Brass

STEINGRUBER METAL PRODUCTS WORKS

Specified on numbers of leading buildings of South recently built or under construction. A standard grille, shipped from stock or manufactured to your requirements. Write for prices.

Thirty-six-hour delivery

Plant and office - 116-A W. Mitchell St., Atlanta, Ga.

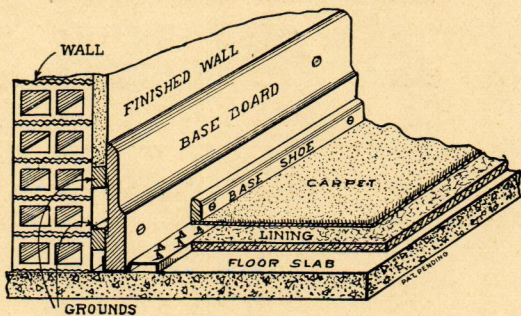
# STANDARD STEEL SECTIONS INC

Cast Iron Posts. Steel Stair Stringers. Send for blue prints "EZYFIT" sections.

Steel Stair section with neat and clean profile.

**OFFICE 608 E. 133<sup>RD</sup> ST.  
PLANT 609-15 132<sup>ND</sup> "  
• NEW YORK CITY.**

## HOLDFAST TACKLESS CARPET STRIP



Holds carpets without tacking. Speeds laying. Gives perfectly smooth installation without depressions or exposed tacks. Most economical and dependable method of fastening carpets.

Locks under and behind baseboard. The strip is pierced for nailing to floor if additional security is required, case-hardened nails being furnished for driving into concrete. Carpets may be easily removed for cleaning or replacement without injury to carpet or strip.

The Holdfast Tackless Carpet Strip is galvanized and will last the life of the building. It is made to accommodate carpet linings of any material or thickness.

Where the baseboard is already in place, a special design is furnished that fastens in front of the baseboard and requires no drilling or plugs.

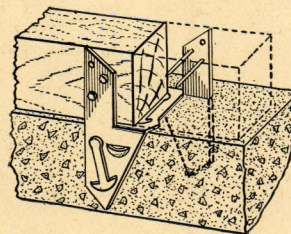
AGENTS IN  
PRINCIPAL  
CITIES

# FLOOR ACCESSORIES CO., Inc.

GENERAL OFFICE:  
KANSAS CITY  
MISSOURI

## ANKORTITE FLOOR CLIPS

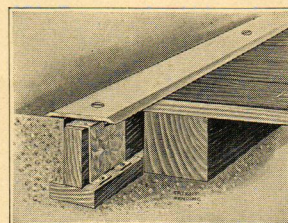
A low-priced clip that provides maximum floor anchorage at the lowest possible cost. Clips lie flat until sleepers are to be placed. Attaching flanges have direct pull against anchored member and are offset so that nails do not register opposite each other to weaken sleeper at nailing point. Width of clip permits joining of sleepers within the clip. Pointed flanges speed placing. Complete information, prices, etc., in Circular H.



## ANKORTITE FLOOR JOINERS

Anchor assembly provides solid base. Any looseness of threshold plate is taken up by spacing collar and adjustable locknut. (See Sweet's for detail.)

Furnished with arched or flat threshold plate in brass, bronze or galvanized steel, plain or grooved in all common widths — a very practical, economical and attractive joiner for abutting floors.



The Architect who demands that buildings designed by him present a fine appearance from the outside as well as clear vision from the inside will do well to use

**BLACKFORD WINDOW GLASS COMPANY'S  
DIAMOND BRAND  
FLAT DRAWN SHEET GLASS**

This glass presents to the eye a uniformly smooth and highly polished surface, and reflects images clearly when viewed from all angles and in all lights. None of the familiar broken surface of ordinary window glass. A comparison with other brands is invited.

**SPECIFY  
BLACKFORD**



MANUFACTURED BY  
**BLACKFORD WINDOW GLASS COMPANY  
VINCENNES, INDIANA**

**J. J. K. KELLEY**  
General Sales Manager  
451 McCormick Bldg., Chicago, Ill.

SOUTHERN REPRESENTATIVE  
**B. FRANK WILLIAMS**  
Aberdeen, Miss.

FACTORY AND GENERAL OFFICES  
VINCENNES, INDIANA

# STARK SALT GLAZED BRICK

*for* INTERIOR WALLS

**Beauty  
without Sacrifice**

## THE STARK BRICK COMPANY

Manufacturers of  
STARK SALT GLAZED BRICK  
CANTON, OHIO

*May We Send Sample?*

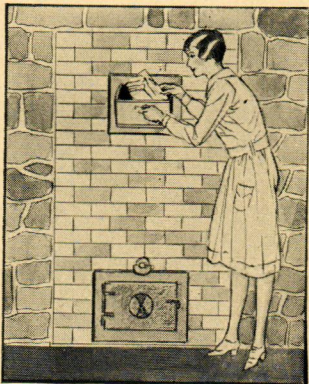


## Dependable Basement-Fed Incinerator

**SECO No. 50**

**NOW**

**\$48.50**



Incorporates in foundation wall underneath or near fireplace or other flue. Four-bushel capacity. Suitable for service in either small or large homes. Price of assembly \$48.50. Gas attachment \$5.00 additional. Employs the exclusive

SECO 4-wall basket type grate and secondary air supply parts which insure rapid drying and thorough combustion when ignited. Approximate masonry cost \$20.00. There is a SECO for every need—Basement types, chimney-fed types, portable types and outdoor types. Descriptive folder and complete details supplied promptly on request.

### SECO INCINERATORS

DIVISION

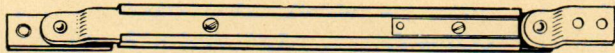
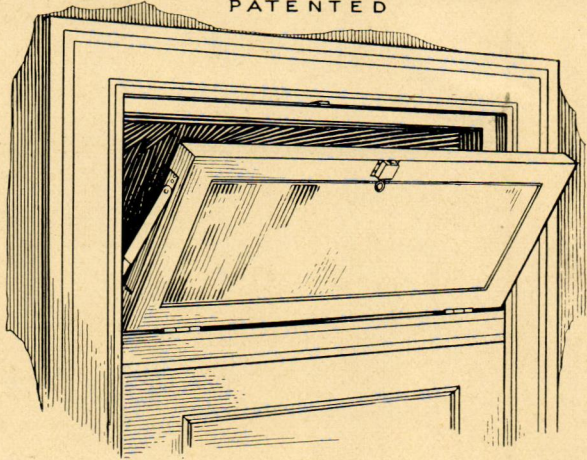
SANITARY EQUIPMENT COMPANY

3714 Main Street - Kansas City, Mo.

Consult your telephone directory (Under listing Seco Incinerator) for the name of your local SECO dealer.

## UNITED CONCEALED TRANSOM ADJUSTER

PATENTED



SOLID BRASS OR BRONZE METAL

- 1—EASILY APPLIED AND SIMPLE IN CONSTRUCTION.
- 2—NOISELESS SMOOTH AND POSITIVE IN OPERATION.
- 3—REVERSIBLE FOR EITHER RIGHT OR LEFT HAND.
- 4—ADJUSTABLE FRICTION TO BALANCE TRANSOM WEIGHT
- 5—PROVISION FOR LIMITING DEGREE OF OPENING.

UNITED SPECIALTIES MAN'G CO., LTD.  
RICHMOND HILL - NEW YORK CITY

Thick

## Hard Maple Flooring

Investigate its merits and you will find it to have no equal for wearing qualities.

When specifying 1<sup>9</sup>/<sub>32</sub>" and 1<sup>25</sup>/<sub>32</sub>" thicknesses of Maple Flooring for warehouses and industrial buildings, you are assured of a floor that will outwear concrete or any composition.

Write us for samples and detailed information

Specialty **ROBBINS FLOORING**  
**ROBBINS FLOORING CO.**  
RHINELANDER  
WISCONSIN

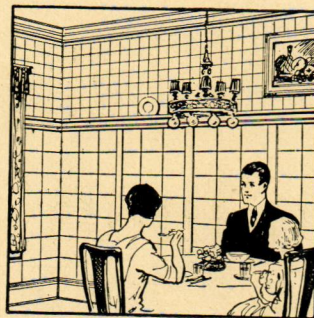
— INSTALL —

"That Beautiful"

## GIBBS-BOARDTILE

**NOW!**

In Your New Buildings. Remodel the Old Home and Make it Look Like New!



Your bathrooms, kitchens and vestibules will look better, keep cleaner, be more sanitary and will retain "that beautiful" colorful luster indefinitely without the expense of repairs.

GIBBS-BOARDTILE best for the church, the home, the school-room, the office and the shop.

Costs less, looks best, lasts longest, does not chip, crack or craze.

Splendid opportunity for responsible Dealer to obtain an exclusive local distributor's sales agency contract.

For information sign and mail coupon TODAY!

GIBBS BOARDTILE CORPORATION  
344 North Ogden Avenue, Chicago, Ill.

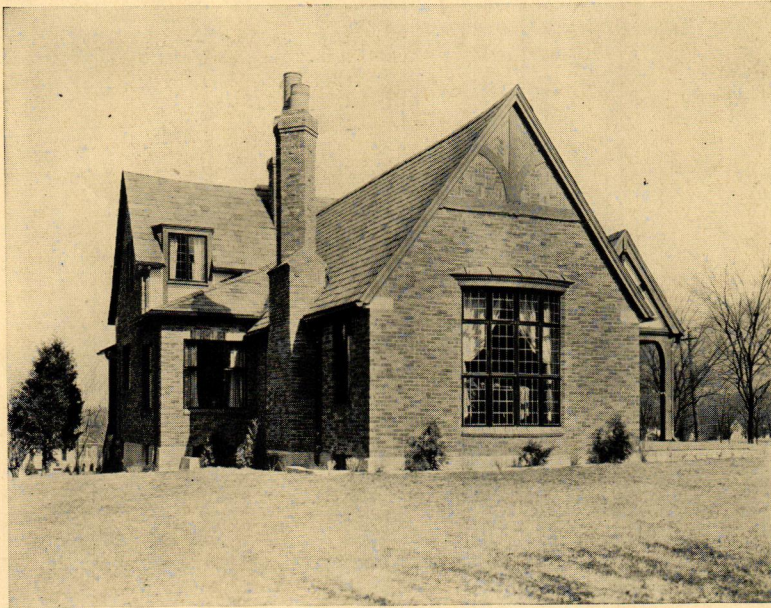
Gentlemen:  
Please send full particulars for installing GIBBS-BOARDTILE.

Name .....

Address .....

Telephone .....

City ..... State .....

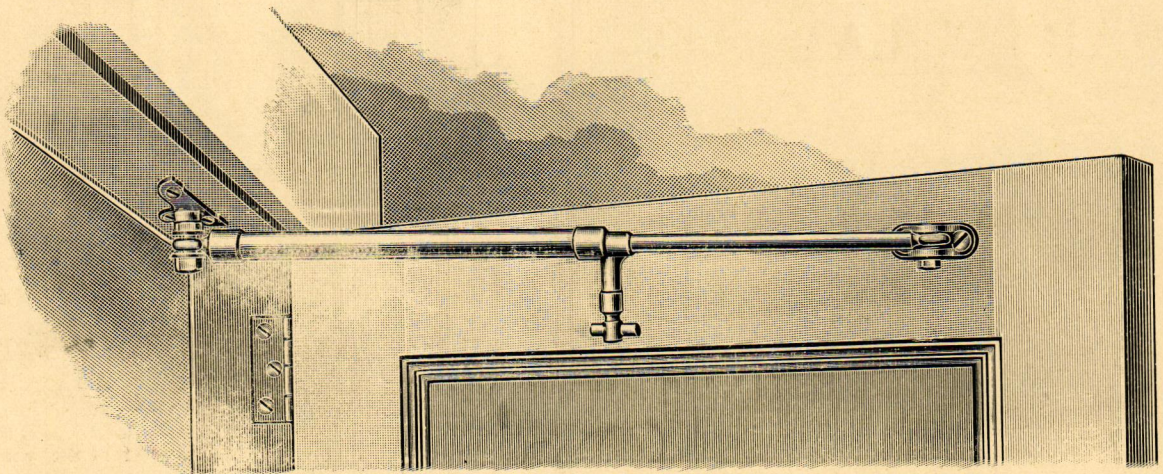


## “Wyandot Sarouks”

Wyandot Sarouks in browns, tans, rose and lavender-blue, give this little English cottage a mellow softness in complete harmony with its design.

The Wyandot is a sand molded brick, slightly irregular in contour, burned to a flinty hardness, but with the velvet face that is characteristic of the genuine sand molded brick. It comes in nine full color ranges—from the delicate pastel shades to deep vivid color.

**THE WYANDOT CLAY PRODUCTS CO.**  
UPPER SANDUSKY, OHIO.



### SOMETHING NEW!

An overhead Door Stay and Holder for either a right or left hand door. Installation at the top of the door makes the use of Stops or Holders at the bottom of the door unnecessary.

This Door Stay and Holder not only locks the door at right angles but keeps the door from being forced back beyond a given point and by means of an encased shock absorber protects the Hinges from shock and strain.

