

SOUTHERN ARCHITECT *and* BUILDING NEWS

"Since 1882"



APRIL

1928

THE SOUTH'S ONLY JOURNAL OF ARCHITECTURE AND BUILDING

- JOHNSON - JSC - SYSTEM -

The Johnson "ALL METAL" Thermostat



is an important part of the Johnson System of Temperature Regulation for buildings of all types.

By this system the temperature of the important rooms is automatically regulated and the humidity controlled. It assures a comfortable, uniform temperature for every room containing a Johnson Thermostat.

This "ALL METAL" Thermostat is simple, neat, and compact. Harmonizes with any room and is as efficient as it is artistic. Besides, it contains no rubber diaphragms to wear out and cause trouble.

CATALOGS WILL BE MAILED ON REQUEST



Johnson Service Company

MILWAUKEE

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OFFICES IN ALL LARGE CITIES

TEMPERATURE JSC REGULATION



*You will never have trouble
with your blueprints if you use:*

Pelican

WATERPROOF DRAWING INKS

Pelican Works, Günther Wagner, 34 East 23rd Street, New York City.

Entered as second-class matter January 15, 1923, at the Post Office, Atlanta, Ga., under Act of March 3, 1879
General Office, 402-404 Trust Company of Georgia Building, Atlanta, Ga.



GARAGE - ESTATE OF DONALD COWD
PORT WASHINGTON, LONG ISLAND

WILLIAM E. ELLETT ARCHITECT

Mr. Ellett has used IMPERIAL ANTIQUE SHINGLE TILES on this roof

IMPERIAL
Roofing Tiles

LUDOWICI - CELADON - COMPANY

CHICAGO 104 S. MICHIGAN AVENUE

NEW YORK 365 FIFTH AVENUE



WHEN Berry Brothers' Paste Wall Finish was selected for the magnificent new Grosse Pointe, Michigan, school it was a well earned victory for this new product.

A number of different manufacturers submitted samples of their products, which were applied to various walls in the building. They wrote on the walls, scratched matches on them and subjected them to abuse of all kinds.

When washed the walls surfaced in Berry

Brothers' Paste Wall Finish were as good as new. So clearly was the superiority of this product established that it was used on the walls throughout the building.

Here's a finish distinguished for permanence and beauty, yet one that is extremely economical in application. Costs less to apply than any product the paint contractor ever used. First coat on bare plaster seals the wall—no air checks or lime burns. It will cover 750 feet to a gallon.

Manufacturer of
wear-resisting
architectural
finishes

BERRY BROTHERS
Varnishes Enamels and Lacquers
Detroit, Michigan 1858—70th Anniversary—1928 Walkerville, Ont.

Architectural
department will
furnish complete
details



Side elevation—MARCUS CO. STORE, WORCESTER, MASS.
CUTTING, CARLETON & CUTTING, Architects

Another example of exterior treatment with Extruded Bronze

A rather unusual treatment is shown in the side elevation of this store. Extruded mouldings were used from the cornice down to the sidewalk and include the mouldings that retain the marble in place. The sections shown here are typical of stock shapes for immediate delivery and are priced on a basis that allows for general use.

Where decorative effects are required, sections such as ornamental cresting, enrichments, caps and bases, et cetera, are available in cast Bronze and are used direct in relation with the Extruded sections.

We welcome the opportunity of submitting drawings and details.

Modern Bronze Store Front Co.

And Associated Companies:

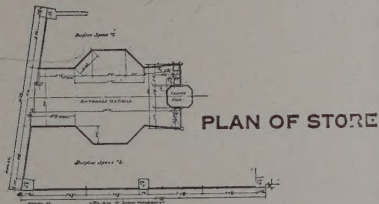
International
Distribution



Zouri Drawn Metals Company
International Store Front Company
Standard Store Front Construction Co.
Zouri Company of California
Zouri Drawn Metals Co. of New York, Inc.

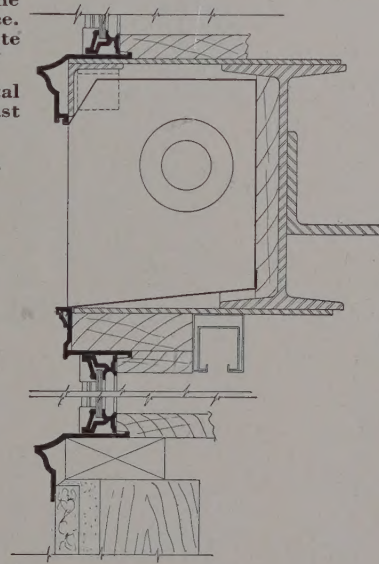
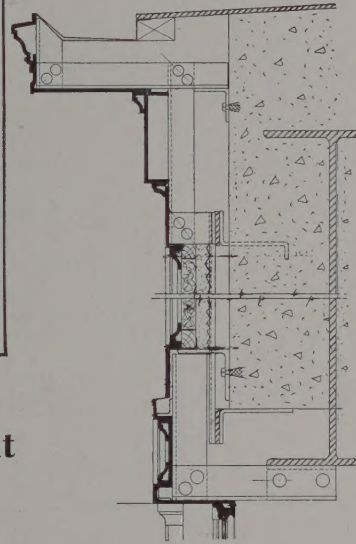
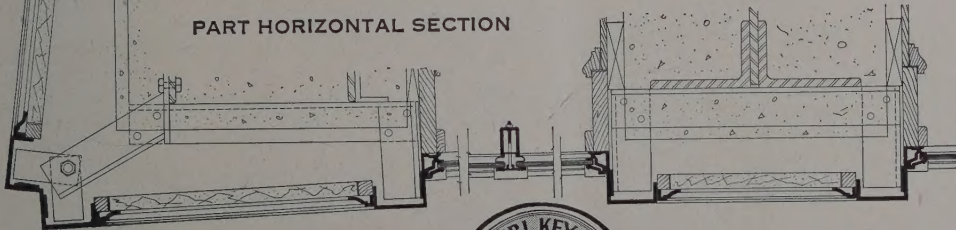
Factory and General Offices: Chicago Heights, Illinois

Names on
Request



PLAN OF STORE

PART HORIZONTAL SECTION



VERTICAL SECTION



GEORGIA MARBLE



ENTRANCE MINERS NATIONAL BANK, POTTSVILLE, PA.
UFFINGER, FOSTER & BOOKWALTER, ARCHITECTS

ECONOMY

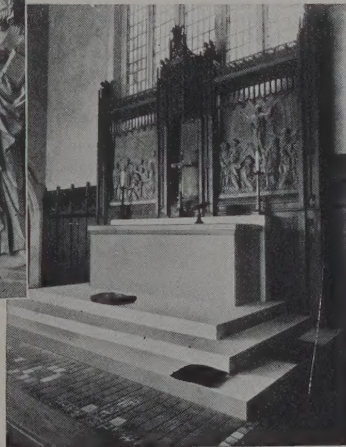
Using marble as trim is an economical means of retaining the character and strength expressed in marble details The Miners National Bank illustrates how the use of White Georgia Marble as trim gives a monumental dignity that could not be obtained by the use of commoner materials.

THE GEORGIA MARBLE COMPANY · TATE · GEORGIA
New York, 1328 Broadway Atlanta, 511 Bona Allen Bldg. Chicago, 456 Monadnock Bldg.



Altar and Reredos with carved panels
The Nativity and The Ascension
 St. Joseph's Episcopal Church, Detroit, Michigan
 Nettleton and Weaver, Architects

Chancel and
 Sanctuary



DEVOTION TO IDEA AND IDEAL

In executing architects' designs American Seating Company craftsmen reflect in their treatment of subject and detail a devotion to their art that produces more than a contract exactly fulfilled. Coupled with genius in wood carving is an ability to interpret ideas and ideals... a surpassing technique, with a soul to guide it. Architects will find that perfection of every detail is but part of "American" rendering.

American Seating Company

1083 Lytton Bldg.,



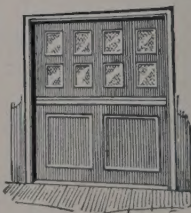
Chicago, Illinois



UNISON

*P*ERFECT co-ordination . . . timed regularity . . . the goal of specialized efficiency. PEELE Freight Elevator Doors have supplanted the inconsistency of human direction with almost infallible efficiency of mechanical control. Their perfectly balanced design and anti-friction construction are the reason . . . Unison . . . the operating unison of PEELE component parts, the result. PEELE Doors are known for their smooth mechanical action and operating ease. Years of enduring service find them paying dividends in the form of elevator time saved, and the reduction of operating and maintenance costs. *Q* If the PEELE catalog is not already in your files, a copy will be gladly sent to you upon request. ~ ~ ~

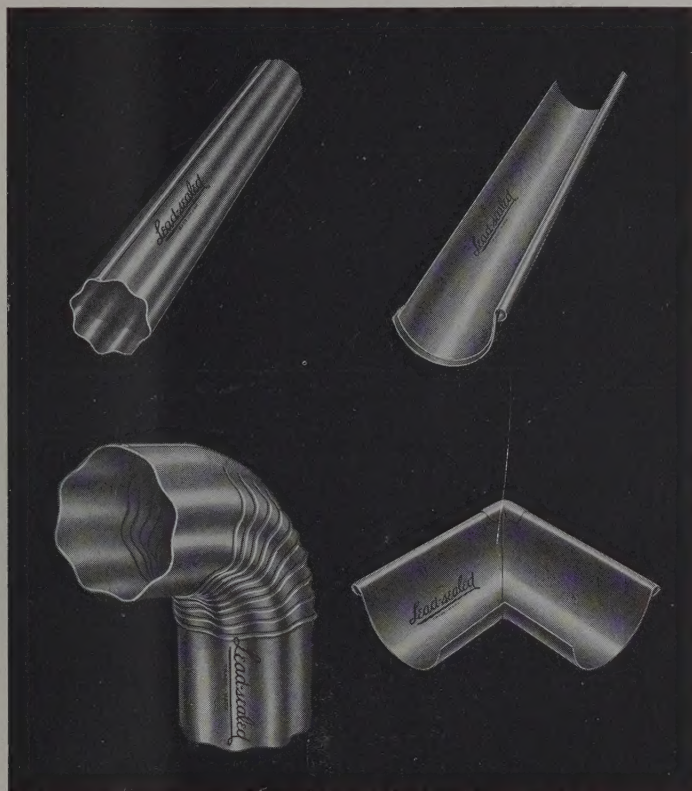
THE PEELE COMPANY, Brooklyn, New York
 Boston • Chicago • Cleveland • Philadelphia and 30 other cities
 In Canada: Toronto and Hamilton, Ontario



PEELLE Freight Elevator DOORS

“The doorway of America's freight elevator traffic”

The Beauty and Fitness of Lead Metalwork in an Inexpensive and Workable Form - - - - -



IN many designs for residences, churches, commercial and public buildings the appearance, as well as the enduring qualities, of lead metalwork is most in harmony. Architects who specify Superior Lead-Sealed obtain these results for half the cost of zinc or copper and without the working difficulties encountered with pure lead.

LEAD AMALGAMATED TO STEEL

Many attempts have been made to apply pure lead upon a base of some lighter and more workable metal. Through a fortunate accident the means were discovered to actually *amalgamate* lead to a base of special steel, sealing this base between two protective lead surfaces that will not break or peel away in forming operations.

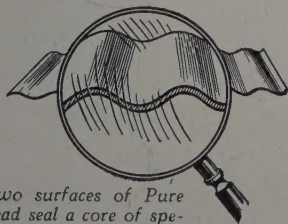
The resulting sheet, Superior Lead-Sealed, is soft, level and highly ductile. It forms readily into eavestrough, gutters, conductor pipe and flashing. First used as roofing and siding on steel mills and other industrial structures, its pure lead surfaces have withstood severest tests of smoke, acid fumes and salt, seacoast air.

Samples and detailed information will gladly be sent for your inspection. Write to

THE SUPERIOR SHEET STEEL CO.