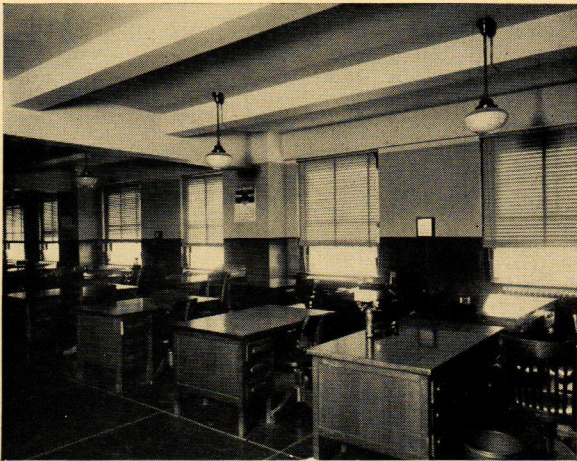
For further details write for our new No. 28 Catalog—Just Out! which gives information on this and double and single acting Checking Floor Hinges included in the

**SHELBY LINE**

*Manufactured by*

**THE SHELBY SPRING HINGE COMPANY**  
SHELBY: OHIO, U. S. A.

**WHEN VENTILATION MATTERS**



*An Office in The Graybar Building, New York*

**USE**  
**BURLINGTON VENETIAN BLINDS**  
*The Ideal Equipment For All Windows*

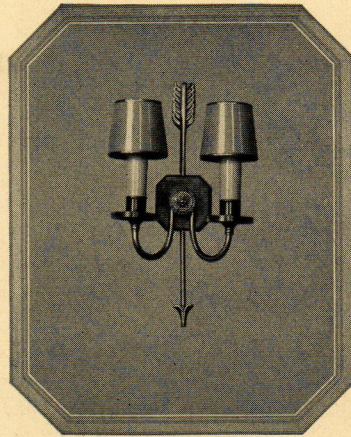
Keep Out the  
Sun's Glare



Control the  
Light and Air

**BURLINGTON VENETIAN BLIND CO.**  
278 Pine St., Burlington, Vt.

*Our product sold by all first-class dealers*



*Of Directoire origin and lending  
itself nicely to Colonial  
surroundings*

**HORN & BRANNEN MFG. CO.**  
*Designers                      Manufacturers                      Importers*  
427-433 NORTH BROAD STREET  
PHILADELPHIA, PA.

**MART & LAWTON**

*INC.*

286 FIFTH AVENUE  
NEW YORK

*Sole Agents U. S. and Canada*

**GENUINE HEATHERBROWN  
AND RED  
WELSH QUARRIES**

**CONTRACTORS FOR  
DOMESTIC and FOREIGN  
TILES**

**Pelican Pelican Pelican Pelican**

***A prominent  
Vermont  
architect  
says:***



••• **“Pelican Water-  
proof Drawing  
Ink is the best I  
have used in 50  
years’ practice.”**

***An architect knows his inks***

HAVE YOU HAD A HAND-APPLIED  
COLOR CHART? SENT ON REQUEST.

**PELICAN WORKS  
GUNTHER WAGNER, Inc.**

34 East 23rd Street, New York

**Pelican Pelican Pelican Pelican**



## ARNOLD & NORTH INCORPORATED

203 East 43rd Street NEW YORK

Reproductions of Early American and English  
Mantelpieces and Fireplace Accessories



## PRICE'S PLASTERING PRODUCTS

*Imitation Stone Cements for  
Interior and Exterior  
Finishes*

*In All Colors and Textures*

CAEN STONE - LIME STONE  
SAND STONE - TRAVERTINE  
COLORED FLOAT FINISHES  
FINE TEXTURAL FINISHES  
CEMENT STUCCO

*Used by Leading Plasterers Everywhere*

Jacobson & Co., N. Y. City  
Detroit Ornamental Works  
H. W. Miller, Inc., N. Y.  
City  
P. L. Gomez Co., Atlanta,  
Ga.

Bloom Studios, Phila., Pa.  
Lombard & Ludwig, Wash-  
ington, D. C.  
Robert Rae, Jax., Fla.  
F. E. Weake Co., Spring-  
field, Mass.

### JOHN H. PRICE

1099 Metropolitan Avenue

Brooklyn, N. Y.

# Loomis-Manning Water Filters

---

COLD WATER SUPPLIES  
HOT WATER SUPPLIES

---

Water Filters Guaranteed to fur-  
nish bright, sparkling, filtered  
water, free from matter in suspen-  
sion, color, turbidity and stain,  
iron sediment and iron stain, odor  
and taste, from city water supply,  
river water, pond water, lake  
water, artesian and other well  
waters.

SEND FOR BOOKLETS

*Plans and Specifications  
Furnished Architects  
and Engineers*

---

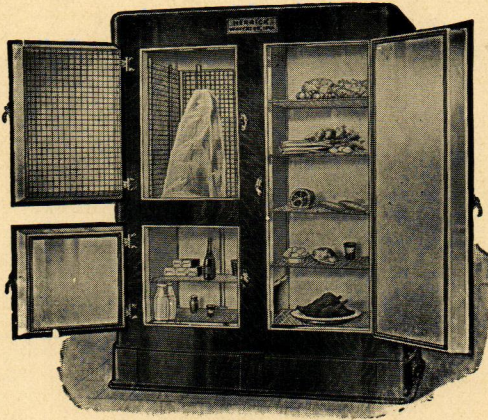
## Loomis-Manning Filter Dist. Co.

Main Office and Factory  
1421-1455 S. 37TH STREET  
PHILADELPHIA, PA.

New York Office  
ARCHITECTS BUILDING  
101 PARK AVENUE  
NEW YORK CITY



*Food keeps BEST in the*  
**HERRICK**  
 THE ARISTOCRAT OF REFRIGERATORS



It is easy to include the Herrick refrigerator in the plans. Hundreds of Architects and Builders are doing this with the Herrick catalog and blue-prints.

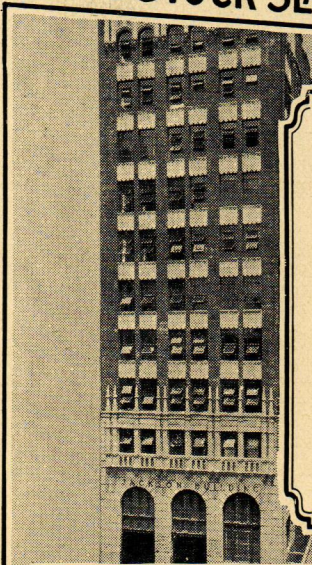
Herrick offers a complete line of quality refrigerators for homes and apartments and also commercial installations. Herrick water cooling and outside icing refrigerators are known for convenience they offer. Ice or electric refrigeration can be used in any Herrick.

**Herrick Refrigerator Company**

2100 South Land Ave.

Waterloo, Iowa

**WOODSTOCK SLAG FOR PERMANENCE.**



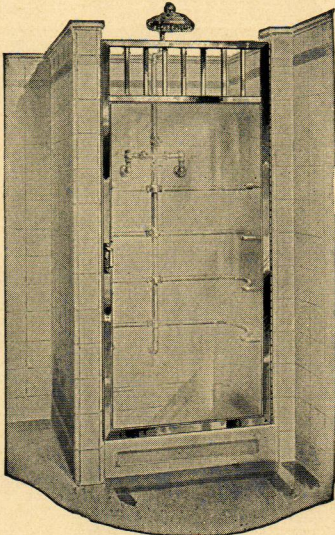
**Modern Builders  
Choose Concrete**

Concrete is the choice of modern builders. WOODSTOCK SLAG is the one supreme aggregate. It is in itself fire-proof and its perfect bonding qualities with cement mortar consistently produces concrete well beyond the standard building requirements . . . for strength! Fire-proof! Permanent! Get all the facts!



**Woodstock Slag Corporation**  
*Southern Railway Bldg - Birmingham, ALA*  
 FLORIDA OFFICE - 525 Professional Bldg - 305 Morgan St TAMPA, FLA

**REINHARDT SHOWER DOOR**  
 Patented

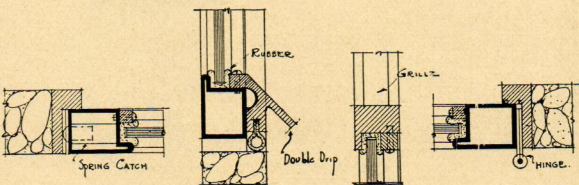


Stiles made in one piece of 16 B & S ga. brass or nickel silver.

No wood cores or metal that will deteriorate.

Hollow construction.

Prices and detail blue print on request.



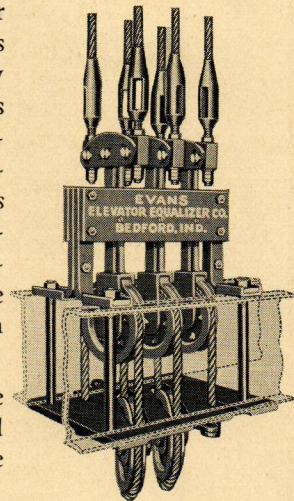
**EDWIN G. REINHARDT MFG. CO.**  
 110-112 EAST SECOND ST., CINCINNATI, O.

**Over 1,000  
Evans Elevator  
Cable Equalizers**

*are installed in prominent buildings*

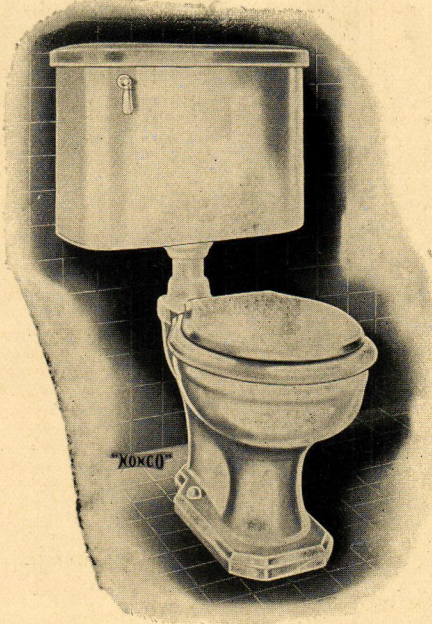
Every Evans Elevator Cable Equalizer is proving its worth, day by day, in hundreds of buildings. Architects and engineers specify *Evans Equalizers* in their new construction. You, too, can secure the benefits of the *Evans Equalizer* on your elevators.

We would like to give you all the facts and stand ready to prove our claims.



**EVANS ELEVATOR EQUALIZER CO.**  
 BEDFORD, INDIANA

*New York Sales Office: 122 East 42nd Street*

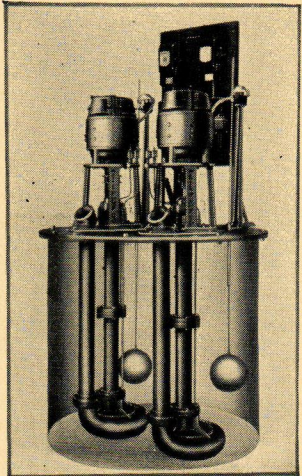


**XOXCO** Pl. 4669 $\frac{1}{2}$ -N Aurora Closet for the  
Finest Bathroom

N. O. NELSON MANUFACTURING CO.  
MAIN OFFICE: ST. LOUIS, MISSOURI  
Factories: Edwardsville, Ill.; Noblesville, Ind.; Bessemer, Ala.  
Branches Throughout the South.  
1872--Pioneer Manufacturers of Plumbing Fixtures--1929

**WEIL**  
**NON-CLOGGING SEWAGE EJECTORS**  
*The Latest and Most Efficient  
Type of Ejector*

Absolutely non-clogging. Rugged, quality  
construction. Smooth, quiet operation. Low  
cost and ease of maintenance.



Phantom View of Duplex Weil Type "CN"  
Non-Clog Ejector in Basin  
Write for Bulletin CN-900

**WEIL PUMP COMPANY**  
Manufacturers of Better Centrifugal Pumps  
215 W. SUPERIOR ST. CHICAGO, ILLS.



**ROMANY  
QUARRY  
TILES**

Red, Grey, Brown and Rainbow  
For Porches, Terraces, Corridors, Kitchens,  
Laundries, Hospitals, Power Houses,  
Waiting Rooms, Etc.  
Ask for Illustrated Catalog No. 8 and Art Portfolio  
**UNITED STATES QUARRY TILE CO.**  
PARKERSBURG, W. VA.

**Richards & Kelly Mfg. Co.**  
309-311 West 23rd St. Chicago, Ill.

**SIDEWALK LIGHTS  
REINFORCED CONCRETE  
SKY LIGHTS**

**SIDEWALK DOORS  
COAL HOLE COVERS**



GALVANIZED CAST IRON SHIELDS  
WITH  
No. 35 GLASS

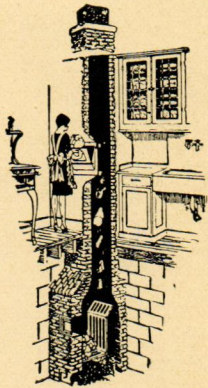
**Atlanta Terra Cotta Company**

Manufacturers of  
**ATLANTA ARCHITECTURAL  
TERRA COTTA**

1002 GLENN BUILDING

Factory at EAST POINT, Georgia

# ECONOMY INCINERATOR



**Built at the base of the chimney**

The ECONOMY INCINERATOR is most widely preferred because there is no fuel cost to operate it, and because there is no deterioration, replacement or maintenance expense whatsoever. The most economical and efficient incinerator on the market.

**New Design Hopper Door Eliminates Odor Smoke, Flames, Soot**

The specially designed hopper door equipped with an auxiliary safety door which is an exclu-

sive feature of the Economy Incinerator and positively prevents the entrance of odor, smoke and soot into the room: guaranteeing total cleanliness and complete rid-dance of garbage and refuse, once deposited into the Economy hopper door.

Send now for completely illustrated, descriptive Economy Incinerator literature: Address

ECONOMY INCINERATOR CO., INC.

287 FARWELL AVE.

MILWAUKEE, WISCONSIN

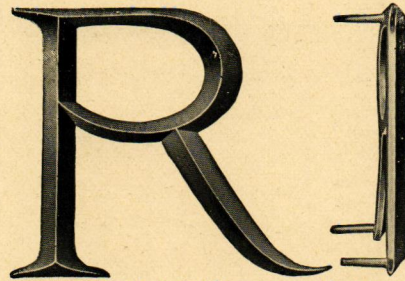
Dealers write for our proposition

# BRONZE LETTERS FOR SETTING ON BUILDINGS

We have a large variety of stock patterns from one to twenty inches in height (some of them designed by the Leading Architects of the Country), from which we cast at short notice.

Send us specifications and we will submit detail and quotation.

Full size templates and instructions for setting furnished for all our work



One of Our Popular Bevel Face Models

Blue print of our stock patterns sent on request.

**TABLETS IN BRONZE BRASS, ETC.**

## THE FORMAN COMPANY

(Incorporated 1905)

48 West Broadway

NEW YORK, N. Y.

# THE CUTLER MAIL CHUTE

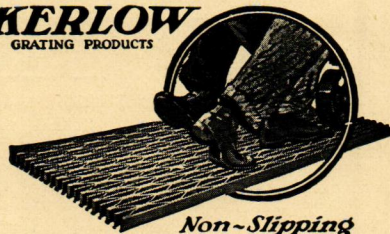
In its perfected form is the outcome of long experience, and is designed to meet the requirements of public use under Postoffice Regulation. It is simple and substantial in design and construction, durable in finish, and has an Architectural quality which is appreciated and much commended by Architects.