CANTON, O.---Division of Continental Steel Corp.

Makers of *Super Metal* Galvannealed Galvanized and Long Terne Sheets



Two surfaces of Pure Lead seal a core of special analysis, copper content steel

Superior
Lead-Sealed

The Superior Sheet Steel Co.
Canton, Ohio
Division of Continental
Steel Corp.

Please send sample and detailed
information on Superior Lead-
Sealed.

Name

Address

. . . Where Carelessness is a Factor and Durability is a Positive Requirement

IN schools, institutions, factories, public and semi-public buildings, all carelessness in the flushing of toilet bowls is overcome by Bowlus-Jewel seat-operating Closets. Depression of the seat fills the tank. Release of pressure automatically flushes the bowl at every use.

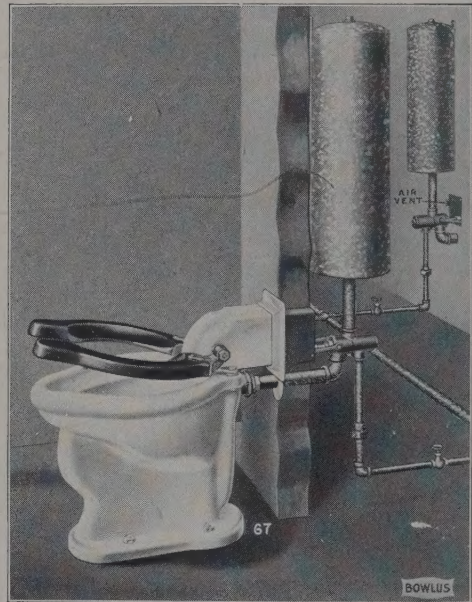
Multiply the daily use of the average residence unit by five, by ten, yes and by a hundred and you have the frequency of operation required from school, factory and public building installations. Bowlus-Jewel units are built specifically for these purposes. Hundreds of thousands of operations find them still giving highly satisfactory service at minimum repair cost. They are unqualifiedly endorsed by hundreds of users.

Many State laws and city ordinances now require individual ventilation for every bowl installed in schools or public buildings. These requirements are fully met by the

Bowlus Jewel Patented Seat-Operating Closet

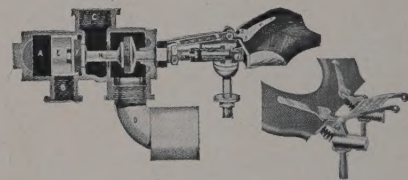
In every Bowlus unit, water wastage and leakage is eliminated by the famous Jewel-Flush Valve, ever positive in its action. This device has no interior springs to rust, corrode or lose resiliency through water contact. There are no treacherous needle valves to need adjustment. The operating springs are in the seat hinges where they belong, a distinctive Bowlus feature. They can be replaced by anyone in a few minutes—valve mechanism need never be taken down and cannot be tampered with. An absolute guarantee accompanies every valve. Bowlus units can be installed anywhere on any water pressure of 15 pounds and up. Operating on a self-created partial air cushion the force of the flush is increased over the head given by gravity and siphon action. Specify Bowlus Units as a measure of lasting satisfaction to your clients.

Full details of various installations on request



Bowlus Patented No. 67 Raised Rear Vent Closet

This ventilated Bowlus-Jewel Unit was developed especially for schools and is endorsed by Health Authorities. It includes automatic Jewel valve, vitreous china enameled gray iron air vent conduit, vitreous china jetted bowl with front lip extended. Open front and back ebony, or natural oak seat. All seat attachments nickel-plated and polished. Concealed galvanized compression tank.



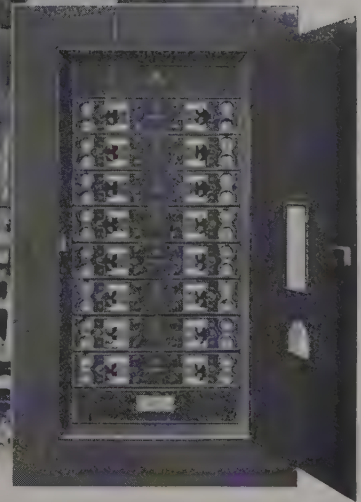
Jewel Flush Valve

Note the simplicity of this valve. It has but one moving part all in one assembly and seat-actuated by exterior springs. Pressure upon the seat fills the compression tank. Release of pressure flushes the bowl. Positive seal prevents water wastage or leakage.

The Bowlus Manufacturing Company

SPRINGFIELD, OHIO

If you know 
 Panelboards
 you know the
 best panelboard
 for all types
 of buildings
 and uses



From the viewpoint of safety and practicability alone  Panelboards are paramount. Yet they have, as well, so many other outstanding qualities that we can here only refer you to the  Catalog for details. May we send your copy? Free, of course, as well as estimates when you want them.

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 ELECTRIC COMPANY
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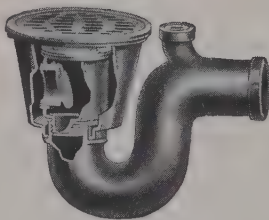
Boosey Drainage Specialties

are

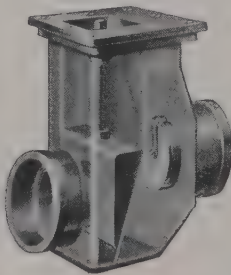
Remembered

for

Reliability



No. 108
Boosey Back Pressure
Floor Drain

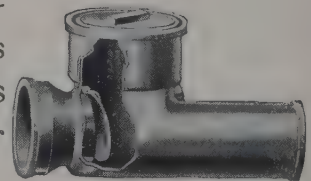


No. 109
Boosey Twin
Drainage Valve

THE reputation that Boosey Drainage Specialties have among their users is the best evidence of their reliability,

There are types and sizes of Boosey Drainage Specialties to fill practically every existing requirement of gravity drainage systems.

Send today for our catalog and complete information about the construction of modern, sanitary basement drainage systems.



No. 116
Boosey Back Pressure
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No. 117
Boosey Seepage Tile
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NORMAN BOOSEY MANUFACTURING CO.

5140 HAMILTON AVENUE

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SPECIFY *Boosey* **EQUIPMENT**

Warren, Knight
& Davis, archi-
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of Birmingham.



Completely Fireproof

Slag Concrete Joints and Floors
Slag Tex (Concrete Backup Walls)

BIRMINGHAM'S newest skyscraper, the 15-story Watts Building, is attracting wide attention. The treatment is distinguished, strictly metropolitan. The construction is permanent, completely fireproof!

The entire steel frame is encased in

"ENSLEY" & "ALA CITY"
BASIC SLAG
CRUSHED & SCREENED

concrete. The floors are reinforced slag concrete. The "backup walls" are Slag-Tex Concrete Pressed Brick—making the entire structure completely fireproof.

Note: Scientifically prepared basic slag weighs from 300 to 600 lbs. per cu. yd. LESS than any other concrete aggregate. Less weight! less freight! a real saving!

BIRMINGHAM SLAG CO.

Slag Headquarters for the South
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**EFFICIENT
DEPENDABLE
ECONOMICAL !**

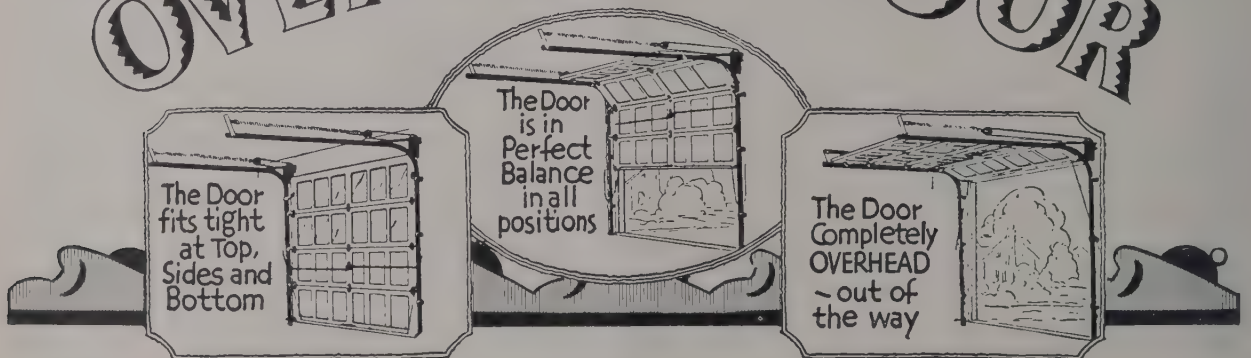


**A GARAGE DOOR WHICH MEETS
EVERY REQUIREMENT**

THE "Overhead Door" incorporates all of the desirable features which go toward making a door which meets every requirement for use in Garage, Factory or Warehouse.

It is a space saver and a money saver—easily installed in any kind of an opening and will give years of efficient service. You owe it to yourself to investigate this wonderful door and after you have once seen it—you'll never have anything else.

"The OVERHEAD DOOR"



OVERHEAD DOOR CORPORATION

1005 W. Kickapoo St.

Hartford City, Ind.

Gentlemen:

I am interested in the "Overhead Door" and will appreciate you sending full information as to the construction and operation.

Signed
Street
City
State

Jamison

Plant of
Terminal Refrigerating
and Warehousing Company
Washington, D. C.

Appleton P. Clark
Architect

Van Rensselaer H. Green
Con. Ref. Engr.

I Approve!
Mr. Geo. L. Reuschline, Ref. Engr.
of Philadelphia, writes:

"The challenge is
a real one. I concur
with every point. A
door that will meet
this complete need
is a door that will
do a 100% job."



Five Point Challenge

- 1 Build doors which—WHEN CLOSED—MAKE PRACTICALLY A SOLID WALL, because of sure, tight seals and door insulation equivalent to the wall itself.
- 2 Build doors which CLOSE AND SEAL QUICKLY and surely, and which further reduce air-flow by requiring minimum wall opening.
- 3 Design doors that HARMONIZE with their surroundings and which PASS the most stringent SANITARY INSPECTION.
- 4 Build doors to avoid troubles due to swelling, shrinking and warping and to ENDURE FOR YEARS despite heavy duty and abuse.
- 5 Build doors so efficiently, because of long experience and volume production, that it is possible to combine ALL of these requirements in a single door at MODERATE COST AND LOW UPKEEP.

POINT NUMBER ONE

requires a sure, tight seal and insulation equivalent to the wall itself.

Jamison doors use multiple seals. Two or more rubber-sheathed gaskets of our own make are compressed at entirely independent lines of contact; between them is dead air space. These seals are made doubly tight by massive spring hinges with a simple pressure-adjusting screw and a spring-action fastener that is automatic and self-tightening.

Jamison insulation is deliberately planned to equal your wall insulation—to meet temperature requirements. Whatever is used, we use correctly. When your purposes require a sharp-freezer door we will not try to make cooler insulation do the work. The standard specifications of the various items of the Jamison line are based on twenty-two years of study and experiment.

The full facts are detailed in the Jamison catalog--use the coupon.

Cold Storage Doors

S.A.-4

Clip and pin to your
letterhead

JAMISON COLD
STORAGE DOOR CO.
Hagerstown, Md., U.S.A.

Please send us immediately
your complete answer to the
5-point challenge, and
catalog.

Above is a Jamison Standard Cooler Door. Unless otherwise specified by the buyer, it is insulated with cork, encased in heavy, saturated insulating paper. We can furnish this door insulated with any other material you specify.

A 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



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



PLATE 11-E
Enameled Iron Ware, 44x30 inches to tile in right or left hand corner. Enameled white all exposed parts. Only one size made.



PLATE 30-E
Semi-Vitreous Porcelain Ware, 44x30 inches to tile in right or left hand corner, or in recess. Glazed white all sides. Only one size made.

The COMBINATION BATH is an entirely new departure in the development of modern sanitary comfort, comprising, as it does, a SEAT, FOOT, SHOWER and CHILD'S bath, all in one.

It possesses many essential common sense features not found in any other types. For instance, it is more comfortable and less wasteful of water; it is possible to bathe and treat the feet without the removal of all clothing, by having only a small amount of water in the foot section. The ledges on the end and both sides of the foot section enable one to treat the feet conveniently, while the dimensions of the foot section allow ample space for the feet when standing or sitting. The mother or maid can bathe a child in comfort under ideal conditions. The child can be bathed on the seat section, and then, if desired, dipped in the water filled foot section.

Remember, when you are considering the length of the COMBINATION BATH in comparison with other kinds or styles, that you do not assume a half reclining position when using the COMBINATION BATH, but instead a sitting position; so that your length from the knee down does not count in the length of the space required as it does when using the ordinary bath; also that the uncomfortable, cramped position assumed in the latter case is entirely removed and supplanted by a natural, comfortable posture, such as experienced when sitting in an easy, comfortable chair with just as much room in every direction as a person would have in using the ordinary bath of greater length.

Furthermore, when the COMBINATION BATH is used as a shower bath it is equal to any standard type shower receptor. The arrangement of the seat and foot bath permits the taking of a head or body shower bath, the latter without wetting the hair. This commends it, and is a feature which should not be too lightly regarded; in fact, we strongly recommend installation of showers in connection with the COMBINATION BATH.

When one desires to get out of the COMBINATION BATH, he can do so without the aid of grip-rails or even the use of his hands, by merely standing up—just like arising from a chair.

Water can be turned on and off or discharged without changing from a sitting position, instead of being obliged to slide along the bottom of the tub, in order to reach the valves, as is necessary when using any other type bath.

In planning bath rooms, space saving is oftentimes a most important problem, which can be readily and satisfactorily solved by the adoption of the COMBINATION BATH. This is all accomplished without encroaching on the space required for persons weighing as much as 250 pounds to an extent that comfort is sacrificed in any degree.

Tone will be given the bath room wherein, such a distinctly attractive and meritorious fixture as the COMBINATION BATH has been installed—an added attraction fully appreciated and not likely to be overlooked by your guests.

We furnish plans for installing the COMBINATION BATH, avoiding the necessity for having any part of the waste fittings extended through the ceiling below the bath room, requiring a suspended ceiling; which, in many cases, would prove undesirable.

These plans provide for raising the bath about four inches above the floor level, and filling in the open space with tile. This increases the extreme height of the tub from floor to top to about twenty-one inches, which is slightly less than the height of a staple bath on legs or base.

Many of the COMBINATION BATHS have been installed in this manner, and have proven entirely satisfactory.

WRITE US FOR DESCRIPTIVE BOOKLET GIVING MEASUREMENTS AND OTHER DETAILS

WHEELING SANITARY MFG. CO., Wheeling, W. Va.

VITREOUS CHINA—Water Closet Bowls, Flush Tanks, Lavatories. SEMI-VITREOUS PORCELAIN—Bath
Tubs, Lavatories, Drinking Fountains, Kitchen Sinks, Laundry Trays, Urinal Stalls. ENAMELED
IRON—Bath Tubs on feet and on base, Lavatories and Kitchen Sinks



Magnificent New Residence of
F. F. PROCTOR
LARCHMONT, N. Y.

Approved —as specified

THE owner put the heating problem up to the architect. The architect favored the Quiet May but consulted his engineer.

The engineer confirmed the architect's selection.

In the magnificent new residence of Mr. F. F. Proctor at Larchmont, N. Y., three Quiet Mays were installed, two in the eighteen-room residence, one in the garage, exactly as specified by the architect.



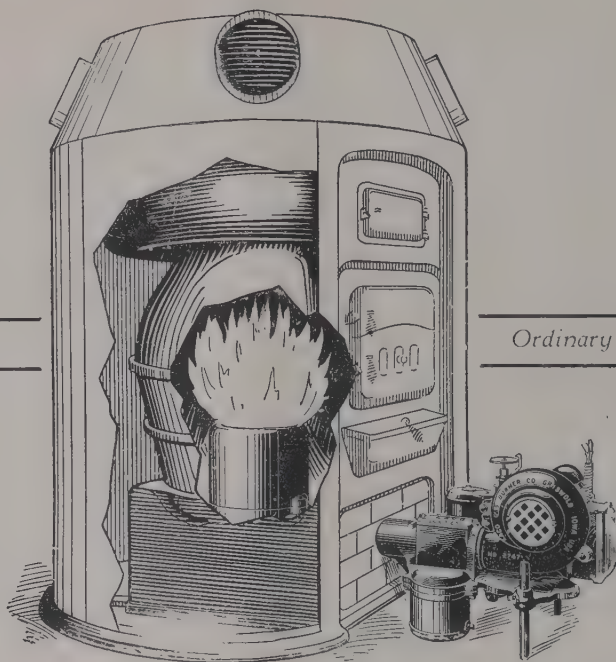
GEORGE J. FERNSCHILD, JR.
Registered Architect

The Proctor residence is but one of many notable Westchester County show places to his credit.

QUIET MAY

AUTOMATIC OIL BURNER

As Simple as the



Ordinary Kerosene Lamp

Made in Seven Sizes

The LACO Oil Burner

Meets Every Heating Requirement
~ BETTER--MORE ECONOMICALLY

Whether it be for small home, stately mansion or large building, the architect or builder who recommends the LACO Oil Burner is showing another example of his good judgment.

Having a range of seven sizes, there is one particular model that will meet every heating requirement—*better and more economically.*

Economy of the LACO is by no means confined to its operation. It is most economical in installation cost—for each of its seven adaptable sizes. Surprisingly quiet, free from the necessity for troublesome service calls—clean and odorless—you'll agree with thousands of others that LACO is the *dependable, proved* oil burner.

Dealers are invited to ask for the story of the extraordinary sales opportunity offered by LACO. We gladly give the co-operation of our Engineering Department to architects and builders.

*The LACO is Equally
Efficient in Warm Air,
Hot Water, Steam or
Vapor Heating Systems*

LACO GAS BURNER CO., 803 Cass St., Griswold, Iowa.

HARRIS' NEW SYSTEM

U. S. Patent No. 1648846

November 8, 1927

**INCINERATION
HEAT
LIGHT
POWER**

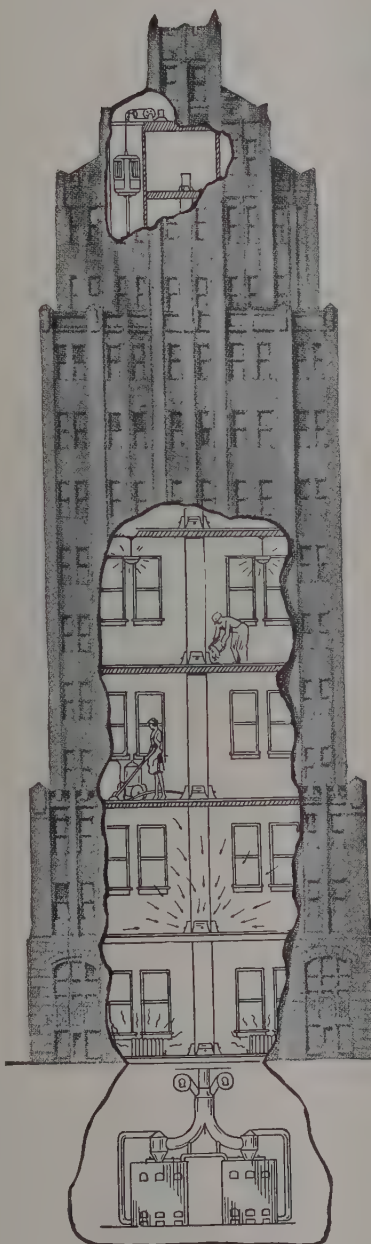
**GARBAGE AND
REFUSE COLLECTION
AND INCINERATION
VACUUM CLEANING
AND VENTILATION**

Harris' New System now makes possible heat, light, power, garbage and waste collecting, incineration, vacuum cleaning and ventilation for all types of buildings, from four stories to any number of stories, at a minimum cost less than any other combined system. All of the above-stated functions are completely carried out with this one mechanical unit, doing away with the use of several different systems to accomplish the same purpose.

The Harris New System is graphically illustrated in the drawing. Architects and engineers are earnestly invited to investigate this system.

A few State Rights for the sole manufacture, sale, and installation of this product are open for live contracting and engineering firms, and we invite you to communicate with us regarding a special offer we can make you.

*Exclusive State Rights for Sale at
\$50 per 1,000 of Population*



The heat and incineration are furnished by Harris' W. T. Incinerator Boilers and Furnaces.

The electrical power is furnished through a turbine generator whose power is obtained from the W. T. Boilers, which produce boiler H. P. on three to three and a quarter pounds of coal or thirty-three to forty-three pounds of garbage and refuse per hour.

Ventilation and refuse disposal on the various floors are accomplished via the rectangular vertical steel chute which runs from the top of the building to the furnace, as illustrated. The three 12"x12" porcelain enamel doors on each floor provide the exit for the refuse, and the three open hose nibs on each floor provide the continuous ventilation.

The gathering of the waste is done by modern vacuum cleaners, which are equipped with extra-long hose connected to nibs on each floor. The fan on each 14"x14" chute operated by D. C. Motor provides the vacuum suction for the entire chute. It automatically pulls the waste and the CO₂ down the chute.

Address

HARRIS NEW SYSTEM

1210-1211-1212 AND 1213 INDEPENDENT LIFE BLDG., NASHVILLE, TENN.

FREELAND, ROBERTS & CO., Consulting Engineers

J. B. HARRIS, M.D., Inventor, Patentee and Owner

HARRY A. LUCK, General Counsel

For Canadian rights, address Mr. A. Carney, Tenth and Woodland Sts., Nashville, Tenn.

The Calhoun Residence Tile Roof was manufactured by

B. MIFFLIN HOOD COMPANY

Manufacturers of Authentic Roofing Tiles, Floor Tiles, Landscape Tiles and Floor Brick

Ask for Samples and Prices.

B. MIFFLIN HOOD COMPANY

DAISY, TENNESSEE

ATLANTA, GEORGIA

The Standard Contract and Documents of the American Institute of Architects



"In the past most architects' forms were developed by lawyers for the sole purpose of protecting the Owner. The Contractor was literally tied to the post at the start. It may doubtless be a shock to some Owners and their lawyers to find a contract form drafted with fairness to both sides.

"It is up to the profession to become thoroughly familiar with good current practice and its Standard Documents. They will then be able to convince the Owners and their lawyers that they are competent business men who know how to defend the Owner's legitimate rights, as well as competent to develop his artistic desires and needs."—WILLIAM STANLEY PARKER.

The Standard Documents

Fourth Edition

Agreement and General Conditions in cover.....	\$0.20
General Conditions without Agreement.....	.14
Agreement without General Conditions.....	.05
Bond of Suretyship.....	.03
Form of Subcontract.....	.04
Letter of Acceptance of Subcontractor's Proposal.....	.03
Cover (heavy paper with valuable notes).....	.01
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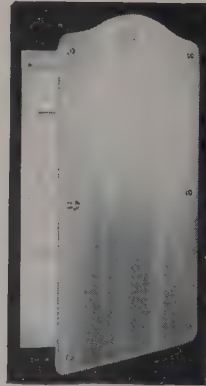
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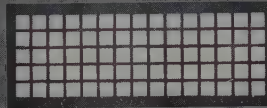
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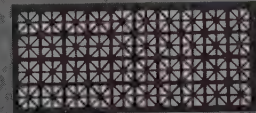
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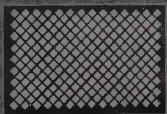
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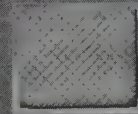
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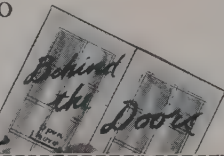
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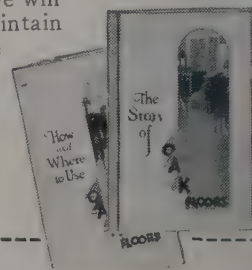
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SOUTHERN ARCHITECT *and* BUILDING NEWS

VOLUME 54

APRIL, 1928

NUMBER 4

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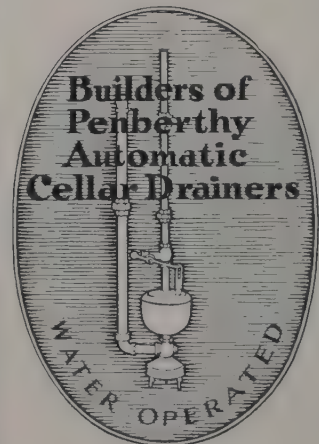
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*Southern Architect
and Building News
April, 1928*

SOUTHERN ARCHITECT and BUILDING NEWS

APRIL, 1928



VOLUME 54

NUMBER 4

The More Recent Country House Architecture of Hentz, Adler & Shutze

BY ERNEST RAY DENMARK

Photographs by Tebbs & Knell, Inc.