Full information, details, and specifications on request.

**THE CUTLER MAIL CHUTE CO.**  
GENERAL OFFICES AND FACTORY  
ROCHESTER, N. Y.

Kerlow is all steel and cannot crack nor disintegrate like concrete floors; Kerlow cannot wear smooth nor slippery like wood, or plate floors, and Kerlow floors need not be swept. Drop us a line and we will be glad to tell you about our many installations.

**KERLOW**  
GRATING PRODUCTS



Non-Slipping

DISTRICT REPRESENTATIVES:

O. Z. Wrenn & Co.,  
201 Kinney Bldg.,  
Charlotte, N. C.

J. W. Vaughn, Jr.,  
408 Masonic Temple Bldg.,  
Greenville, S. C.

F. S. Perham,  
501 Bona Allen Bldg.,  
Atlanta, Ga.

Manufacturers Selling Agency,  
Brown-Marx Bldg., Birmingham, Ala.

**KERLOW STEEL FLOORING CO.**  
JERSEY CITY, N. J.

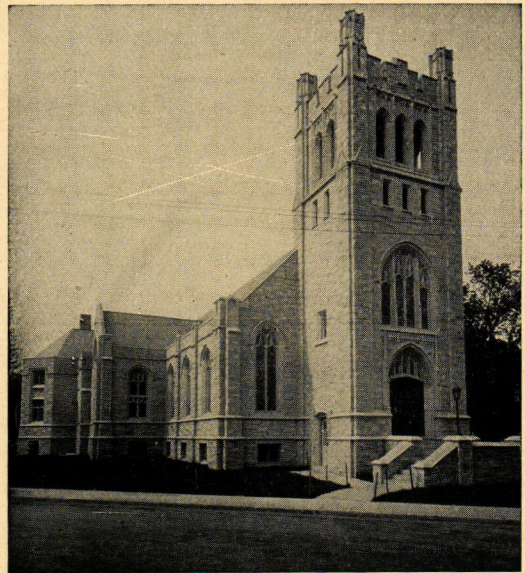
## DISTRIBUTORS WANTED

Exceptional sales volume and profits are enjoyed by "TIE-TO" distributors. "TIE-TO" products are used on both concrete and frame construction — on skyscrapers, schools and bungalows. Some Southern territory is still available to the best established and most progressive building supply distributors. Write or wire for complete particulars at once.

**TIE-TO INSERT COMPANY**

874 Layton Blvd., Milwaukee, Wis.

## MT. AIRY WHITE GRANITE

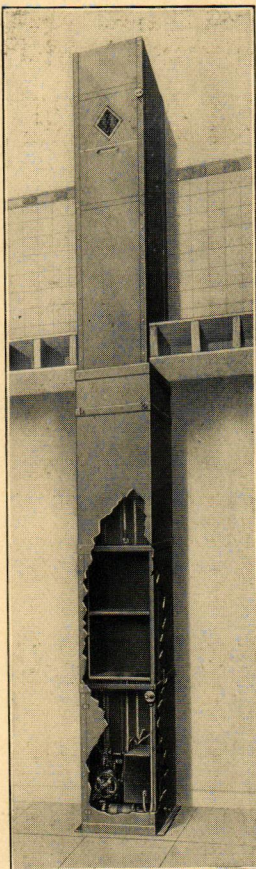


That happily blended aspect of quiet dignity and warm color tone so characteristic of Mount Airy Granite is charmingly reflected in this handsome church building.

Mount Airy Granite may be adapted to residence architecture with equally as pleasing results, especially is it effective in English and Georgian Work.

LITERATURE GLADLY SENT UPON REQUEST

**NORTH CAROLINA GRANITE CORPN.**  
MT. AIRY, N. C.



## TELEVATORS

*The Latest Development in Vertical Conveying of Food or Material*

No Construction

No Installation

Televators are portable electric dumbwaiters, entirely self-contained in telescopic steel cabinets for service between two connecting floors. They are delivered completely assembled, ready for service, and, with the floor opening previously prepared, can be placed in operation by any handy-man in less than one hour.

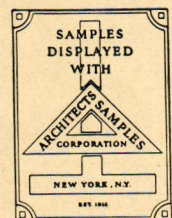
**THE TELEVATOR CORPORATION**

269 West 23rd Street  
New York



IT is only natural that you should specify C & S Shower Stall Doors.

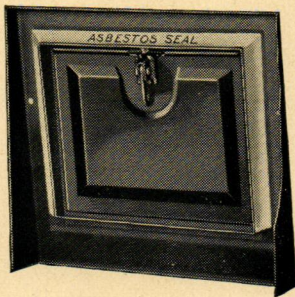
They are unequalled in beauty of design, in soundness of construction, and in performance. In addition, they are waterproof.



NONPAREIL MODEL  
Patented

You will want a copy of our new catalogue

**Crist & Schilken Company, Inc.**  
500-508 37th Street, Pittsburgh, Pa.



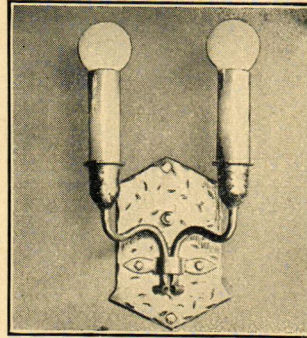
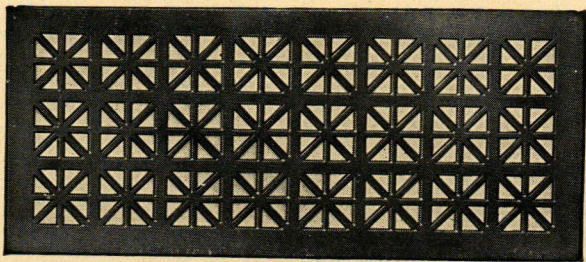
**Pro-Tex-Wall**

Steel Baseboard  
Registers  
for Residence  
Heating  
have Patented  
Exclusive  
Features

**The AUER REGISTER CO.**  
Cleveland, Ohio.

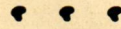
Fabricates all types of floor, wall, and ceiling Heating and Ventilating Registers, also Wrought Metal Grilles in Steel, Brass and Bronze, any size, many designs, and standard finishes.

*Dixieland inquiries invited*

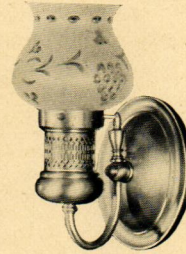


**Architects**

MAY SAFELY SPECIFY Dale Fixtures for all types of homes wherever better quality and workmanship, combined with taste, is appreciated.



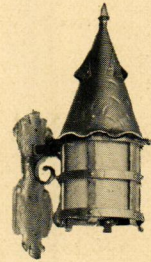
Write for  
photo-  
graphs—  
stating type  
of house



Our "Direct-to-You Plan" means a substantial saving for your client.

Fixtures of rare beauty in  
OLD ENGLISH, SPANISH, ITALIAN  
AND EARLY AMERICAN DESIGNS

EST. **DALE** 1884  
LIGHTING FIXTURE COMPANY  
103 WEST 13<sup>TH</sup> ST. NEW YORK CITY



DAYTON

**THE DAYTON FIRE DOOR Co.**

ANNOUNCES THE APPOINTMENT  
OF

MR. STRAFFORD R. HEWITT  
610 WALTON BLDG.  
ATLANTA, GA.

AS

FACTORY REPRESENTATIVE IN THE  
ATLANTA DISTRICT

MR. HEWITT'S OFFICE IS NOW EQUIPPED  
TO FURNISH YOU WITH QUOTATIONS

ON

KALAMEIN AND TIN CLAD  
DOORS  
ELEVATOR ENCLOSURES

AND

SMOKE SCREENS  
UNDERWRITERS LABEL

**THE DAYTON FIRE DOOR Co.**  
DAYTON, OHIO

ATLANTA



**BRONZE SASH CHAINS**

MADE IN

"RED METAL" :: { SOLID BRONZE }

"GIANT METAL" } PHOSPHOR BRONZE }

ALSO

**STEEL SASH CHAINS**

Smith & Egge Sash Chains will be found in practically all of the prominent buildings of the South

*Send for Sash Chain Catalog A-1*

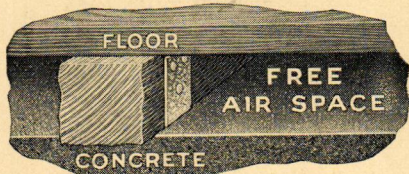
**THE SMITH & EGGE MFG. CO.**

BRIDGEPORT, CONN.

ORIGINATORS of SASH CHAINS



## PREVENTS DRY ROT

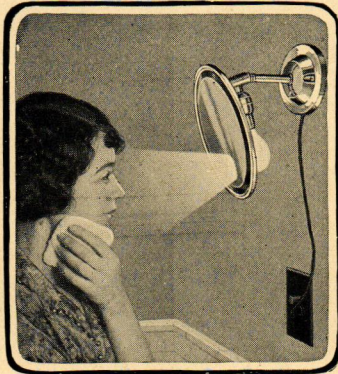


25,000,000 Bull Dog Floor Clips now anchoring wood floors over concrete. "Put the Bull Dog on your pay-roll."

**The Bull Dog Floor Clip Co.**  
108 North 1st Ave., Winterset, Iowa  
15 warehouse stocks 135 distributors

THE free air spaces under floors anchored by Bull Dog Floor Clips, prevent sleeper rot . . . often doubling floor life. It is true and important that Bull Dog Floor Clips mean lower cost, faster work, and sounder floors.

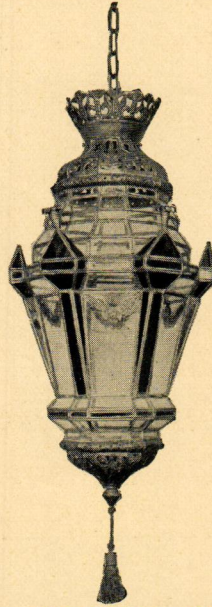
### A New Bathroom Appointment of Noteworthy Distinction



**THE LUX-O-LITE** Mirror is a wonderful new convenience for the up-to-date bathroom and boudoir. It effectively focuses soft, diffused light on the face of the user, yet without unpleasant glare. Furnished in various suitable finishes. Complete descriptive literature on request. Distributed by Bull Dog Floor Clip Company, 108 North First Avenue, Winterset, Iowa.

## SPANISH LANTERNS

*"Faroles"*



In tin, copper or brass, with plain, cathedral or colored glass. Also wall and ceiling lights, majority reproductions of antique originals, 142 models. Jobbers, architects and interior decorators gladly supplied with illustrated catalogue.

Wrought iron lamps and torches made true to Spanish traditions by Spanish craftsmen.

Furniture, pottery, tiles and everything else produced in Spain for furnishing and decorating. Send for booklet.

INDUSTRIAS DE ARTE ESPANOL REUNIDAS  
MADRID SPAIN

American Associates

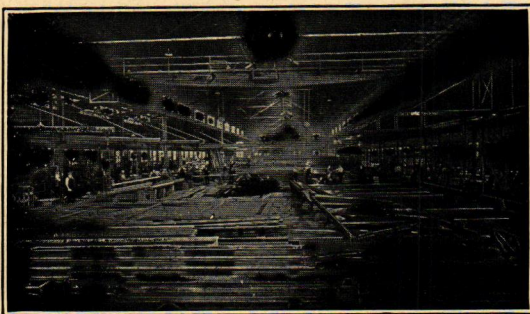
**MANUEL CARAGOL & SON, INC.**

Established 1903

340 EAST 44TH STREET NEW YORK CITY

## INTERNATIONAL STEEL & IRON CO.

ADDRESS DEPT 14  
EVANSVILLE, INDIANA



INTERIOR VIEW OF OUR STRUCTURAL STEEL PLANT

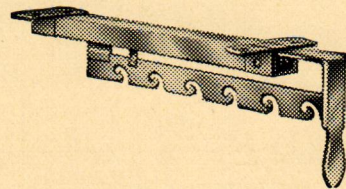
The GREAT AND CERTAIN STRENGTH of a sturdy frame of steel is a guarantee of permanence in any type of building

**LARGE STOCK OF BETHLEHEM AND STANDARD SHAPES**

INTERESTING PRICES :: PROMPT DELIVERIES  
**CALL ON US FOR SERVICE**

**STRUCTURAL STEEL AND IRON, MODERN STORE FRONTS, GARAGES, FACTORIES, WAREHOUSES, COAL TIPILES, HIGHWAY BRIDGES, STEEL LUMBER, REINFORCING, STEEL WINDOWS, STEEL CEILINGS, ROOF VENTILATORS, CORNICES, ELEVATORS, SKYLIGHTS, ROOFING AND SIDING, MILL-WORK AND GLASS**

## RITE-WAY GARMENT-FIXTURE



*To Sell Homes!*

Give **HOME BUYERS** APARTMENT CONVENIENCES and **INCREASED CLOSET SPACE**

*For details write*

**MILWAUKEE STAMPING CO.**

Department 5

WEST ALLIS, MILWAUKEE, WIS.

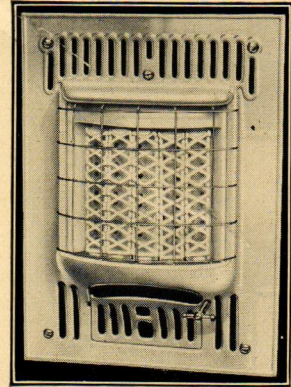
# Radiant Type Wall Heater

The modern bathroom is not completely equipped without a  
**GAS WALL HEATER**

Due to the large demand we are having for Colored Bathroom Heaters, we are now furnishing our GLOWFIRE NO. 5 Radiant Type Wall Heater in *Orchid, White, Red, Yellow, Blue, Sea Green, Tan and Black.*

WRITE FOR PRICES

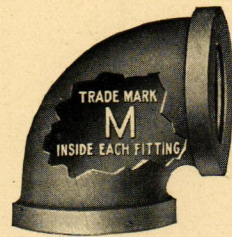
Manufactured by  
**GAS APPLIANCE DIVISION, THE TROLLEY SUPPLY CO.**  
 MASSILLON, OHIO



## How about the Brass Fittings in that new building? By Specifying ACHESON BRASS FITTINGS

Here's what you get:

1. All perfect fittings determined by rigid test.
2. All made of Red Metal—the finest quality.
3. All of full weight, carefully machined and attractively designed.
4. Will readily pass inspection and eliminate costly replacements.
5. They are no more expensive than those of inferior quality.