IT is a real pleasure to be able to present in this issue of the *Southern Architect and Building News*, a resume of the more recent Country House work of Hentz, Adler & Shutze. An opportunity for the publication of such an admirable group of houses, in a single number, seldom presents itself. In connection with this work we are pleased to have the privilege of including an article, with special comment on the material illustrated, by such a distinguished American architect as Mr. Chester Holmes Aldrich of Delano & Aldrich, New York City, and to have had his assistance in the selection of photographs. The fact that Mr. Aldrich has commented so favorably upon this work is convincing that it merits the space we have given it in this issue.

This work has not been published in any of the architectural magazines, and in fact has only recently been photographed owing to the very proper desire of the architects to give time for the development of the entourage, so that the settings of the houses may be something else than bare hillsides or open fields, with the rubbish of the buildings discreetly piled in one corner of the picture. American architects have learned in recent years that the soft quality of surface which we used to think inseparable from age, can be produced by careful attention to line and texture, but the entourage, which is so vital a feature of the appearance of all country houses, needs not only skillful handling but at least some little time. So if we have regretted that each house shown in this number was not illustrated immediately upon completion, we have the more pleasure in seeing them all properly photographed and presented as a group in this number.

Since this work is being published as the creation of Hentz, Adler & Shutze, when in reality it was done during the existence of the former firm, Hentz, Reid & Adler, we think it quite proper that some explanation be included in these notes so there will be no misunderstanding among our readers or among the owners of these houses as to proper credit being given those responsible for this work. The writer has observed with interest the development of these houses from their inception on the boards, through the construction period and finally assisted in the making of the photographs shown in this number.

We wish to inform our readers that this work was produced and made possible by the closest co-operation and sincerity of purpose on the part of Messrs. Hentz, Reid, Adler and Mr. Shutze, who during the time this work was being done was associated with Hentz, Reid & Adler. However, the late Neel Reid, as the firm's chief designer, was largely responsible for the success of this work. Mr. Reid was graduated from the School of Architecture, Columbia University, and later spent several years of

study in Europe devoting a great amount of his time to a careful study of the masterpieces of the Italian Renaissance. And as Mr. Aldrich so well expresses it, "In these buildings there is no blind copying, no vague reminiscence; rather, in the free adaptation of late Italian forms, one can feel the renewed freshness and appropriateness of these forms. In this case the easy familiarity with that elastic idiom proceeds from the co-ordinating influence of Mr. Reid and Mr. Shutze," the latter being a fellow of the American Academy at Rome.

The esteem in which the profession held Mr. Reid is best indicated in the words of Mr. William J. Sayward, writing in the *Southern Architect and Building News* of March, 1926, upon his death. "It is natural for architects to give credit to a creative genius, and it is as a creating architect essentially that we memorialize him here. At a time when there was scarcely a trained architect in the South, when buildings were for the most part merely accumulations of material rather than examples of architectural beauty, he began his work in Macon, Ga. He early had an inspiration of what architecture should be and would mean to the South. By quiet, efficient work and study he won his way to the place of highest esteem in the profession which he held to his death. In all his work he did not consider his job complete until the last shrub was planted in proper relation and the last bit of interior decoration was handled in his own peculiar happy style."

It is hardly necessary that we should make any predictions as to the future work of Hentz, Adler & Shutze, but we take the liberty of stating that the work already done under the guiding hand of Mr. Shutze, as the firm's chief designer, which unfortunately is yet too new for a proper presentation at this time, shows a fine and purely architectural sense, and at the same time a free use of colorful tradition that is characteristic of the work illustrated in this number.



HOUSE OF FULLER CALLAWAY, ESQ., LAGRANGE, GA.

HENTZ, ADLER & SHUTZE, ARCHITECTS



Country House Architecture



BY CHESTER HOLMES ALDRICH

Of Delano & Aldrich, Architects

HOWEVER exciting the recent developments of the skyscraper and the jazzed skyline, all serious observers seem to agree that in no field has America's present-day civilization expressed itself more fundamentally and adequately than in its country houses. In adaptation to site, in convenience and proportion of plan, and in the character of both exterior and interior elevations, a standard has certainly been set which reflects the best taste of our time.

Beginning with the revival of colonial and classical forms which followed the nightmares of the mid-nineteenth century, the development of country house architecture has proceeded in a way wholly normal, having back of it the logical precedent of eighteenth century styles, themselves based on sound classical traditions. Where the exigencies of the plan required unsymmetrical treatment this was obtained without the sacrifice of the essential qualities of order and balance. Along this line the soundest and best country house tradition has been developed, a tradition built up and maintained by our most distinguished architects.

In the last few years, however, there has sprung up in various quarters a marked tendency on the part of some clever designers towards the wilfully picturesque. This quality of picturesqueness when deliberately sought seems somehow to lead to vagaries, to restlessness, and above all, to a neglect of essentially architectural values. Frequently too many varied motives are introduced, so that often one small building contains architectural themes enough for three or four soberly designed houses. In place of the sound knowledge of the use of good standard material, tricks of all kinds are resorted to, such as the artificial waving of ridge lines and roof surfaces, and fantastic effects in the finish of stucco. For this vogue, many conditions are responsible, among them a pre-occupation with purely decorative details, above all a deplorable lack of the sense that proportion and form, the spacing and disposition of voids and solids are the underlying fundamental qualities of architecture. Some of our architectural and gardening magazines are not guiltless of encouraging this freakishness in their desire to please a half-educated public by striking illustrations.

But as Mr. Charles A. Platt, the honored dean of the best country house designers in America, says in a recent interview, "The interest of the house

should derive from sound planning and handsome facades, rather than from the curious texture of surfaces, or tricks in its interior arrangements." It is a pleasure to welcome in the pages of *The Southern Architect*, some recent work by the firm of Hentz, Adler and Shutze, which shows exactly this fine and purely architectural sense, and at the same time a free use of a colorful tradition. In this case, the basic tradition happens to be that of the full-fledged Italian Renaissance, whose resourcefulness and elasticity have been set forth in Geoffrey Scott's perennially stimulating book, *The Architecture of Humanism*. It proves itself indeed a style eminently suited for such buildings as these southern houses, for such needs and uses, and in such a climate.

The way of using this tradition is markedly free. The tradition itself provides simply the vocabulary, with all its wealth of connotation and association, and to use these themes instead of trying to invent new ones is no better and no worse than to use in writing, existing words instead of trying to invent new ones. It is all in the manner in which the words and the architectural themes are used, that the vitality of either the author or the architect is shown. In these buildings there is no blind copying, no vague reminiscence; rather, in the free adaptation of late-Italian forms, one can feel the renewed freshness and appropriateness of these forms. In this case the easy familiarity with that elastic idiom proceeds probably from the co-ordinating influence of the late Neel Reid and Mr. Shutze, the latter having studied at the American Academy at Rome and whose skill thus shown adds one more testimony to the value of that school, which has already turned out so many of our most fertile young practitioners in sculpture and mural painting. After such work as this, he will rank with Manship and Savage, and Barry Faulkner, and John Gregory and Paul Jennewein.

The house of Henry Tompkins at Atlanta has great innate dignity, both outside and in. The colorful and well-balanced entrance, the restrained circular hall, provide centres of interest. The Vaughan Nixon house shares these same qualities, facades and interiors are worked out with no less facility, and both these buildings are fully and completely gentlemen's houses.

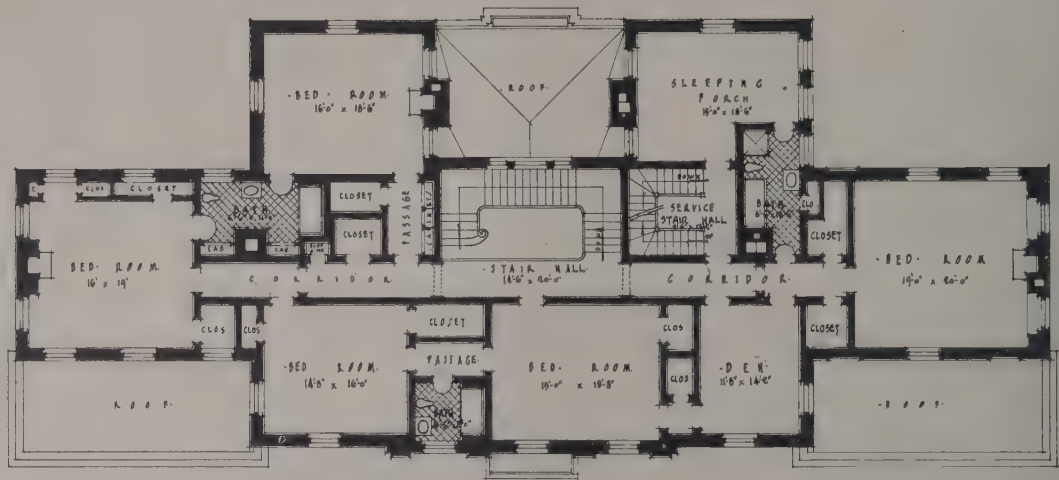
The house of Dr. Willis Jones in Atlanta has already been shown (in the April, 1927, issue of *The Southern Architect*.) It, too, has a lavish exuber-



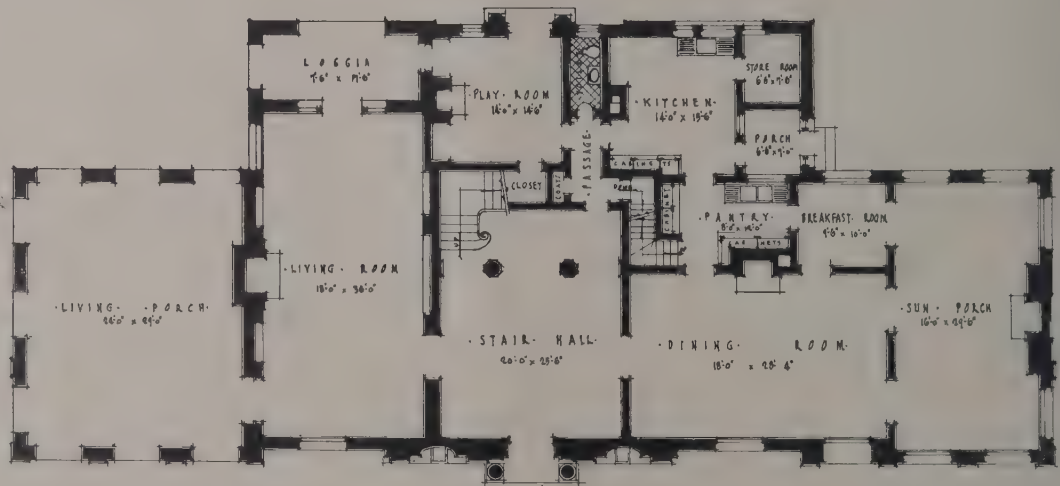
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FIRST FLOOR PLAN

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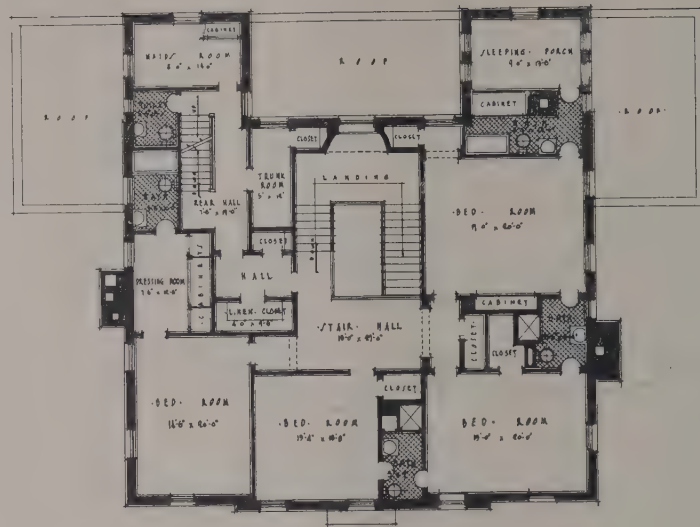
HOUSE OF PHILIP C. McDUFFIE, ESQ., ATLANTA, GA.