Carried in Stock  
 by Southern Jobbers

**Acheson Manufacturing Co.**  
 Rankin, Pennsylvania

# REED-POWERS CUT STONE CO., INC.

Cut Stone Contractors  
 and  
Quarrymen

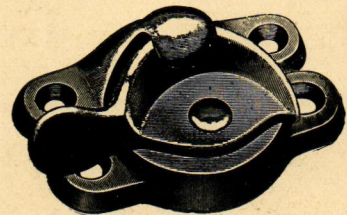
**BEDFORD, INDIANA**

QUALITY HARDWARE SINCE 1876

## The Crescent Sash Fastener

SIMPLE  
 STRONG  
 SAFE

SUITABLE  
 SIZES  
 FOR ALL  
 BUILDINGS



Manufactured only by  
**THE H. B. IVES CO.**  
 NEW HAVEN, CONN., U. S. A.

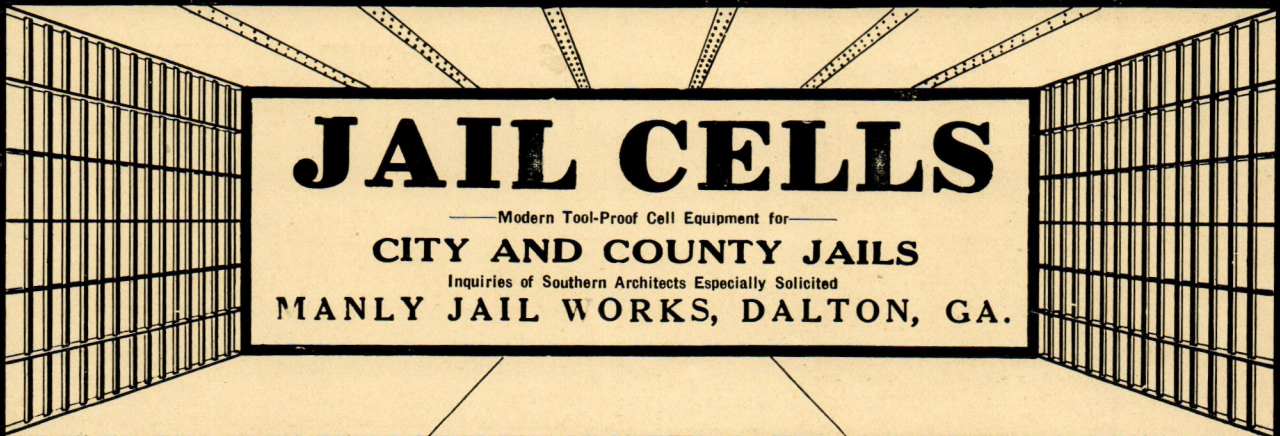
# JAIL CELLS

—Modern Tool-Proof Cell Equipment for—

**CITY AND COUNTY JAILS**

Inquiries of Southern Architects Especially Solicited

**MANLY JAIL WORKS, DALTON, GA.**

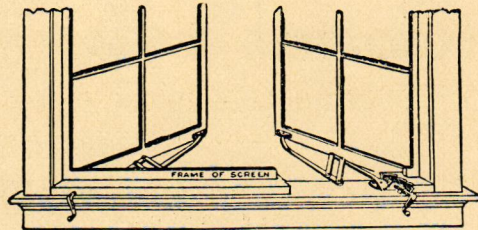


**SOUTHERN CUT STONE CO.**

INCORPORATED

BOWLING GREEN, KY.

We specialize in Bowling Green, Ky., stone. In considering an attractive Building Stone write for samples.



Pat. Oct. 24, 1922

**EVERLOCK CASEMENT SASH ADJUSTER**

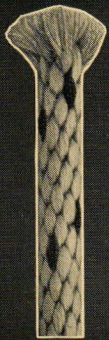
For any outswinging sash, in any building, old or new, operated from the inside without disturbing the screen. Securely locked at all times.

Manufactured by

W. E. PUTNAM COMPANY, INC.

667 W. BOYLSTON ST.

WORCESTER, MASS.



**SAMSON SPOT SASH CORD**

MADE of extra quality stock, carefully inspected, and guaranteed free from imperfections of braid or finish. No adulteration to increase weight and decrease wear.

SEND FOR CATALOG AND SAMPLES

**SAMSON CORDAGE WORKS**  
BOSTON, MASS., U.S.A.

TRADE-MARK  
REG. U.S.  
PAT. OFF.

**SANITARY BRICK**

The "Sparta" is acknowledged and admitted to be the most perfect and most satisfactory glazed brick on the market. Uniform in size, never craze or chip off. Permanent in color and finish. "Sparta" Brick are also made in lemon, orange, old gold, and many other shades, both glazed and unglazed.

The most profitable line on the market for live agents to handle. High-class goods with character in them that build high-class reputation for dealers.

We Have Open Territory—Write Us

**The Federal Clay Products Co.**

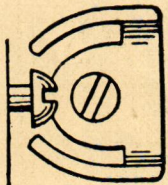
Palace Block, Mineral City, Ohio

We make mixed Carload Shipments

MANUFACTURERS OF

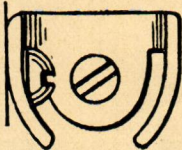
Building Brick, Face Brick, High-Grade Fire Brick, Ground and Crude Fire Clay, Salt Glazed Brick of the Finest Quality

**BLECK'S SASH and SCREEN LOCK**



This "LOCK" has further uses than named and shown. If used on screen-doors, storm-doors, ventilators, blinds, shutters, screen-coolers, etc., place a washer in back of lock, turn prong of lock into the loop of a 1/4-inch screw-eye. A handy useful device for every home. Retail price 5 cents.

Dealers write today for sample and wholesale price.

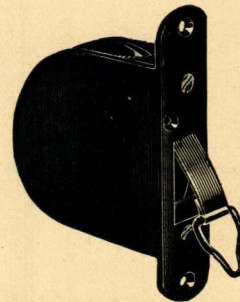


**HERMAN BLECK**

Inventor - Manufacturer

415 Eaton Street Hammond, Indiana

**CALDWELL SASH BALANCES**



Permit frames to be mortised at the mill to one size

Box frames unnecessary, hence for remodeling old windows are indispensable. Counter-balances sashes perfectly. Thirty-six years' satisfactory service is your assurance of quality.

Write for Booklet—

"Suggestions for the Present Day Architect"

**CALDWELL MFG. COMPANY**

39 JONES ST.

ROCHESTER, N. Y.

**THE PHOENIX IRON CO.**

MANUFACTURERS OF OPEN HEARTH Structural Steel Shapes, Beams, Channels, Angles and Ship Shapes

Works: Phoenixville, Pa. Main Offices: Philadelphia, Pa.

OFFICES:

32 S. 15th St., Philadelphia 30 Church St., New York  
Munsel Bldg., Washington 110 State St., Boston  
City Svcs. Bk. Bldg., Albany, N. Y. 26 Victoria St., London

**THE PHOENIX BRIDGE CO.**

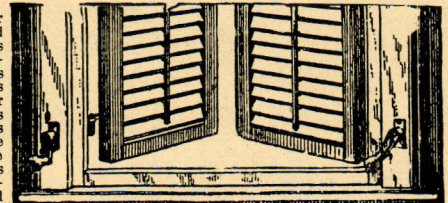
Engineers, Fabricators and Erectors Bridges and Other Structures of Steel

CAPACITY 60,000 TONS

Works and Engineering Office: PHOENIXVILLE, PA.

**MALLORY SHUTTER WORKERS**

Mallory Shutter Workers fill a need long felt. There is no chance of damage to curtains or floor coverings when the Shutter Worker is used as the window does not have to be opened to operate the shutter. It is all done from inside with a small ornamental crank or handle which improves the finish of the room. In stormy weather with shutters bowed together and handles slightly tightened you will find all necessary ventilation can get in through opened window without having the snow or rain ruining inside woodwork or other articles in the bed room. Easy to install and by using the direction cards sent out with orders any good carpenter can place them on your dwelling in a little time. Have in many types to handle almost any style of shutter or installation, whether ordinary frame house shutters or deeply recessed in stone or brick which can be handled with six-inch throw workers.



Mention Southern Architect and address  
**MALLORY MFG. CO.** No. 776 Broad St., FLEMINGTON, N. J.



## Architects Have Recognized The Importance of Specifying

### Kuhls' Elastic Waterproofing Compositions

They have proven the test by being subject to the most extreme conditions on all types of construction in every part of the world for the last forty years.

**CAULKING**—For caulking between masonry of window and door frames of wood or steel.

**POINTING UP**—For copings, tops of cornices, flashings, joining of tin roofs to walls and all other projecting courses in stone or terra cotta work.

**SEAM**—For expansion joints in terrazzo tile roofs, swimming pools, bedding slate and tile roofs. For all joints on a horizontal plane.

**EXPANSION JOINT**—For tile roofs, domes, etc. All joints on an incline where a great deal of expansion and contraction takes place.

**GLAZING**—For Skylights, conservatories bedding and glazing of glass in steel or sheet metal frames and all other glass construction work.

Any color to match any surface, all compositions.

*Write us for samples or further information*

## H. B FRED KUHL'S

Sole Manufacturer

6413 THIRD AVE.

BROOKLYN, N. Y.

## THE AMBLUCO NON-SLIP BLUE STONE STAIR TREADS and LANDINGS

### ECONOMICAL

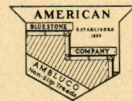
Many installations for years back fully demonstrates the savings effected by the use of AMBLUCO treads.

Their superior durability over most treads renders an extremely low ultimate cost.

No maintenance whatsoever—no resurfacing, no resetting or tightening, no replacing—are required for the AMBLUCO Non-Slip Treads and Landings.

The facility with which they can be set on the regular types of fabricated or pressed steel stair construction eliminates the high expense of special designed steel members. The standard 2-inch AMBLUCO Treads, when set with full packed 1/4-inch end joints and thin bed joints to take up unevenness of the steel work, do not rock or require dowels.

NON-SLIP \* DURABLE \* FIRE-RESISTING \* QUIET  
\* SANITARY \* ATTRACTIVE \* ECONOMICAL



**AMERICAN BLUE STONE CO.**

CONSULTING and SALES OFFICE

101 PARK AVE.

NEW YORK

Reg. U. S. Pat. Office

SHALE ROUGH TEXTURE



SMOOTH FACE BRICK



HOLLOW TILE



COMMON BRICK

The architect who writes into his specifications the name RICHTEX can rest assured that he is giving his client Burned Clay Products of extra fine quality

You should have a few samples in your office  
*May we ship them today?*

**RICHLAND SHALE PRODUCTS COMPANY**  
COLUMBIA, SOUTH CAROLINA

## Master - METAL WEATHERSTRIPS

Are in great demand throughout the country for Homes, Apartments, Schools and Office Buildings. Hundreds of installers have found them more efficient and easier to install because they are accurately made of finest materials yet.

THEY COST NO MORE



WRITE TODAY FOR THIS ILLUSTRATED PAMPHLET AND SAMPLES OF ALL STRIPS. LET US EXPLAIN OUR AGENCY PROPOSITION - MANY GOOD TERRITORIES STILL OPEN

**MASTER METAL  
STRIP SERVICE**

MANUFACTURERS OF

Metal Weatherstrips and  
Calking Compound

1720 N. Kilbourn Ave.

CRAIN STA. CHICAGO, ILL.

**BILCO METAL HATCHWAYS**  
 For the Home  
 and Everything in **ORNAMENTAL**  
 or **MISCELLANEOUS IRON**  
 for the **BUILDER**

Railings, Stairs, Fire Escapes, Guards, Hangers,  
 Rods, Bolts, Anchors, Gratings, Door Bucks,  
 Corner Guards, Marquese, Etc., Structural  
 Shapes, Raw or Fabricated

MAY WE SEND DESCRIPTIVE MATTER?  
**BUILDERS IRON CO., Inc.**  
 NEW HAVEN, CONN.

**OXBLOOD QUARRY TILES**  
 Beautiful in Color Harder than Steel  
 Really 1" Thick  
 Sizes: 6x6, 4x4, 9x9, 6x9  
 Three Shades  
 DARK RED, DEEP RED, BRIGHT RED  
 Three Qualities  
 CHOICEST, COMPETITIVE, SECONDS

Write for Illustrated, Indexed Folder  
**KUSHEQUA KERAMIC CO.**  
 KUSHEQUA PENNSYLVANIA  
 ELISHA K. KANE, LESSEE, KUSHEQUA, PA.

THE SUPERIOR QUALITIES  
 OF  
**PITTSBURGH  
 CAULKING  
 COMPOUNDS**

HAVE BEEN DEMONSTRATED IN  
 THOUSANDS OF INSTALLATIONS  
 WHY EXPERIMENT

**PITTSBURGH CAULKING COMPANY**  
 FULTON BLDG. PITTSBURGH, PA.

**ABSOLUTELY STORM PROOF** The Construction of  
**ROYAL**  
 Double Cone  
**VENTILATORS**



is such that a constant  
 Strong Upward move-  
 ment of air is main-  
 tained. Study the scien-  
 tific design of the ROYAL. No parts to get out of order  
 or require attention. It ventilates from the ground up.  
 DEPENDABLE-DURABLE-WEATHER PROOF

Catalog on request  
**Royal Ventilator Company,** 415 Locust Street  
 Philadelphia, Pa.

**BLACKBOARDS**  
 FOR ALL REQUIREMENTS

Duro Plate  
 Permaroc  
 Enduraroc  
 Cork Bulletin Boards

Write for samples, prices and complete information  
**E. W. A. ROWLES COMPANY**  
 2345-51 SO. LA SALLE ST. CHICAGO, ILL.

**Bedford Cut Stone Co.**  
 Bedford, Indiana

Producers of the Very Best In  
**INDIANA LIMESTONE**

WELL SELECTED STONE  
 HIGH CLASS WORKMANSHIP  
 PROMPT SERVICE

Southeastern Representative  
 F. GRAHAM WILLIAMS BRICK CO., CANDLER BLDG., ATLANTA, GA.



**Steel Tanks  
 and Towers**

For Water Supply  
 and Fire Protection  
 ANY SIZE ERECTED  
 ANYWHERE

Manufacturers of  
 BOILERS and ENGINES  
**R. D. COLE MFG. CO.**  
 NEWNAN, GEORGIA  
 Established 1854


**BRIAR HILL SANDSTONE**

is a beautiful, warm toned, and reasonably priced build-  
 ing material available in either plain buff or variegated  
 colors ranging from light gray, buff and pink, to dark  
 chocolate and purple shades.

It is marked, banded and mottled with contrasting yet  
 harmonious colors as permanent as the stone itself, making  
 a wonderful medium for the Architect who strives for a  
 color effect.

Write us for samples or further information  
**The Briar Hill Stone Company**  
 GLENMONT, OHIO  
 SEE OUR CATALOGUE IN SWEET'S  
 Southeastern Representative  
 F. GRAHAM WILLIAMS BRICK CO., CANDLER BLDG., ATLANTA, GA.

# Save 1/2 Your Coal Bill

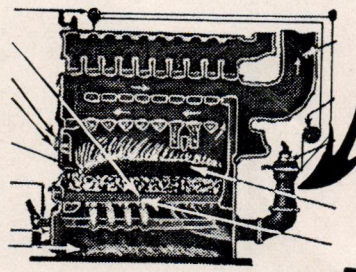


*With the only scientifically constructed Coal Burning Blower made*

**COPPUS BLOWER** solves your heating problem in Homes, Dwellings, Office Buildings, Garages, Churches, Schools, Public Buildings, in fact wherever heat is wanted. **A COPPUS BLOWER** makes your heater modern. More heat per ton of coal, less waste, burns any grade of coal. Anyone can operate a **COPPUS BLOWER**.

**REGISTERED COPPUS US PAT OFFICE SOLVES THE HEATING PROBLEM**

**INTERNATIONAL FUEL SERVICE CORP.**  
Sole Distributors in the United States and Canada  
**BRIDGEPORT, CONN.**



**C**—omfort under control  
**O**—ld grates used  
**M**—ost any kind of anthracite  
**B**—oiler efficiency raised  
**U**—se less coal in most cases  
**S**—upply more uniform heat  
**T**—akes less time to get heat  
**I**—nefficiencies and losses reduced  
**O**—ld draft troubles eliminated  
**N**—o sealing up of ash pit

**ROBERT S. NEWCOMB**  
CONSULTING ENGINEER  
*Member American Society of Mechanical Engineers*

WALTON BLDG. ATLANTA, GA.  
Plans and Specifications for Mechanical and Electrical Equipment for Commercial and Industrial Buildings

**CAPITAL ELECTRIC COMPANY**  
Formerly  
THE LIGHTING FIXTURE STUDIO  
OF  
CARTER ELECTRIC COMPANY

7 AUBURN AVE. ATLANTA, GA.

**BIRMINGHAM PAINT & GLASS CO.**  
JOBBER & MANUFACTURERS

2021 Fourth Avenue  
BIRMINGHAM - - ALABAMA

**DODGE, DANIELS & SHOOK**  
A CORPORATION

**Guild Set Tiles**  
TILE CONTRACTORS

3023 6TH AVE., SOUTH BIRMINGHAM, ALA.

BIRMINGHAM  
**THE J. L. HOFFMAN COMPANY**  
INCORPORATED  
*Landscape Architects*

CANDLER ANNEX ATLANTA, GEORGIA

**DUNLAP and COMPANY**  
Established 1895

General Agents—Casualty Insurance &  
Surety Bonds—Real Estate Financing

**Atlanta, — Georgia**  
Candler Building

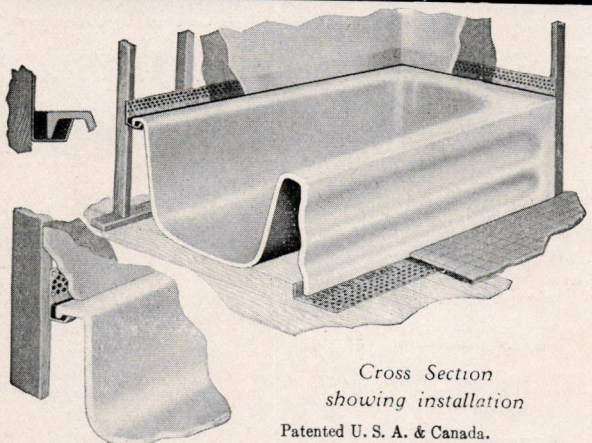
**JOHNSON ROOFING COMPANY**  
*Contractors*

SLATE and TILE ROOFS

101 Hurt St. Atlanta, Georgia  
Phone Ivy 5713

**WAGAR & COMPANY**  
*General Contractors*

414-16 Norris Bldg. Atlanta, Ga.



**LUCKE LEAK PROOF TUB HANGERS**  
Will Overcome Your *Biggest* Bath Tub Problem

NO LEAKS NO CRACKS

Guaranteed to:

1. Prevent Tub from Settling.
2. Prevent Tub from Leaking Around Edges.
3. Prevent Ruined Ceilings and Walls below Bathroom.
4. Eliminates Redecorating Bills.
5. Eliminates Retiling and Replastering Around Tub.

EASY TO INSTALL ECONOMICAL

*Sold Through Plumbing Supply Houses*

**WILLIAM B. LUCKE**  
*Manufacturer*

WILMETTE ILLINOIS  
P. O. BOX 130—DEPT. "S"

**GARBAGE DISPOSAL**

"Solve your garbage and refuse disposal problem at initial planning."



**SAN-A-TOR**

**Portable and Wall Type**  
Incinerators will satisfy all your demands. Our engineers and services are yours to command.

**APARTMENT HOUSE INCINERATORS**

Built in as a part of the chimney.  
*Catalogue upon request*

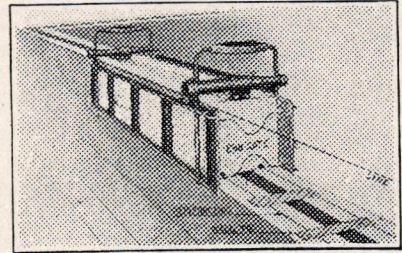
**PITTSBURG INCINERATOR COMPANY**  
Mt. Washington P. O. Pittsburgh, Pa.

**BUILD THE HOLLOW WALL WAY**

TWO WALLS FOR THE PRICE OF ONE

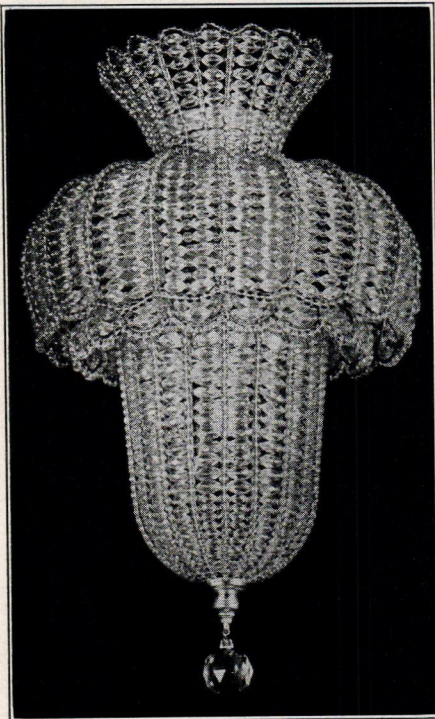
With a dead air between them that gives perfect insulation at no extra cost.

Our new molds are the result of many years of effort and we feel justified in saying they are the strongest, lightest and the most easily operated mold on the market. They will build double or solid walls and are guaranteed, and our prices are the lowest.



Send for Literature

**THE UNIVERSAL CEMENT MOLD CO.**  
NORTH MILWAUKEE, WIS.



Cut Crystal Chandeliers are coming into popularity again, not only for the decoration of Palatial Mansions, but for use in Show Windows, Hotels, Theatres, Halls and Apartments

**J. J. WYLE & BROS., Inc.**

18-20 W. 27th St., New York

Importers and Manufacturers Cut Crystal Chandeliers



**WOOD MANTEL-PIECES**

Reproductions of the best designs of past periods, modified only in size and lines to meet present day requirements

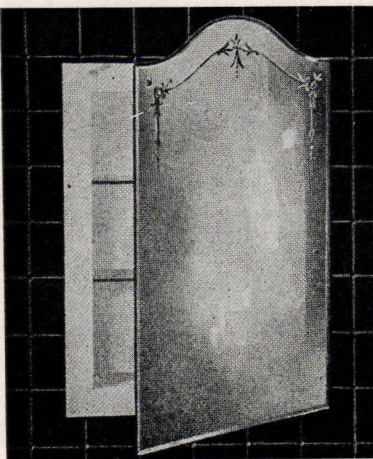
*Catalog showing over sixty-six designs sent on request*

Sold only thru our established agencies

**Columbia Mantel Co., Inc.**

LOUISVILLE, KY.

"Masters of fine cabinet work since 1905"



**The New Excel Venetian Recess Cabinets**

Excel metal cabinets are of the highest quality and are priced within the reach of all. A most complete line of cabinets to select from—32 styles in all, including six styles of venetian vanity type cabinets.

The following features will be found in Excel Venetian and Vanity type cabinets:  
Doors hung on invisible hinges, and doors strike against rubber bumpers; mirror supported by ledge at bottom of door and held in position by metal clips of non-tarnishing or corrosive material; mirrors are of the highest quality beveled plate glass with a very artistic design cut into the mirror; these cabinets have adjustable plate glass shelves supported by aluminum brackets; body of cabinet heavy metal furniture steel and finished with the highest quality baked enamel; we guarantee Excel construction features will prevent mirror breakage when cabinet is in use; Excel cabinets measure up to the name Excel.

If you desire the best cabinet that can be obtained at the lowest possible price, write us today for complete information and prices.

Other products manufactured by the Excel Metal Cabinet Company are metal kitchen cabinets, hospital cabinets, ironing board cabinets, and package receiver cabinets.

**Excel Metal Cabinet Company, Jamestown, New York**

EXCEL METAL CABINET CO.  
Jamestown, New York  
Please send me your free catalog and prices.  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Town \_\_\_\_\_  
State \_\_\_\_\_