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GARDEN FACADE

HOUSE OF VAUGHN NIXON, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS



SECOND FLOOR PLAN



FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"

HOUSE OF VAUGHN NIXON, ESQ., ATLANTA, GA.
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DRAWING ROOM
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DETAIL IN DINING ROOM
HOUSE OF VAUGHN NIXON, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS

ance only kept in leash by a sound feeling for real architecture. The baroque seems to find itself wholly at home under the Georgian sky, and once the planting has had time to develop, these buildings will look as much in place there, as do their prototypes in Central Italy.

The P. C. McDuffie house harks back to a more northern influence and is perhaps less consistently felt, but even the motives used here seem to expand and grow fuller and richer in this warmer climate.

It is in the Andrew Calhoun house that one feels the greatest mastery of the baroque and the most complete freedom of handling. The gardens and the garden facades show the happiest and most appropriate use of playful forms made familiar in the great Italian gardens of the late Renaissance. Here, too, once the growth around the house and garden is more mature, we shall find that the scheme hangs together perfectly and that the diverting architectural and decorative forms truly "belong" here.

The interiors of this house with the murals by Allyn Cox, (another Roman Academy man, by the way, and himself a past master in the free use of this baroque), show a similar mastery and unerring sense of style. Furniture and decorations carry out the spirit of the architecture and all together produce the feeling of a wholly civilized and sophisticated background—a *milieu* of real elegance and distinction.

What a relief it all is from the theatrical vagaries of much recent work in Florida and elsewhere! For after all the fundamental quality of the work we have been examining is this, that florid in decoration as it may be, it is always based solidly on architectural essentials. Underneath are right planning, proportion and composition, a sober rhythm and the balanced disposition of voids and solids. This is true architecture; and whatever may happen in the way of efflorescence of ornament, enriches, but does not disturb the fundamental quality which gives to such work as this its lasting merit.

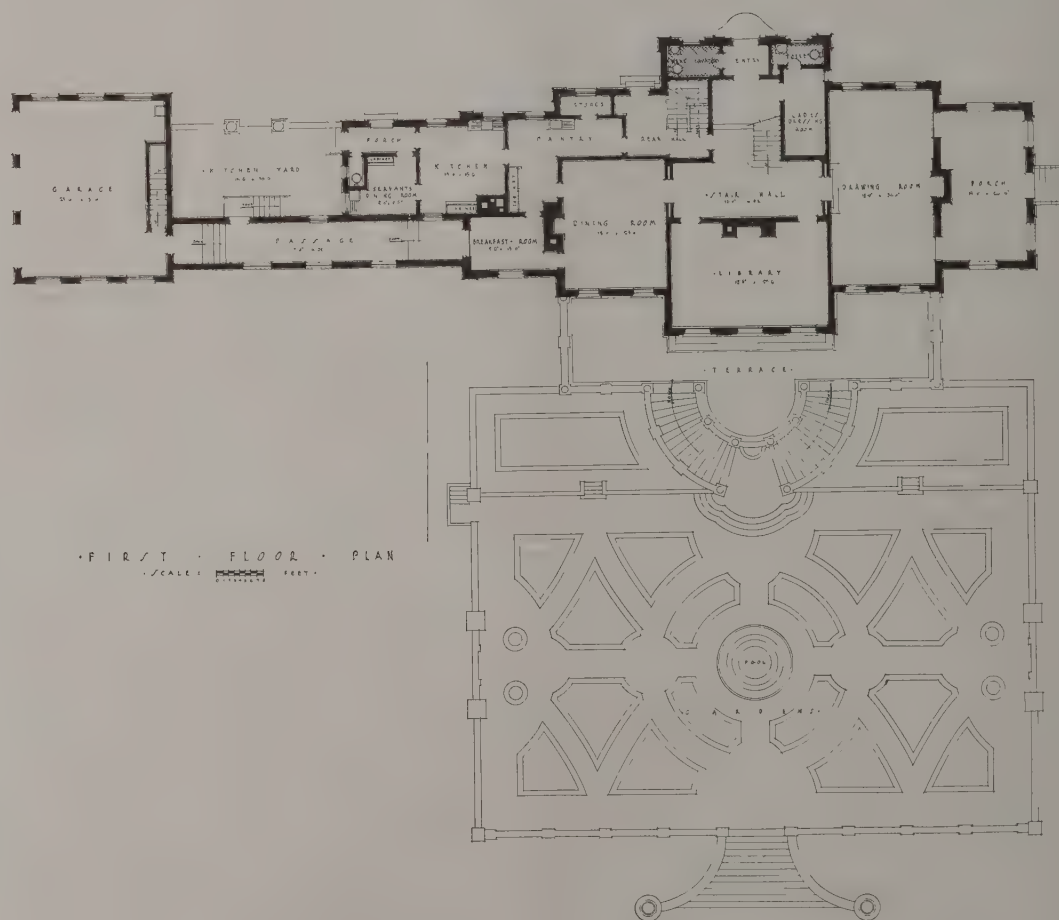
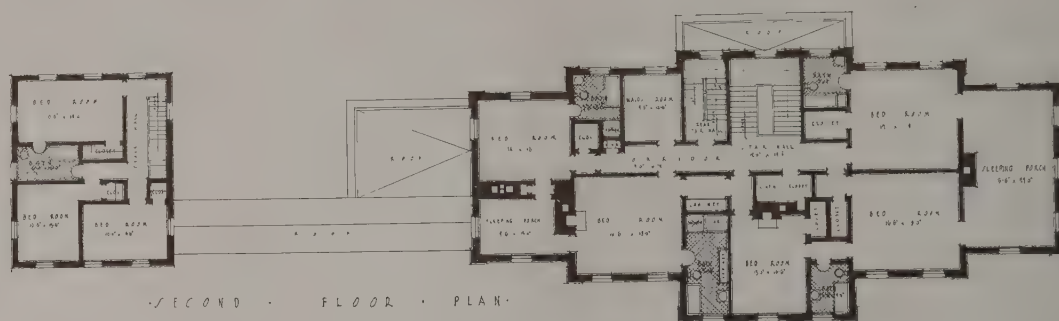


HOUSE OF DR. WILLIS JONES, ATLANTA, GA.

HENTZ, ADLER & SHUTZE, ARCHITECTS



HOUSE OF ANDREW CALHOUN, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS



HOUSE OF ANDREW CALHOUN, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS



DETAIL OF GARDEN STAIR
HOUSE OF ANDREW CALHOUN, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS

THE SETTING

THIS house of the Andrew Calhouns, located along Paces Ferry Road, a vicinity in which is situated many lovely country estates, has for a natural setting one of the most beautiful spots to be found anywhere in the South.

The entrance gates, unfortunately not shown in this number, were designed after those of the Villa Cuzzano near Verona. The view of the house from the road some three hundred yards in the distance and overlooking a valley of velvet green grass on slightly rolling terra firma, is indeed imposing. A rising terrace on either side of this valley is banked high with native Georgia Pines, Oaks and smaller shrubbery. In the foreground well placed elms form a border along the natural garden. The house is situated on a high knoll overlooking the beautiful sunken garden, shown elsewhere in this number, and the broad expanse of green lawn towards the road. We have here a perfect picture setting for this admirable country house after the Italian manner.

The design of the house was inspired by the Villa Gori at Siena. The predominating color scheme follows closely that of the Villa Spada on the Janiculum, Rome. The exterior stair shown in this picture was taken from that of the Church of S. Dominico e Sisto at Rome. The Villa Spada has recently been repainted under the reign of Mussolini and the color scheme completely changed.



VIEW FROM LOWER GARDEN



VIEW OF UPPER GARDEN

HOUSE OF ANDREW CALHOUN, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS



REAR VIEW
HOUSE OF ANDREW CALHOUN, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS



REAR ENTRANCE DETAIL



ENTRANCE GATES TO SERVICE WING
HOUSE OF ANDREW CALHOUN, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS



DRAWING ROOM

HOUSE OF ANDREW CALHOUN, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS

THE DRAWING ROOM

THE Drawing Room in the Andrew Calhoun house is perhaps the most charming of all the rooms in this wholly delightful home. From the stair hall shown on page 53 we enter this room by a flight of three steps to the floor level. The very first impression is that of innate dignity and a luxuriousness that well befits such a house as this.

The color scheme of the walls is that of Venetian Pink. The Dado of interlacing bands is painted an apple green on a white background. The room is rectangular in shape and the central motif is a simple Italian mantel with a well designed cartouche above with swags on either side. The overhead door pediments are in perfect scale with the size of the room. The floor is of black terrazzo.

An Aubusson rug of beautiful pattern with predominating color of brick red furnishes the floor covering. The window curtains are of white taffeta. The furniture is 18th century Italian with coverings of rich brocade. On either side of the entrance door are two mural paintings by Allyn Cox, one of America's foremost young painters. The subject of the one shown in this picture is that of the Roman Campagna. The other is a Venetian water scene. The white and gold table with inlaid marble top shown in this picture is repeated on the other side of the entrance door. The exceptionally beautiful lighting fixture (there are two in this room) is of Venetian blown glass with clusters of daffodils and interlacing drop chains.



DETAIL IN STAIRHALL
HOUSE OF ANDREW CALHOUN, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS

THE STAIR HALL

FROM the rear entrance we enter this stair hall by a flight of three steps. To the left is the Drawing Room and to the right is the Dining Room. From the Drawing Room door we look directly into the Dining Room and the view is that shown on page 55. The Library leads off to the left of this hall.

The color scheme of the walls is lemon yellow with green grasseille. An 18th century Italian bench and Roman oil jars filled with green pine branches completes the furnishings. The mural painting, another of Allyn Cox's delightful things, represents the story of Philemon and Baucis. The staircase is of stone with a hand wrought bronze rail. An added note of beauty is supplied by the Glass Star lighting fixture.

THE DINING ROOM

IN the Dining Room of the Andrew Calhoun house we feel a distinct note of beauty. First, because of the perfect scale of furniture to the proportion of the room. Second, due to the very lovely Pierta Serena mantel done in stone after the manner so much used in the Florentine Villas, and for the striking bust of Michael Angelo in relief used as an over mantel ornament. A marbleized frame has here been used in a light grey; the background is garnet, and the figure stands out in white. The walls of the room are old white.

The curtains are of red Damask and the floor covering is an Aubusson rug in a pleasing pattern of tropical motifs. The furniture is 17th century; the chair seats being red leather stamped with gold rosettes. The panelled doors are walnut.