# SPECIFICATION AND BUYERS' INDEX

See Alphabetical Index Page 98

|  |  |
|--|--|
| <b>A</b>   |  |
| AISLE LIGHTS   |  |
| Kausalite Mfg. Co., Chicago, Ill. .... *                                       |  |
| ART BRONZE   |  |
| Edw. G. Reinhardt Mfg. Co., Cincinnati, Ohio. .... 83                          |  |
| <b>B</b>   |  |
| BALANCES—Sash, etc.  |  |
| Caldwell Mfg. Co., Rochester, N. Y. .... 90                                    |  |
| BANK FIXTURES  |  |
| Edw. G. Reinhardt Mfg. Co., Cincinnati, Ohio. .... 83                          |  |
| BATHROOM EQUIPMENT—Cabinets, etc.  |  |
| Excel Metal Cabinet Co., Jamestown, N. Y. .... 94                              |  |
| BLACKBOARDS  |  |
| E. W. A. Rowles Co., Chicago, Ill. .... 92                                     |  |
| K-M Supply Co., Kansas City, Mo. .... 33                                       |  |
| Knickerbocker Slate Co., New York, N. Y. .... 32                               |  |
| Pennsylvania Structural Slate Co., Easton, Pa. .... 95                         |  |
| BLINDS—Venetian  |  |
| Burlington Venetian Blind Co., Burlington, Vt. .... 81                         |  |
| BOILERS AND TANKS—Hot Water, etc.  |  |
| Lombard Foundry, Machinery, Boiler Works & Supply Store, Augusta, Ga. .... 100 |  |
| BRICK—Face and Fire  |  |
| Richland Shale Products Co., Columbia, S. C. .... 91                           |  |
| Stark Brick Co., Canton, Ohio. .... 78   |  |
| A. J. Bohn, Atlanta, Ga. .... 76   |  |
| F. Graham Williams Brick Co. .... 76   |  |
| The Wyandot Clay Products Co., Upper Sandusky, Ohio. .... 80                   |  |
| Yadkin Brick Yards, New London, N. C. .... 1                                   |  |
| BRICK, COLONIAL  |  |
| Yadkin Brick Yards, New London, N. C. .... 1                                   |  |
| BRONZE, BRASS—Ornamental, etc.   |  |
| The Fortman Co., New York, N. Y. .... 85                                       |  |
| Edw. G. Reinhardt Mfg. Co., Cincinnati, Ohio. .... 83                          |  |
| BUILDERS' HARDWARE AND SUPPLIES  |  |
| H. B. Ives Co., New Haven, Conn. .... 89                                       |  |
| Lombard Foundry, Machinery, Boiler Works & Supply Store, Augusta, Ga. .... 100 |  |
| BUILDING PAPERS  |  |
| Safepack Mills, Inc., Millis, Mass. .... 25                                    |  |
| <b>C</b>   |  |
| CABINET WORK   |  |
| Schimmel & Co., Faribault, Minn. .... 24                                       |  |
| CAULKING COMPOUNDS   |  |
| Pittsburgh Caulking Co., Pittsburgh, Pa. .... 92                               |  |
| Toch Bros., New York, N. Y. .... Bk. Ins. Cov.                                 |  |
| CELLAR DRAINERS  |  |
| Penberthy Injector Co., Detroit, Mich. .... 34                                 |  |
| CEMENT   |  |
| Atlas Portland Cement Co., New York, N. Y. .... *                              |  |
| Georgia Cement & Products Co., Birmingham, Ala. .... *                         |  |
| National Cement Co., Birmingham, Ala. .... 18                                  |  |
| Portland Cement Association, Chicago, Ill. .... *                              |  |
| Signal Mountain Portland Cement Co., Chattanooga, Tenn. .... 31                |  |
| CHURCH FURNITURE   |  |
| DeLong Furniture Co., Philadelphia, Pa. .... 6                                 |  |
| CONCRETE MOLDS, FORMS  |  |
| " Tie-To " Insert Co., Milwaukee, Wis. .... 86                                 |  |
| Universal Cement Mold Co., North Milwaukee, Wis. .... 94                       |  |
| <b>D</b>   |  |
| DOORS—Interior, Elevators, Kalamein, Bronze, Steel                             |  |
| Peelle Company, Brooklyn, N. Y. .... 16  |  |
| Reliance Bronze & Steel Corp., Brooklyn, N. Y. .... 30                         |  |
| DOORS—Showerstalls   |  |
| Crist & Schilken Co., Inc., Pittsburgh, Pa. .... 86                            |  |
| Edw. G. Reinhardt Mfg. Co., Cincinnati, Ohio. .... 83                          |  |
| DUMB WAITERS   |  |
| Televator Co., New York City. .... 86  |  |
| <b>E</b>   |  |
| ELECTRIC SUPPLIES—Panelboards, Conduits, etc.                                  |  |
| Frank Adam Electric Co., St. Louis, Mo. .... 27                                |  |
| Capital Electric Co., Atlanta, Ga. .... 93                                     |  |
| Metropolitan Electric Mfg. Co., Long Island City, N. Y. .... 96                |  |
| National Electric Products Corp., Pittsburgh, Pa. .... 14                      |  |
| ELEVATORS  |  |
| American Elevator & Machine Co., Inc., Louisville, Ky. .... 100                |  |
| Otis Elevator Co., New York, N. Y. .... *                                      |  |
| ELEVATOR DOORS, ETC.   |  |
| Evans Elevator Equalizer Co., Bedford, Ind. .... 83                            |  |
| Peelle Company, Brooklyn, N. Y. .... 16  |  |
| The Tyler Co., Cleveland, O. .... 36   |  |
| ENGINEERS and BUILDERS   |  |
| Robt. S. Newcomb, Atlanta, Ga. .... 93   |  |
| The Flagler Co., Atlanta, Ga. .... 76  |  |
| <b>F</b>   |  |
| FLOOR ACCESSORIES  |  |
| Floor Accessories Co., Inc., Kansas City, Mo. .... 77                          |  |
| FLOORING—Hardwood  |  |
| Arkansas Oak Flooring Co., Pine Bluff, Ark. .... 15                            |  |
| E. L. Bruce Co., Memphis, Tenn. .... 15  |  |
| *Ce'lized Oak Flooring, Inc., Memphis, Tenn. .... 15                           |  |
| The Long-Bell Lumber Co., Kansas City, Mo. .... 15                             |  |
| Nashville Hdw. Flooring Co., Nashville, Tenn. .... 15                          |  |
| Toch Bros., New York, N. Y. .... Bk. Ins. Cov.                                 |  |
| FLOORING—Steel   |  |
| Kerlow Steel Flooring Co., Jersey City, N. J. .... 85                          |  |
| FLOOR CLIPS  |  |
| Bull Dog Floor Clip Co., Winterset, Iowa. .... 88                              |  |
| <b>G</b>   |  |
| GLASS  |  |
| Miss. Wire Glass Co., New York City. .... 7                                    |  |
| GLAZING COMPOSITIONS   |  |
| H. B. Fred Kuhls, Brooklyn, N. Y. .... 91                                      |  |
| Toch Bros., New York, N. Y. .... Bk. Ins. Cov.                                 |  |
| GRANITE  |  |
| N. C. Granite Co., t. Airy, N. C. .... 86                                      |  |
| GRILLS—Radiator  |  |
| Winchester Radiator Cabinet Co., Chicago, Ill. .... 75                         |  |
| <b>H</b>   |  |
| HEATING EQUIPMENT—Electric, Oil, Steam, etc.                                   |  |
| Automatic Electric Heater Co., Philadelphia, Pa. .... Fr. Ins. Cov.            |  |
| Bennet Heater Co., Inc., Norwich, N. Y. .... Bk. Ins. Cov.                     |  |
| Bryan Steam Corp., Peru, Ind. .... 38  |  |
| Clow, Jas. B. & Co., Chicago, Ill. .... *                                      |  |
| Dahlquist Mfg. Co., Boston, Mass. .... 75                                      |  |
| Dunham Co., C. A., Chicago, Ill. .... 38                                       |  |
| Kausalite Mfg. Co., Chicago, Ill. .... *                                       |  |
| Meyer Furnace Co., Peoria, Ill. .... *   |  |
| F. Meyer & Bro. Co., Peoria, Ill. .... 21                                      |  |
| National Pipe Bending Co., New Haven, Conn. .... Bk. Ins. Cov.                 |  |
| Payne Furnace & Supply Co., Beverley Hills, Calif. .... 17                     |  |
| Oakland Foundry Co., Belleville, Ill. .... Fr. Ins. Cov.                       |  |
| International Fuel Service Corp., Bridgeport, Conn. .... 93                    |  |
| HEATING FIXTURES—Warm Air Pipe, etc.   |  |
| Atlanta Weir Furnace Co., Atlanta, Ga. .... 76                                 |  |
| Caloric Furnace Co., Atlanta, Ga. .... 76                                      |  |
| <b>I</b>   |  |
| INCINERATORS   |  |
| Economy Incinerator Co., Milwaukee, Wis. .... 85                               |  |
| Home Incinerator Co., Milwaukee, Wis. .... 13                                  |  |
| Pittsburgh Incinerator Co., Pittsburgh, Pa. .... 94                            |  |
| Sanitary Equipment Co., Kansas City, Mo. .... 79                               |  |
| INK—Drawing  |  |
| Pelican Works, New York, N. Y. .... 81   |  |
| INSERTS & METAL HANGERS  |  |
| " Tie-To " Insert Co., Milwaukee, Wis. .... 86                                 |  |
| INTERIOR DECORATORS  |  |
| IRON AND STEEL—Structural and Ornamental                                       |  |
| Carolina Steel & Iron Co., Greensboro, N. C. .... 96                           |  |
| Grainger & Co., Inc., Louisville, Ky. .... 76                                  |  |
| International Steel & Iron Co., Evansville, Ind. .... 88                       |  |
| McClintic-Marshall Co., Pittsburg, Pa. .... 100                                |  |
| Standard Steel Sections, Inc., New York, N. Y. .... 77                         |  |
| Superior Sheet Steel Co. .... 23   |  |
| <b>J</b>   |  |
| JAIL AND PRISON EQUIPMENT  |  |
| Manly Jail Works, Dalton, Ga. .... 89  |  |
| <b>L</b>   |  |
| LIGHTING FIXTURES  |  |
| Dale Lighting Fixture Co., New York City. .... 87                              |  |
| The Herwig Co., Chicago, Ill. .... *   |  |
| Horn & Brannen Co., Philadelphia, Pa. .... 81                                  |  |
| Kaylite Mfg. Co., New York, N. Y. .... 31                                      |  |
| Manuel Caragol & Son, New York, N. Y. .... 88                                  |  |
| J. J. Wyle & Bro., Inc., New York, N. Y. .... 94                               |  |
| LANDSCAPE ARCHITECT  |  |
| J. L. Hoffman & Co., Atlanta, Ga. .... 93                                      |  |
| W. C. Pauley, Atlanta, Ga. .... 76   |  |

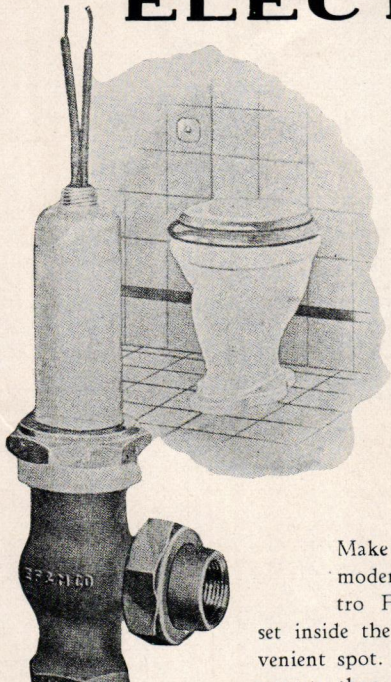
## PENNSYLVANIA STRUCTURAL SLATE CO., Inc.

**BLACKBOARDS**  
**STRUCTURAL SLATE**  
**FOR ALL PURPOSES**

**General Offices: 1st Natl. Bk. Bldg.**  
**EASTON, PA.**  
*"Yours for Prompt Service"*

**CLOSET STALLS**  
**SHOWER STALLS**  
**URINAL STALLS**

# ELECTRO



## Flush Valve

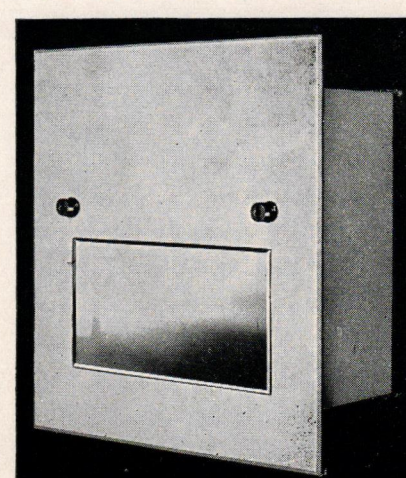
Make old bathrooms modern. Install an Electro Flush Valve, it is set inside the wall at any convenient spot. Costs no more to operate than a doorbell. Eliminates the tank and exposed flush valve. The price is very moderate. Drop us a line for all details including the name of our jobber in your territory.

**ELECTRO FLUSHING & MFG. CO.**  
 Manufacturers of the "Tews Valves", the Electric and Hand Operated Type  
 WEST ALLIS Box 53 WISCONSIN

## A NEW Recessed Wall Light


For Vestibules, Corridors, Subways and Hospitals

Indirect Light—No Lamps Visible  
 Ventilated—All Finishes



No. 218

**Metropolitan Electric Mfg. Co.**  
 14TH STREET AND EAST AVENUE  
 Long Island City, N. Y.



**BOYLE'S BAYONNE**  
 ROOF AND DECK CLOTH  
 Reg. U. S. Pat. Off.

# BAYONNE

## ROOF AND DECK CLOTH

We are pioneer manufacturers of Roof and Deck Cloth and offer architects a product which they may specify with confidence. Those who have recommended it have found its quality dependable—proved it under trying conditions and all kinds of weather. If you have never used Boyle's Bayonne Roof and Deck Cloth, we will gladly send you sample book "M" and the facts about its remarkable record.

**JOHN BOYLE & CO., Inc.**  
 Established 1861

112-114 DUANE ST. 70-72 READE ST.  
 NEW YORK CITY  
 Branch: 1317-1319 PINE ST., ST. LOUIS

# CAROLINA STEEL & IRON COMPANY

GREENSBORO, N. C.

SALES OFFICE:  
 709 Nissen Building - WINSTON-SALEM, N. C.

---

## Structural Steel

— FOR —

## Buildings and Bridges

---

Capacity 1000 Tons per Month  
 3000 Tons in Stock

---

*The Largest Steel Fabricators in the Carolinas.*

M

MAIL CHUTES, BOXES, ETC.

Cutler Mail Chute Co., Rochester, N. Y. . . . . 85

MANTELS

Arnold & North, New York City . . . . . 82  
 Jacobson Mantel & Ornament Co., New York, N. Y. . . . . 33  
 Columbia Mantel Co., Louisville, Ky. . . . . 94  
 Georgian Mantel Co., New York, N. Y. . . . . Fr. Ins. Cov.

MARBLE

Georgia Marble Co., Tate, Ga. . . . . 4

METAL CEILINGS

METAL DOORS

Reliance Fireproof Bronze & Steel Corp. . . . . 30

METAL LATHS

Wickwire Spencer Steel Co., New York, N. Y. . . . . 29

MILLWORK—Interior, Trim, etc.

Hartman-Sanders Co., Chicago, Ill. . . . . 9  
 Marshall Mfg. Co., Rome, Ga. . . . . Back Inside Cover

MORTAR COLOR

Chattanooga Paint Co., Chattanooga, Tenn. . . . . 92  
 Toch Bros., New York, N. Y. . . . . Bk. Ins. Cov.

P

PAINTS AND VARNISHES

Birmingham Paint & Glass Co., Birmingham, Ala. . . . . 93  
 Toch Bros., New York, N. Y. . . . . Bk. Ins. Cov.

PIPE—Wrought Iron

Pipe Railing Construction Co., Long Island City, N. Y. . . . . 100

PIPE ORGANS

Wurlitzer Co., Rudolph, Cincinnati, Ohio . . . . . 10

PLASTERING PRODUCTS

John H. Price, Brooklyn, N. Y. . . . . 82

PLUMBING—Supplies, Fixtures

Abingdon Sanitary Mfg. Co., Abingdon, Ill. . . . . 2  
 Acheson Mfg. Co., Braddock, Pa. . . . . 89  
 Beaton & Cadwell Mfg. Co., New Britain, Conn. . . . . 74  
 Century Brass Works, Belleville, Ill. . . . . 99  
 Electro Fushing & Mfg. Co., West Allis, Wis. . . . . 6  
 Wm. B. Lucke, Wilmette, Ill. . . . . 93  
 Norman-Boosey Mfg. Co., Detroit, Mich. . . . . 19  
 Wheeling Sanitary Mfg. Co., Wheeling, W. Va. . . . . 22

PUMPS—Vacuum Heating, etc.

Ideal Pump Co., Detroit, Mich. . . . . 99  
 Weil Pump Co., Chicago, Ill. . . . . 84

R

RADIATORS—Steam, Gas, etc.

Trolley Supply Co., Massillon, Ohio . . . . . 89

RADIATOR ENCLOSURES, REGISTERS

Auer Register Co., Cleveland, Ohio . . . . . 87  
 Winchester Radiator Cabinet Co., Chicago, Ill. . . . . 75

REFRIGERATORS

Herrick Refrigerator Co., Waterloo, Iowa . . . . . 83

ROOFING—Slate, Tiles, etc.

Knickerbocker Slate Corp., New York, N. Y. . . . . 32  
 Ludowici-Celadon Co., New York, N. Y., Chicago, Ill. . . . . 8  
 Pennsylvania Structural Slate Co., Easton, Pa. . . . . 95

S

SASH CORDS, CHAINS, ETC.

Samson Cordage Works, Boston, Mass. . . . . 90  
 Smith & Egge Mfg. Co., Bridgeport, Conn. . . . . 87

SASH—Balances, etc.

Caldwell Mfg. Co., Rochester, N. Y. . . . . 90

SCHOOL WARDROBES

K-M Supply Co., Kansas City, Mo. . . . . 33

SIDEWALK LIGHTS

Richards & Kelly Mfg. Co., Chicago, Ill. . . . . 84

SLAG

Birmingham Slag Co., Birmingham, Ala. . . . . 26  
 Woodstock Slag Co., Birmingham, Ala. . . . . 83

SLATE—Structural, Blackboard, etc.

Knickerbocker Slate Co., New York, N. Y. . . . . 32  
 Pennsylvania Structural Slate Co., Easton, Pa. . . . . 95

SLATE—Flagging, Roofing

Knickerbocker Slate Co., New York, N. Y. . . . . 32  
 Pennsylvania Structural Slate Co., Easton, Pa. . . . . 95  
 Rising & Nelson Slate Co., West Pawlet, Vt. . . . . 11

STAIR TREADS

American Blue Stone Co., New York, N. Y. . . . . 91  
 Pennsylvania Structural Slate Co., Easton, Pa. . . . . 95

STONE—Limestone, etc.

Bedford Cut Stone Co., Bedford, Ind. . . . . 92  
 Briar Hill Stone Co., Glenmont, Ohio . . . . . 92  
 Indiana Limestone Assn., Bedford, Ind. . . . . \*  
 Reed-Powers Cut Stone Co., Bowling Green, Ky. . . . . 89  
 Southern Cut Stone Co., Bowling Green, Ky. . . . . 90  
 Victor Oolitic Stone Co., Bloomington, Ind. . . . . 20

STORE FRONTS—Metal, Etc.

Modern Bronze & Store Front Co., Chicago, Ill. . . . . 12  
 Zouri Drawn Metals Co., Chicago, Ill. . . . . 12

T

TANKS—Water, etc.

R. D. Cole Mfg. Co., Newnan, Ga. . . . . 92

TERRA COTTA

Atlanta Terra Cotta Co., East Point, Ga. . . . . 84  
 Winkle Terra Cotta Co., St. Louis, Mo. . . . . 100

THEATRE EQUIPMENT

Peter Clark, Inc., New York, N. Y. . . . . 29

TILES—Flooring, Roofing, etc.

Dodge, Daniels & Shook, Birmingham, Ala. . . . . 93  
 Hood, B. Miffin Co., Daisy, Tenn. . . . . \*  
 Kushequa Ceramic Co., Kushequa, Pa. . . . . 92  
 Mart-Lawton, New York, N. Y. . . . . 81  
 U. S. Quarry Tile Co. . . . . 84

TRACING PAPERS

Geo. Vincent, New York, N. Y. . . . . 99

V

VARNISH

VENTILATORS, SYSTEMS, ETC.

Buckeye Blower Co., Columbus, Ohio . . . . . 3  
 Royal Ventilator Co., Philadelphia, Pa. . . . . 92  
 Toch Bros., New York, N. Y. . . . . Bk. Ins. Cov.

VENETIAN GRILLS

Steingruber Metal Products Co., Atlanta, Ga. . . . . 76

W

WALL SAFES

Caldwell Mfg. Co., Rochester, N. Y. . . . . 90

WEATHER STRIPS

Master Metal Strip Service, Chicago, Ill. . . . . 91

WINDOWS—Fixtures, Frames, Accessories, etc.

Austral Window Co., New York, N. Y. . . . . Back Cover  
 Caldwell Mfg. Co., Rochester, N. Y. . . . . 90  
 Herman Bleck, Hammond, Ind. . . . . 90  
 Hagstrom Mfg. Co., Glen Cove, L. I., N. Y. . . . . 100  
 W. E. Putnam Co., Worcester, Mass. . . . . 90  
 Samson Cordage Works, Boston, Mass. . . . . 90  
 Smith & Egge Mfg. Co., Bridgeport, Conn. . . . . 87  
 United Specialties Mfg. Co., New York, N. Y. . . . . 79  
 Vento Steel Sash Co., Muskegon, Mich. . . . . 99  
 Zouri Drawn Metals Co., Chicago, Ill. . . . . 12

WINDOW GLASS, GLASS

Blackford Window Glass Co., Vincennes, Ind. . . . . 78  
 Blue Ridge Glass Corp., Kingsport, Tenn. . . . . 32

# Index to Advertising Announcements

Please mention Southern Architect and Building News when writing these advertisers

|   |                                      |  |  |
|---|--------------------------------------|--|--|
| <b>A</b>                                    |                                      |  |  |
| Abingdon Sanitary Mfg. Co. .... 2           | Dayton Fire Door Co. .... 87         | Loomis-Manning Filter Distr. Co. .... 82     |  |
| Acheson Mfg. Co. .... 89                    | DeLong Furniture Co. .... 6          | Long-Bell Lumber Co. .... 15                 |  |
| Adam, Frank, Electric Co. .... 27           | Dodge, Daniel & Shook. .... 93       | Lucke, Wm. B. .... 93                        |  |
| American Blue Stone Co. .... 91             | Dunham Co., C. A. .... 38            | Ludowici-Celadon Co. .... 9                  |  |
| American Elev. & Mach. Co. .... 100         | Dunlap & Co. .... 93                 |  |  |
| American Institute of Archts. .... *        | <b>E</b>                             |  |  |
| Arkansas Oak Flooring Co. .... 15           | Economy Incinerator Co. .... 85      | Mallory Mfg. Co. .... 90                     |  |
| Arnold & North, Inc. .... 82                | Electro Flushing & Mfg. Co. .... 96  | Manuel Carragol & Sons. .... 88              |  |
| Atlanta Weir Furnace Co. .... 76            | Evans Elevator Equalizer Co. .... 83 | Manly Jail Works. .... 89                    |  |
| Atlanta Terra Cotta Co. .... 84             | Excel Metal Cabinet Co. .... 94      | Marshall Mfg. Co. .... Bk. Ins. Cov.         |  |
| Atlas Portland Cement Co. .... *            | <b>F</b>                             |  |  |
| Auer Register Co. .... 87                   | Federal Clay Products Co. .... 90    | Mart & Lawton, Inc. .... 81                  |  |
| Austral Window Co. .... Back Cover          | Flagler Co., The. .... 76            | Master Metal Strip Service. .... 91          |  |
| Automatic Elec. Htr. Co. .... Fr. Ins. Cov. | Flgor Accessories Co. .... 77        | McCabe, J. S. .... 76                        |  |
|   | Forman Co., The. .... 85             | McClintic-Marshall Co. .... 100              |  |
|   | <b>G</b>                             |  |  |
|   | General Elec. Supply Corp. .... 76   | Metropolitan Elec. Mfg. Co. .... 96          |  |
|   | Ga. Cement & Products Co. .... *     | Meyer, F. & Bro. Co. .... 21                 |  |
|   | Georgian Mantel Co., Fr. Ins. Cov.   | Meyer Furnace Co. .... *                     |  |
|   | Georgia Marble Co. .... 4            | Milwaukee Stamping Co. .... 88               |  |
|   | Gibbs Boardtile Corp. .... 79        | Miss. Wire Glass Co. .... 7                  |  |
|   | Grainger & Co., Inc. .... 76         | Modern Bronze and Store Front Co. .... 12    |  |
|   |                                      | <b>N</b>                                     |  |
|   |                                      | Nashville Hdw. Flooring Co. .... 15          |  |
|   |                                      | National Cement Co. .... 18                  |  |
|   |                                      | National Electric Prod. Co. .... 14          |  |
|   |                                      | National Pipe Bending Co. .... Bk. Ins. Cov. |  |
|   |                                      | Nelson, N. O., Mfg. Co. .... 84              |  |
|   |                                      | Newcomb, Robt. S. .... 93                    |  |
|   |                                      | North Carolina Granite Corp. .... 86         |  |
|   |                                      | Norman-Boosey Mfg. Co. .... 19               |  |
|   |                                      | <b>O</b>                                     |  |
|   |                                      | Oakland Fdry. Co. .... Fr. Ins. Cov.         |  |
|   |                                      | Otis Elevator Co. .... *                     |  |
|   |                                      | <b>P</b>                                     |  |
|   |                                      | Pauley, W. C. .... 76                        |  |
|   |                                      | Payne Furnace & Supply Co. .... 17           |  |
|   |                                      | Peelle Co. .... 16                           |  |
|   |                                      | Pelican Works. .... 81                       |  |
|   |                                      | Penberthy Injector Co. .... 34               |  |
|   |                                      | Penn. Structural Slate Co. .... 95           |  |
|   |                                      | Peter Clark, Inc. .... 29                    |  |
|   |                                      | Phoenix Iron Co. .... 90                     |  |
|   |                                      | Pipe Railing Construction Co., 100           |  |
|   |                                      | Pittsburgh Caulking Co. .... 92              |  |
|   |                                      | Pittsburgh Incinerator Co. .... 94           |  |
|   |                                      | Portland Cement Assn. .... *                 |  |
|   |                                      | Price, John H. .... 82                       |  |
|   |                                      | Putnam, W. E., Co. .... 90                   |  |
|   |                                      | <b>R</b>                                     |  |
|   |                                      | Reed-Powers Cut Stone Co., Inc. .... 89      |  |
|   |                                      | Reinhardt, Edw. G., Mfg. Co., 83             |  |
|   |                                      | Reliance Bronze & Steel Corp., 30            |  |
|   |                                      | Richards & Kelley Co. .... 84                |  |
|   |                                      | Richland Shale Products Co. .... 91          |  |
|   |                                      | <b>S</b>                                     |  |
|   |                                      | Rising & Nelson Slate Co. .... 11            |  |
|   |                                      | Robbins Flooring Co. .... 79                 |  |
|   |                                      | Royal Ventilator Co. .... 92                 |  |
|   |                                      | Rowles, E. W. A. .... 92                     |  |
|   |                                      | <b>S</b>                                     |  |
|   |                                      | Safepack Mills. .... 25                      |  |
|   |                                      | Samson Cordage Works. .... 90                |  |
|   |                                      | Schimmel & Co., Inc. .... 24                 |  |
|   |                                      | Sanitary Equipment Co. .... 79               |  |
|   |                                      | Sedgwick Machine Works. .... 27              |  |
|   |                                      | Shelby Spring Hinge Co. .... 80              |  |
|   |                                      | Signal Mountain Portland Cement Co. .... 31  |  |
|   |                                      | Smith & Egge Mfg. Co. .... 87                |  |
|   |                                      | Southern Cut Stone Co. .... 90               |  |
|   |                                      | Spiker, W. C., & Co. .... 76                 |  |
|   |                                      | Standard Steel Sections, Inc. .... 77        |  |
|   |                                      | Stark Brick Co. .... 78                      |  |
|   |                                      | Steingruber, Geo. .... 76                    |  |
|   |                                      | Superior Sheet Steel Co. .... 23             |  |
|   |                                      | <b>T</b>                                     |  |
|   |                                      | Televator Co. .... 86                        |  |
|   |                                      | Tenn. Oak Flooring Co. .... *                |  |
|   |                                      | "Tie-To" Insert Co. .... 86                  |  |
|   |                                      | Toch Bros. .... Bk. Ins. Cov.                |  |
|   |                                      | Trolley Supply Co. .... 89                   |  |
|   |                                      | Tyler Co., The. .... 36                      |  |
|   |                                      | <b>U</b>                                     |  |
|   |                                      | United Specialties Mfg. Co. .... 79          |  |
|   |                                      | U. S. Quarry Tile Co. .... 84                |  |
|   |                                      | Universal Cement Mold Co. .... 94            |  |
|   |                                      | <b>V</b>                                     |  |
|   |                                      | Vento Steel Sash Co. .... 99                 |  |
|   |                                      | Victor Oolitic Stone Co. .... 20             |  |
|   |                                      | Vincent, Geo., Co. .... 99                   |  |
|   |                                      | <b>W</b>                                     |  |
|   |                                      | Wagar & Co. .... 93                          |  |
|   |                                      | Wehrle Co., The. .... 96                     |  |
|   |                                      | Weil Pump Co. .... 84                        |  |
|   |                                      | Wheeling Sanitary Mfg. Co. .... 22           |  |
|   |                                      | Wickwire Spencer Steel Co. .... 29           |  |
|   |                                      | Williams, F. Graham, Brick Co., 76           |  |
|   |                                      | Winchester Radiator Cabinet Co., 75          |  |
|   |                                      | Winkle Terra Cotta Co. .... 100              |  |
|   |                                      | Woodstock Slag Corp. .... 83                 |  |
|   |                                      | Wurlitzer Co., Rudolph. .... 10              |  |
|   |                                      | Wyandot Clay Co. .... 80                     |  |
|   |                                      | Wyle, J. J., & Bros., Inc. .... 94           |  |
|   |                                      | <b>Y</b>                                     |  |
|   |                                      | Yadkin Brick Yards. .... 1                   |  |
|   |                                      | <b>Z</b>                                     |  |
|   |                                      | Zouri Drawn Metals Co. .... 12               |  |

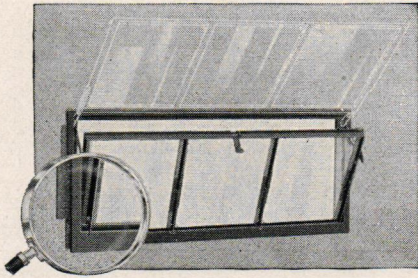
The Circulation of the Southern Architect and Building News in the Seventeen Southern States is as Large as the Combined Distribution of any Three of the So-Called National Architectural Journals

Southern Chapters of the American Institute of Architects recommend it as the Best Advertising Medium for Manufacturers of Equipment and Materials Catering to this Section



# VENTO PUTTYLESS STEEL WINDOWS

Are the only *Puttyless Steel Windows* that have two distinct openings



Pat. U. S. Pat. office (3-4-24) (12-11-28)  
other pats. pend.

—Don't be misled by cheap imitations—  
*Infringements will be prosecuted.*

Vento can be opened full wide from the bottom, same as any other window and that is all you get in any other window on the market, just one way opening, while Vento also opens in at the top giving overhead ventilation—*"When it rains it runs out."* Can be locked when open and basement is safe from intrusion. The one window with proper ventilation and that will keep the basement dry.