DETAIL IN DINING ROOM
HOUSE OF ANDREW CALHOUN, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS



DETAIL IN DRAWING ROOM



DETAIL IN LIBRARY

HOUSE OF ANDREW CALHOUN, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS



The Editor's Annotations



FUTURE NUMBERS

WITH one exception, this number of the *Southern Architect and Building News*, is the first that has appeared wherein the work from one office was given the entire editorial space. Upon first thought some members of the profession might think we have acted unwisely, but we wish to correct this impression, if such exist, by stating that we are anxious to give over an entire number to any office in the South whose work is of such character as to merit such a number.

Recently several architects and architectural firms have offered material for a special issue. At this time we have on hand photographs from one of the outstanding members of the profession in Florida. The architects comprising the Municipal Plaza Commission of St. Louis, and which by the way, have done some of the most outstanding buildings erected recently in the country and plans drawn for several others, have placed with us a selection of photographs to be used in a special issue.

In presenting these special numbers it is our intention to have some well known member of the profession outside the South prepare the text, just as we did in this issue in the case of Mr. Chester Holmes Aldrich writing upon the work of Hentz, Adler & Shutze. We will be delighted to have you submit such material as you think will be appropriate for an entire number and assure you the material will be given every consideration.



ARCHITECTS LICENSE LAW

WE are constantly having our attention called to the fact that in some states and cities people who profess to be architects, and which have no right to the title, are continually encroaching upon the legitimate architects field of endeavor. We have been asked to take some steps to right this situation and which we would gladly do if such was in our power.

We have recently made some investigation and find that only eight states in the South have an Architects License Law. A law that protects the owner against risky building, and assuring him of the service of competent men; at the same time protecting the bona fide architects against the Architect-Builder. Those states having such a law are Florida, Georgia,

Louisiana, North Carolina, Oklahoma, South Carolina, Tennessee and Virginia. In most instances we find the above condition existing to a greater degree in those states not having an Architects License Law.

There are thirty states in the country that now have such a law and unless the architects in those states that do not have a license law wake up and exert their influence politically to have a law of this nature passed we are inclined to believe that the situation will remain just as it is today.



ARCHITECTURAL PHOTOGRAPHY

WE regret that so many of the architects in the South do not consider seriously the matter of having their work properly photographed. On account of poor photography we have been forced to return many a delightful subject, and every time such a thing happens it brings a great disappointment to us.

Whether the architects do not have a proper interest in the work after it has been turned over to the client or whether they are unable to secure good pictures from local photographers, we do not know. We do know that the architects in the South cannot hope to have their work published in the architectural journals and through the general read publications unless they pay more attention to securing the right kind of pictures.

In the past we have been guilty, like all the other magazines, of publishing most any kind of pictures, but the standard of the architectural press is such today that it is necessary to have the very finest photographs for illustrations. Each year one of the best known architectural photographers in the country makes a tour through the South and since we are in close touch with him we will be delighted to give you any information desired concerning his work.

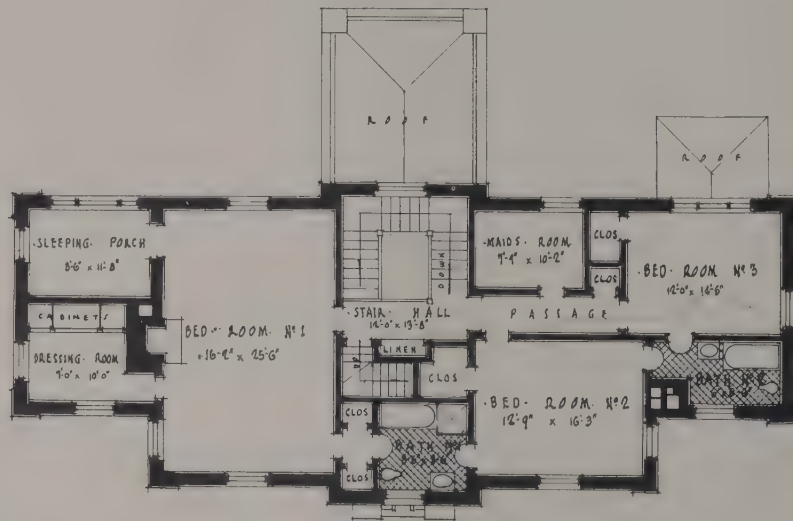
We are endeavoring to present through the *Southern Architect and Building News*, only the highest type of architectural subjects and at the same time present the subjects in the most attractive manner. For this reason we are zealous in seeing the architects of the South have their work photographed properly so their work can be shown to the very best advantage.



ENTRANCE DETAIL
HOUSE OF HENRY TOMPKINS, ESQ., ATLANTA, GA.
HENTZ, ADLER & SHUTZE, ARCHITECTS



HOUSE OF HENRY TOMPKINS, ESQ., ATLANTA, GA.
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SECOND FLOOR PLAN



FIRST FLOOR PLAN

SCALE: 1" = 4'-0"

HOUSE OF HENRY TOMPKINS, ESQ., ATLANTA, GA.
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DETAIL IN DRAWING ROOM
HOUSE OF HENRY TOMPKINS, ESQ., ATLANTA, GA.
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ENTRANCE HALL
HOUSE OF HENRY TOMPKINS, ESQ., ATLANTA, GA.
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The Architect's Open Forum



ON A SOUTHERN ARCHITECTURAL LEAGUE

BY EUGENE B. CHURCH, *Architect*

YOUR contributor in the February issue, writing under the title "The A. I. A. or a Southern League" is to be congratulated upon his very able exposition of the traditional, the orthodox position of the American Institute of Architects. Anything else could hardly be expected of one who has been honored by a fellowship in that august body. There is, however, another view and while at present it is not so widely accepted as the other, it is slowly but surely gaining ground. It illustrates the age-old antagonism between the orthodox and the modern, the resistance to change on one hand and the necessity of change on the other.

It is stated that the Institute leaders are loyal, enthusiastic and sympathetic but does not say to what. This statement per se is not to be denied. But to what purposes are these qualities directed—to their own personal interests, or to the traditional principles and practices of the A. I. A., or to achieving the highest good to the greatest number of architects including themselves as well as the public? This question is not only pertinent but vital and only by answering it and then determining what activity possesses the highest value, can the value of their activities be adequately or fairly judged.

It is asked if a Southern League could offer such prestige as the A. I. A. Is prestige in the A. I. A. the criterion of an architect's success or standing? Could there not be prestige in some other or outside of any other organization? And in any event, is mere prestige a worthwhile object any further than to satisfy vanity? Every worthy organization or movement offers the possibility of prestige to those who do much to promote its interests and if a Southern League were founded upon the proper principles; it too would offer such prestige and this entirely aside from the fact that it would arouse the interest, activity and co-operation of some or many whom the A. I. A. does not so arouse. And by all means, some method should be found and utilized for arousing and interesting those who are now (only apparently) apathetic.

The impression is given that those now outside the A. I. A. are the selfish and indifferent architects. Of course they are selfish, just as all those within the Institute and everybody else is selfish. Selfishness is not evil (unless developed or applied in abnormal or subnormal ways) but is the highest actuating motive of every form of life. But to what are

they indifferent? To any other reply than "to membership in the Institute," it may be rejoined that many Institute members are equally indifferent. Now just why is this? Quite evidently because the practices and principles of the Institute are not of such a nature as to arouse their interest, activity, co-operation and support. And who is to blame for this condition? Certainly not they. (Of course reference is made to normal and not to abnormal persons.)

Could another organization accomplish this highly desirable and necessary object? That would depend upon its principles and practices.

After stating the object of the A. I. A., it is asked what other object a Southern League could have as if there could be no other except a "drastic regulation of fees." Well, speaking of objects, it does not make so much difference what the printed and published statement is, as, how that statement is applied in actual practice. No statement, law, person, organization or machine is of much value unless it is properly directed, interpreted, applied to accomplish the highest and most necessary results. There are now two questions before the house; first, does the A. I. A. accomplish such result and if not, then secondly, could a Southern League do more and sufficiently more to justify its existence?

"It is said that the Institute conventions are cold and formal" and the criticism of members indicates that a similar condition exists in many of the chapters. This condition, if carried beyond a certain point, cannot but be inimical to an individual, a group or a sub-group. It indicates the wane of virility, an extreme limitation of activity, the allocation of privilege to the few instead of the many. The history of society amply demonstrates this fact.

Your contributor thinks that a new organization would lack both leaders and followers. But all the history of the race proves that there was never a vital cause of fundamental interest to a large group that lacked either leaders or followers and this is no time to quibble about that detail. The first thing we should do is to determine our greatest, most pressing need; then we should decide the best possible course to pursue to attain it; then we should follow that course aggressively, consistently—and to the end. (It may well be that the A. I. A. will and should continue to hold its present position, practices and membership while some other organization takes up the task of meeting modern conditions and

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needs with a membership largely overlapping that of the A. I. A.)

That the A. I. A. has accomplished much cannot be denied. But has it accomplished as much as it should and are its activities directed to those ends in which our greatest interests lie? Are architecture and its practitioners recognized by the public as they should be? Do architects receive a compensation consistent with their training and efforts? Do the vast majority of people understand and appreciate the services of an architect or do they turn to some other procedure when they want a building erected? A careful investigation will prove that they do the latter. Is architecture holding its own in the struggle for existence or is it being undermined and overthrown by antagonistic groups and interests? These are questions of far-reaching and fundamental importance and upon our answer and upon our effort with reference to them does our future depend.

The thing that architecture and architects need more than anything else is an organization dedicated to and eternally active in the cause of *Promoting Architecture to the Public*, designed above every other consideration to exercise every means of offense and defense in its power to preserve and promote our professional life and interests through *Educational Publicity and Appropriate Legislation*. And before this can be done, we must have group-consciousness, group-activity and group-co-operation. Educational publicity and legislation are our principal weapons of offense and defense and there is not a single organization, with the possible exception of the Hollywood Society of Architects, that has such an object. These weapons are being used against us with great and increasing effectiveness by contractors, architect-builders, real estate promoters, lumber companies, etc., who take millions of dollars worth of work out of our hands every year and the public suffers a loss with us. Even if we had no selfish interest (an interest so many scoff

at), we should at least be interested enough in the public welfare to make a decent effort to stop this wholesale economic loss. This is no time to stand on ceremony and reputation and exchange professional felicitations—it is a time for open and aggressive action because our life and highest interests are being placed in jeopardy every day and more so every year by antagonistic groups and interests.

Nearly all other groups, professional, business and trades have organizations of the character and purpose above described—except the architects. The A. I. A., it should be remembered, was organized many years ago amid vastly different conditions than those we face today; it has remained loyal to the principles and needs as then existed; but today we face other needs with the changing years and *we will meet them or perish*.

It should be evident to every thinking man that in the very nature of the case, the Institute is limited, just as are all other things animate and inanimate; that it cannot supply every need and meet every contingency; that some other organization could perform a service distinctly its own and not necessarily inimical to the Institute. And a Southern League, if properly organized and conducted, could do many needful things and thereby promote the cause of architecture, of the architects, the public, and possibly the Institute itself.

COMPLIMENTARY LETTERS APPRECIATED

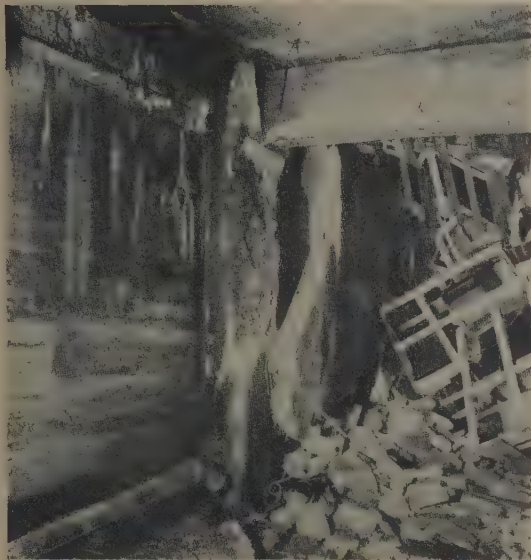
WE wish to take this opportunity of expressing our appreciation to our subscribers for the many complimentary letters received recently regarding the quality of the material being published and the attractive way in which the work is being presented. It has been impossible to acknowledge personally all the letters received and we do want you to know that your interest in the magazine and your satisfaction with our efforts is very inspiring and deeply appreciated.

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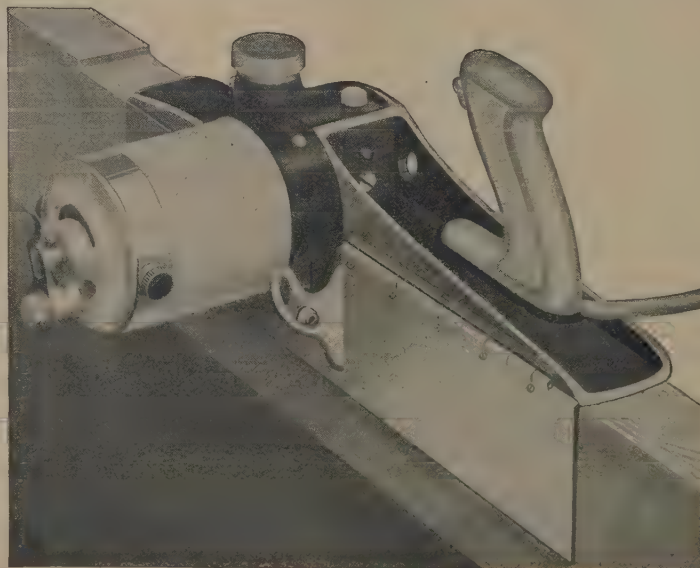
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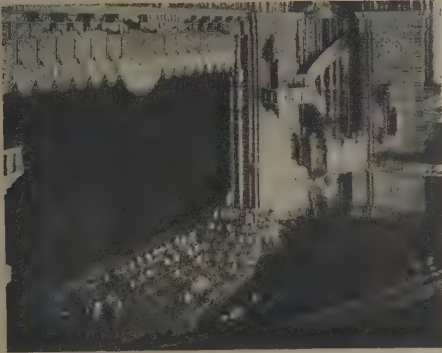
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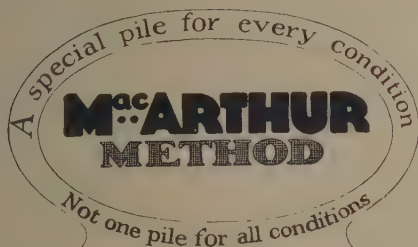
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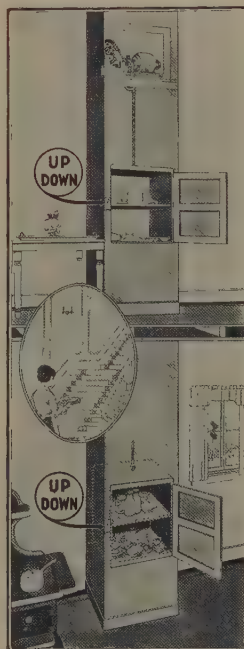
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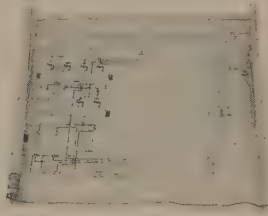
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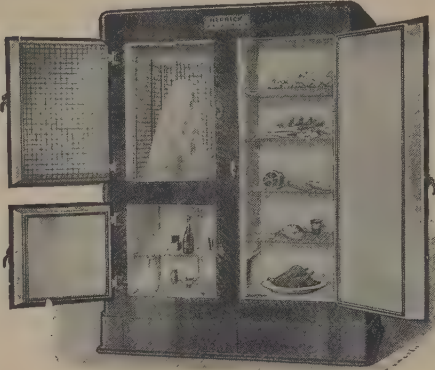
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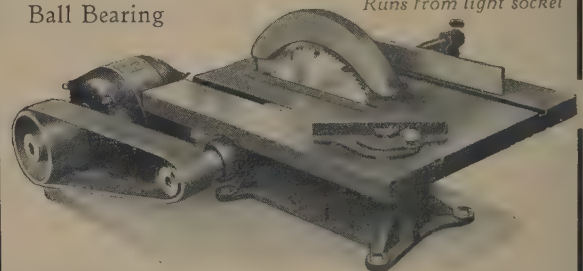
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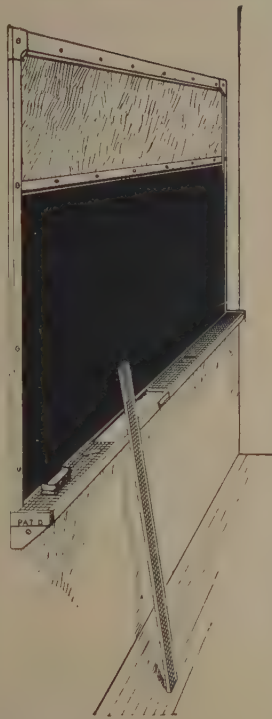
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Fig. 1

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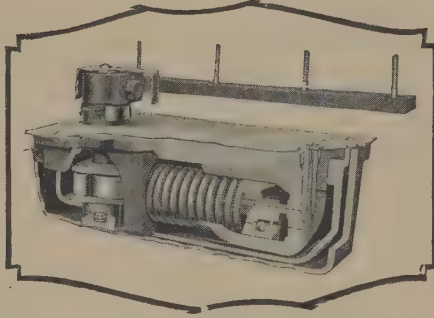
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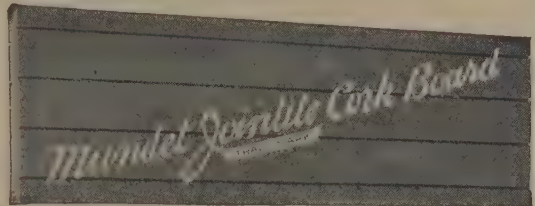
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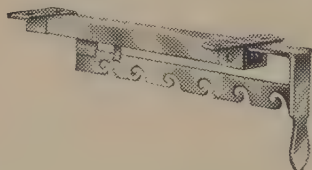
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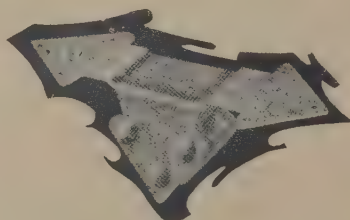
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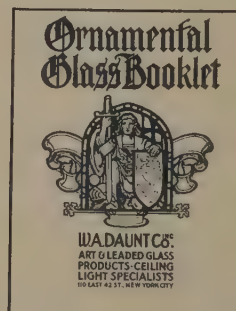
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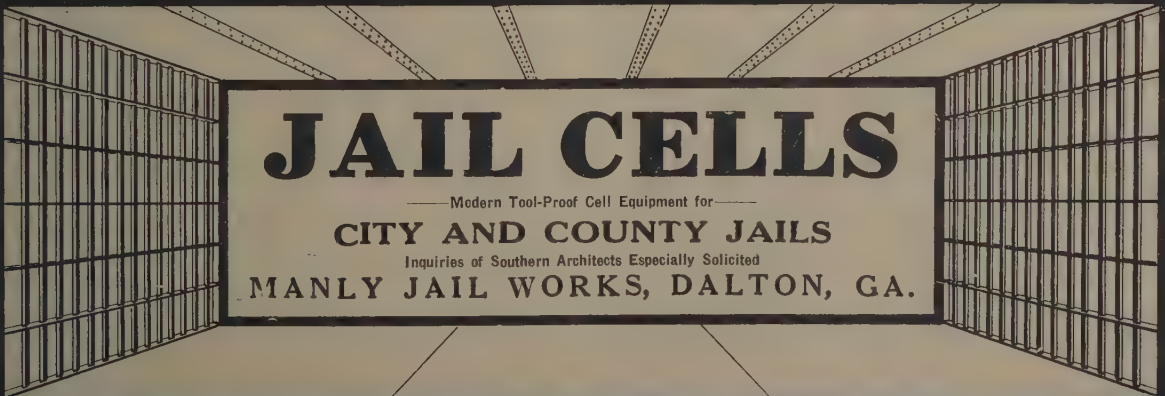
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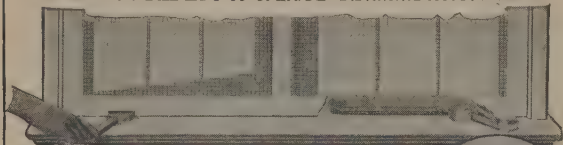
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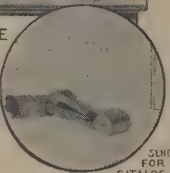