**Glaze without putty**

—Write for new two-color broadsides and price lists—

**VENTO STEEL SASH COMPANY**  
MUSKEGON, MICHIGAN

# VINCENT'S

## Prepared Vellum Tracing Papers

"Vellum" No. V-100 Natural Tint  
"Vellum" No. V-110, Cream Tint  
"Vellum" No. V-120, Natural Tint  
"Veltex" No. V-140, Blue Tint

*Unequaled for Erasing*

VINCENT'S PREPARED VELLUM TRACING PAPERS are nationally known as combining, as no others do, all the good qualities essential to better work and lasting economy. In any line of merchandise there is found one "brand" recognized for its outstanding good quality. It is *quality* rather than price, that permanently pleases. Discriminating buyers realize that "quality" is always *real economy*.

Over twenty-six years of continuous experience in the manufacture of PREPARED VELLUM TRACING PAPERS enable us to produce UNIFORMLY PERFECT PREPARED TRACING PAPERS from the highest grade of paper stock possible to procure.

*Orders solicited from dealers only*

*Generous samples will be sent if you mention this publication*

**GEORGE VINCENT**

251 WEST 19TH ST. NEW YORK CITY

## ..... what architect

does not have to consider the best in his specifications. . . especially in those items that affect whole groups of people. . . their comfort, health and time. A DRINKING FOUNTAIN is such an item.

If you knew all the facts about CENTURY FOUNTAINS. . . . how they are made, their simplicity of design, their beauty. . . you would specify only Century.

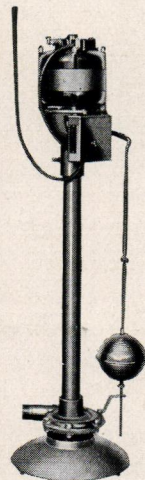
An inquiry brings you the information you NEED.

DRINK-KING **Century** FOUNTAINS  
TRADE MARK REG. U.S. PAT. OFF.  
**BRASS WORKS INC.**

Belleville, Ill.

## IDEAL DRAINAGE PUMPS AND BASEMENT DRAINERS

(ELECTRIC AUTOMATIC)



The simplest, strongest and most efficient drainage pump made. All rotating parts entirely enclosed.

**CAPACITY**  
3,000 to 3,500 gallons per hour

One-fourth horsepower motor, operates from any ordinary electric light socket.

Prices and further particulars gladly furnished upon request.

**IDEAL PUMP COMPANY**

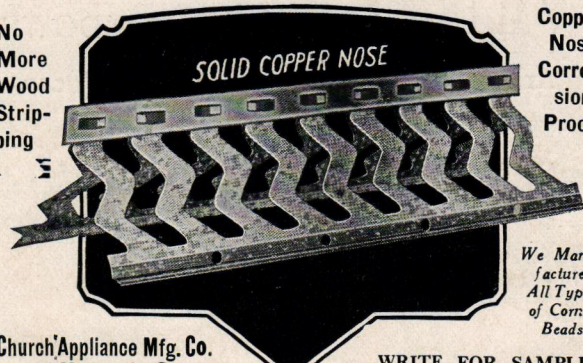
1202-1204 WEST FORT. ST.

DETROIT, MICH.

IDEAL DRAINAGE PUMPS ARE SOLD ONLY THROUGH REGULAR TRADE CHANNELS

**THE CARLYLE-LABOLD COMPANY**  
 PORTSMOUTH, OHIO  
 Makers and Distributors  
**FACE BRICK**  
 Smooth and Rough in:  
*Bufs, Greys, Tan and Brown Ironspots*  
**QUARRY TILE**  
 Beautiful Shades in:  
*Reds, Bufs, Browns, Ironspots and Greys*

**HEINZ COPPER CORNER**  
 FOR STUCCO CORNERS



No More Wood Strip-ping

Copper Nose Corrosion Proof,

*We Manufacture All Types of Corner Beads*

Church Appliance Mfg. Co.  
 935 Hennepin St.  
 LA SALLE - ILLINOIS

WRITE FOR SAMPLES AND PRICES

**BEAMS** — **ANGLES**

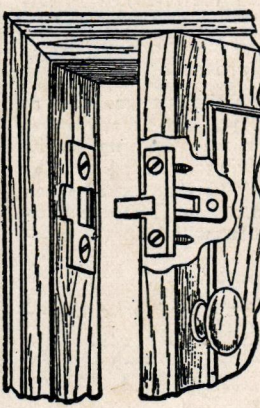
Bolts—Chain—Wire and Manila Rope and Blocks—Hose—Pumps—Pipe and Fittings and Covering

**LOMBARD IRON WORKS & SUPPLY CO.**  
 AUGUSTA, GEORGIA

Wheelbarrows — Drag Scrapers — Shovels — Scoops — Picks — Jacks — Columns — Concrete Reinforcing Bars

**BOILERS** MACHINERY REPAIRED **CASTINGS**

**Hagstrom Friction Catch**



Has met with splendid approval from Builders and Architects. It is especially designed to prevent warping. Can be used, with absolute assurance of positive results, on wood or steel, new or old.

The HAGSTROM Catch is at its best after a door or sash has shrunk. Paint has no effect. Other catches would be practically useless under these conditions. It automatically adapts itself to "go and come of wood."

**DURABLE**      **EFFICIENT**  
*If your jobber cannot supply you, write us direct*

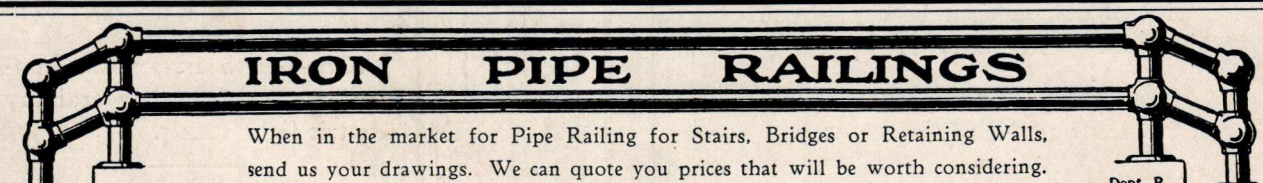
**HAGSTROM MFG. CO.**  
 GLEN COVE, N. Y.  
 or Wholesale Distributors  
 P. & F. Corbin, 323 West Randolph St., Chicago, Ill., or  
 The Gesing Brothers Co., 750 Prospect Ave. Cleveland, Ohio

**THE WINKLE TERRA COTTA CO.**  
 MANUFACTURERS OF  
**ARCHITECTURAL TERRA COTTA**  
 ALL COLORS

502-503 Century Building - - - ST. LOUIS, MO.

**McClintic-Marshall Company**  
 Steel Bridges & Buildings  
 Pittsburgh, Pa.—Offices in Principal Cities

**IRON PIPE RAILINGS**



When in the market for Pipe Railing for Stairs, Bridges or Retaining Walls, send us your drawings. We can quote you prices that will be worth considering.

**PIPE RAILING CONSTRUCTION CO., Long Island City, New York**



**AMERICAN ELEVATOR & MACHINE CO.**  
 GEARLESS AND GEARED  
**ELEVATORS**  
 SELF LEVELING AND VARIABLE VOLTAGE CONTROL TYPES  
 Home Office and Factory: **LOUISVILLE, KY.**  
 Southern States Zone Office - - - 308-309 Pioneer Building, BIRMINGHAM, ALA.

## A Report of Tests

by A. M. Daniels

Consulting, Heating and  
Ventilating Engineer of  
Washington, D. C.

showing actual performance  
of the

# BENNETT

*FIREPLACE*  
HEATER-VENTILATOR

Facts, ascertained in a strictly scientific manner, by a disinterested heating specialist, that demonstrate what CAN be done to make an EFFICIENT heater of the fireplace.

You'll find this interesting.  
Copy gladly sent on request.

**BENNETT HEATER CO.**

*Southern Division*

Builders' Building CHARLOTTE, N. C.

**RIW**  
REMEMBER ITS WATERPROOF

## The Authority of Accomplishment

TOCH BROTHERS, during 80 years of exhaustive research and painstaking manufacturing care, have perfected waterproofing and dampproofing compounds that meet every requirement in every type of structure large or small.

The Toch organization stands ready and willing to cooperate with architects and builders to the fullest extent of their ability. For catalogs, prices and complete information address Toch Brothers, 443 Fourth Avenue, New York.

# TOCH BROTHERS

*"Established 1848"*

DAMP-PROOFING and WATER-PROOFING COMPOUNDS

NEW YORK  
CHICAGO  
LOS ANGELES  
LONDON

**RIW**  
REMEMBER ITS WATERPROOF

division of  
STANDARD  
VARNISH WORKS

## Quality Millwork

MARSHALL MILLWORK is far more than just a phrase.

It stands for substantial facts. It means Millwork into which enter care, experience, responsibility and the painstaking effort to uphold the prestige that our product enjoys.

We will figure the job carefully, manufacture the millwork of the best material in faithful conformity to Architect's specifications, and deliver it on time.

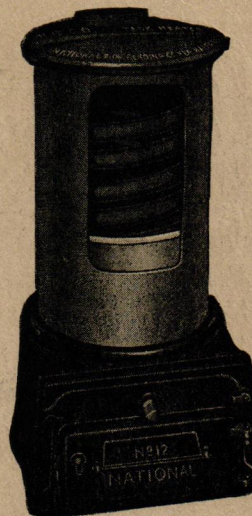
## MARSHALL MANUFACTURING COMPANY

ROME

GEORGIA

## HOT WATER

*Without Rust or Sediment*



*Jacket of red  
vitreous enamel*

Hot water from a National Multi-Flow Heater always runs clean and clear. This is the reason. The hot water circulates through a large copper coil, with connections of bronze. There are no parts to rust, no water-back to collect sediment.

Clean hot water is so desirable for personal use, and so necessary for spotless laundry.

Made in three sizes, No. 12 for average house, No. 16 for apartments, clubs, residences, small hotels, No. 20 larger installations.

*Write for prices*

THE NATIONAL PIPE BENDING CO.

Est. 1883

198 RIVER STREET  
NEW HAVEN, CONN.

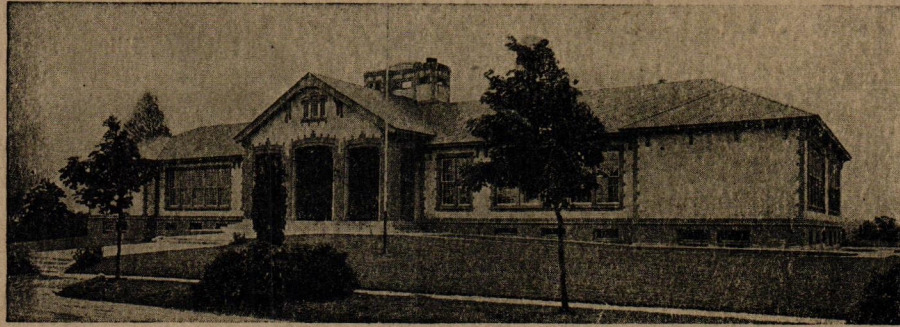
BOSTON

NEW YORK

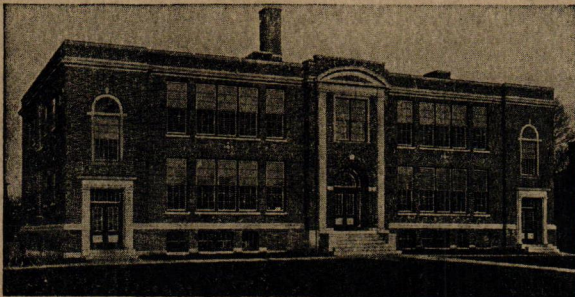
PHILADELPHIA

# STANDARD SCHOOL EQUIPMENT

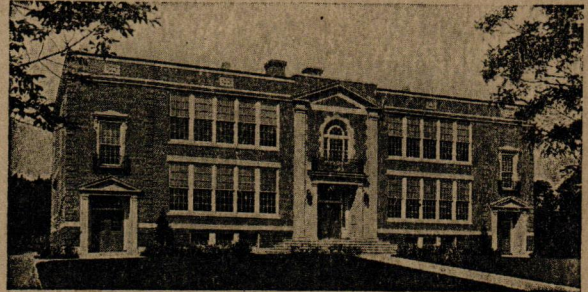
Schools at Worcester, Mass. Equipped With AUSTRAL WINDOWS



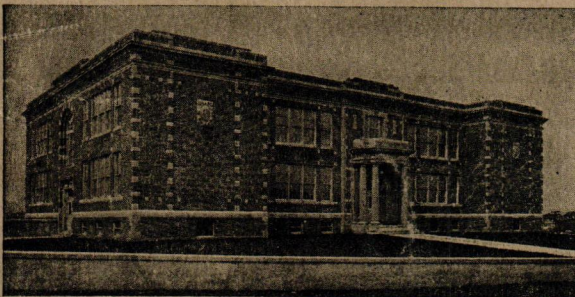
Thorndyke Road School, Frost, Chamberlain and Edwards, Architects



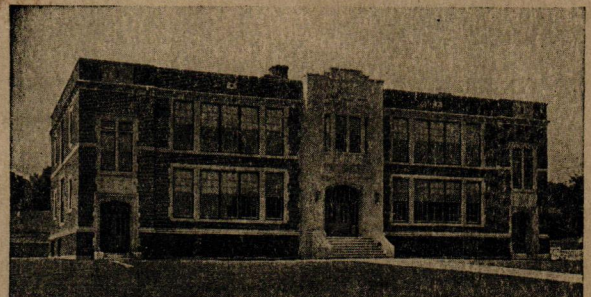
Granite Street School,  
Edward P. Fitzgerald, Architect.



May Street School,  
Cutting, Carleton and Cutting, Architects.



Bloomingdale Road School,  
Jasper Rustigian, Architect.



Nelson Place School,  
Jasper Rustigian, Architect.



Showing a group of AUSTRAL WINDOWS installed in a Kindergarten at the Thorndyke Road School. Although these windows appear to be closed, they are, as a matter of fact, open from 10 to 12 inches at the center, deflecting the incoming air up into the center of the room, giving perfect ventilation with no danger of draft.

The architects and officials of these Worcester Schools and the citizens of that city may well take pride in their modern school construction and equipment.

101 PARK AVE AUSTRAL WINDOW CO. NEW YORK CITY