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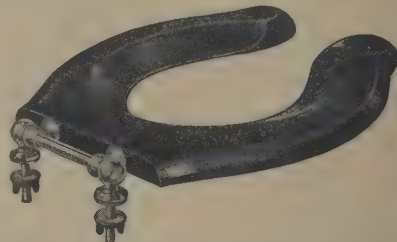
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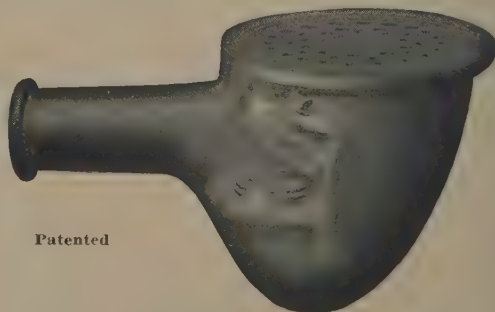
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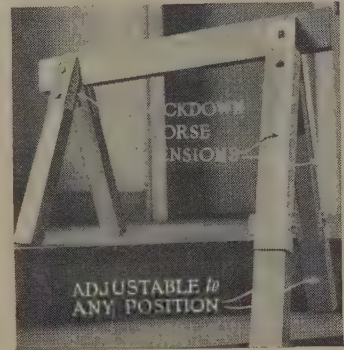
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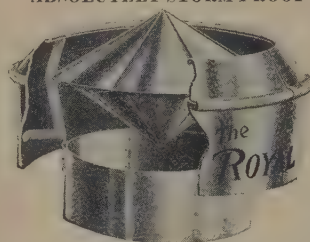
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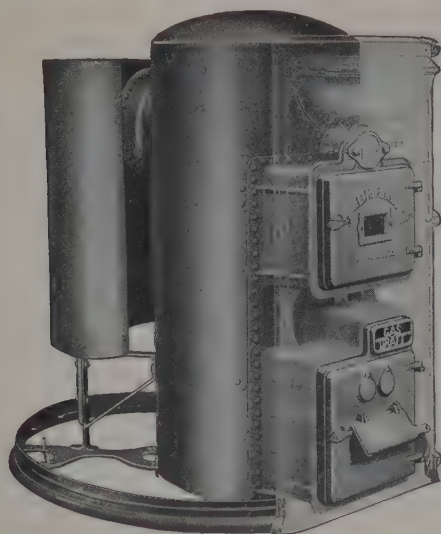
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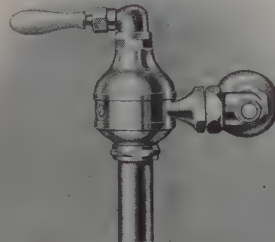
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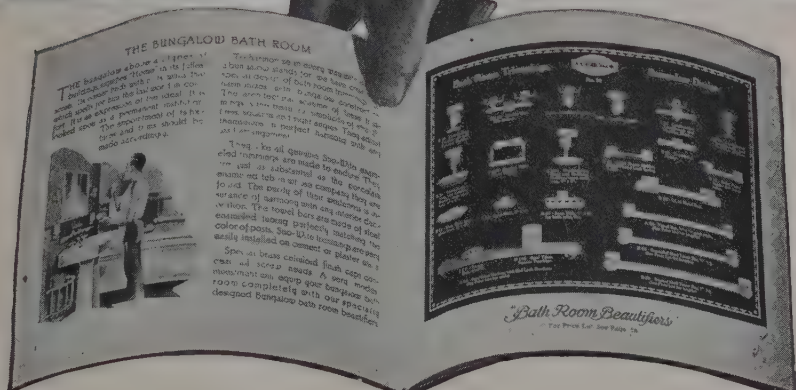
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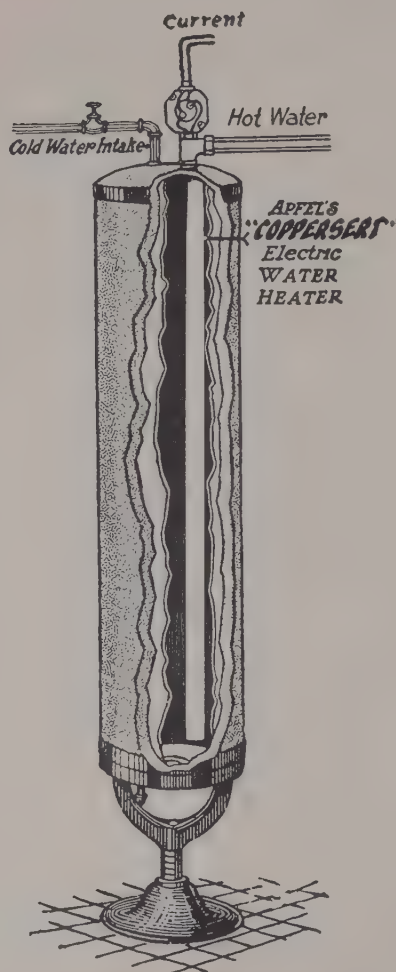
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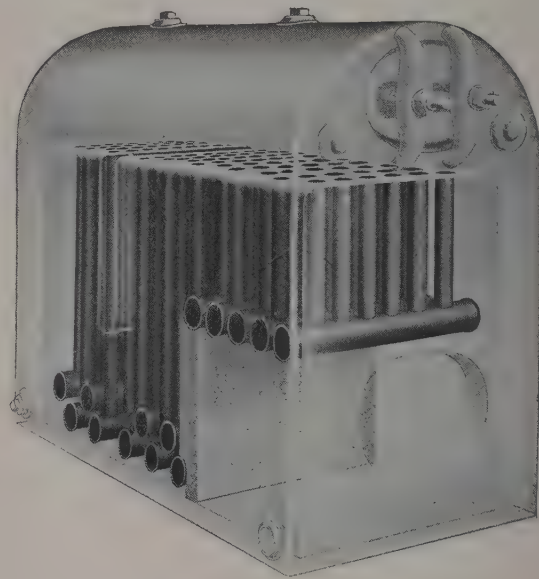
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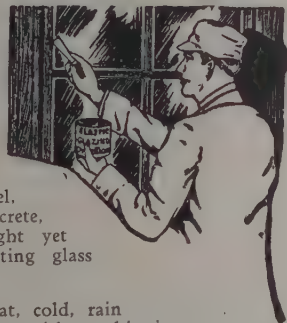
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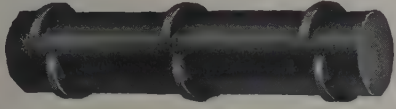
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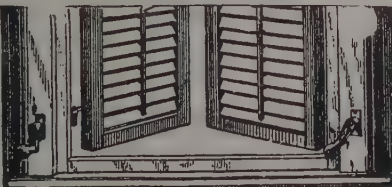
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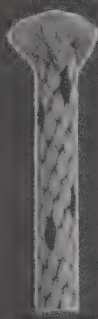
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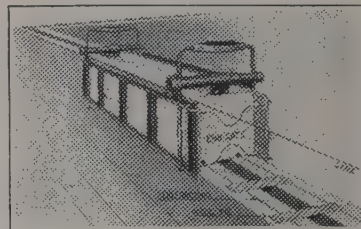
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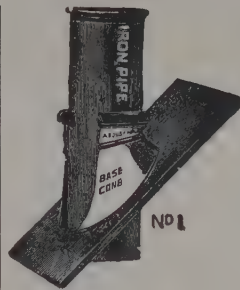
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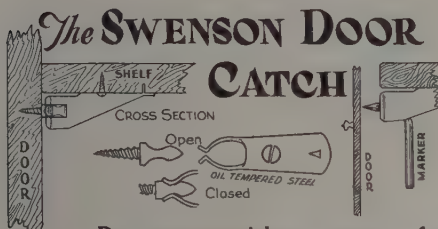
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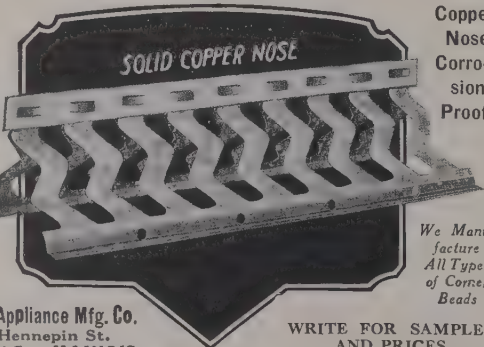
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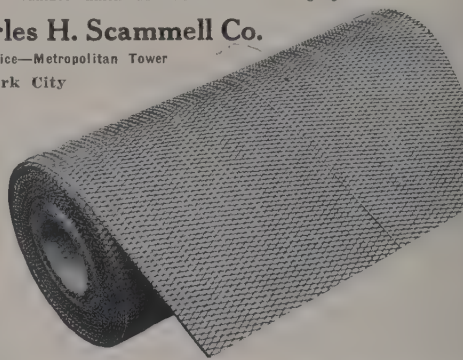
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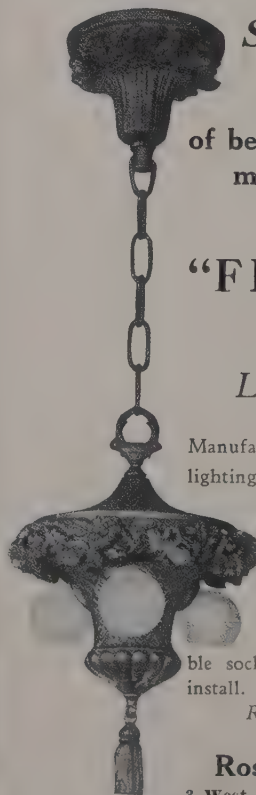
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See Alphabetical Index Page 94

FOR THE SERVICE OF ARCHITECTS, ENGINEERS, CONTRACTORS, AND BUILDERS

This index is compiled and published each month as a ready reference guide to specific subjects covered by the advertisements in this magazine. We wish to encourage our readers to make use of this guide whenever catalogs and other literature are desired of manufacturers' products. When writing these concerns will you kindly mention this magazine? If you do not find products listed that you want write the Service Department, Southern Architect and Building News, Atlanta, Ga.

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I

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Phoenix Iron Co., Phoenixville, Pa.
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J

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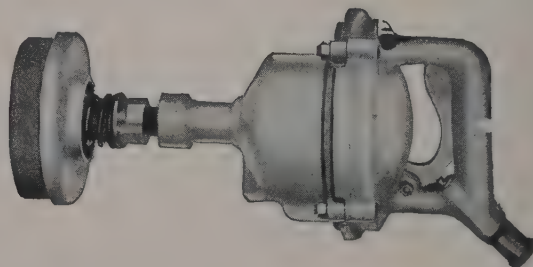
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M

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R

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T

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V

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W

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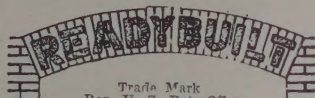
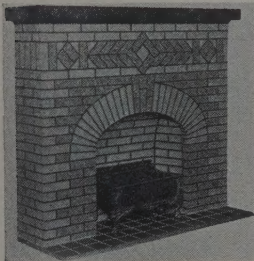
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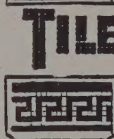
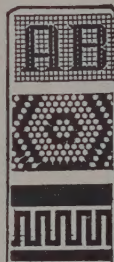


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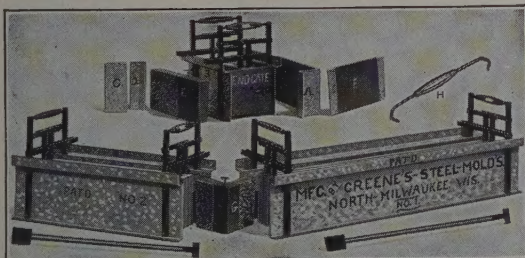


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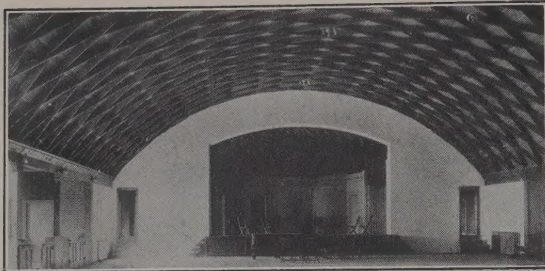
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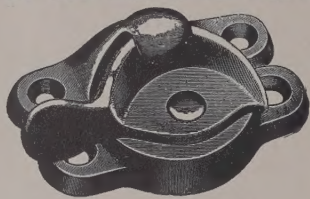
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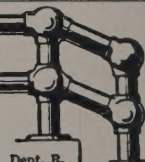
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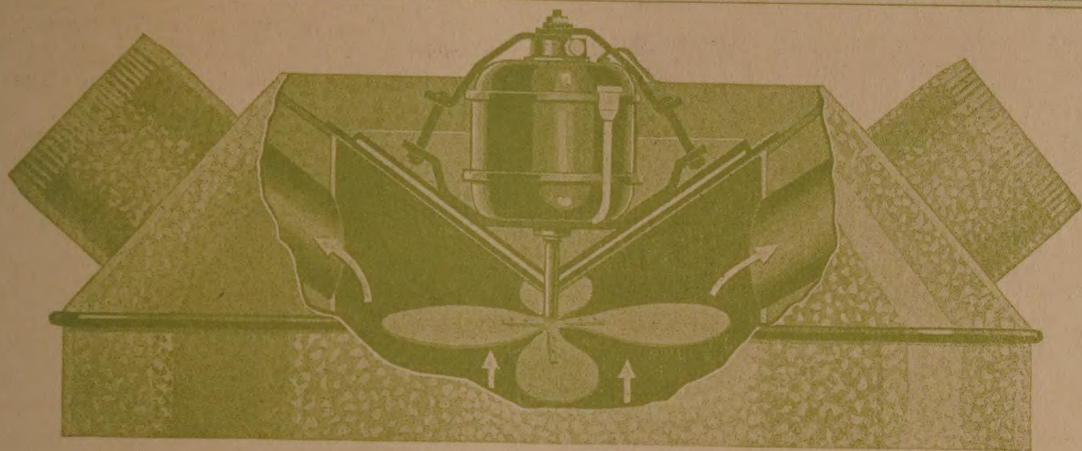


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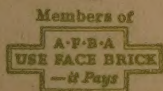
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without Sacrifice**

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May We Send Sample?



**SCHOOL HEADS
PUNCTURE NEW
FANGLED IDEAS**

Decide window ventilation better
than costly fan and duct
systems.

ASSERT MONEY WASTED
Temperature of 66 to 68 found
proper for effective stu-
dent work.

By JAMES O'DONNELL BENNETT.
Washington, D. C. Feb. 23.—Among
the multitude of important subjects
which 15,000 school superintendents
took up today, they believe none was
more important in its bearing on the
health and happiness of the American
school child than the subject of
schoolroom ventilation.
Experts were called into long
conferences and the final decision
was for a schoolroom temperature of
from 66 to 68 degrees Fahrenheit.
Certainly not a shade above 68 de-
grees, which was voted pretty nearly
ideal.
Investigations which have lasted
three years now reveal the fact that
when 68 degrees substantially is ex-
ceeded startling results follow. At 75
degrees the children examined did 15
per cent. less work than they did at
68 degrees. When the mercury
reached 86 degrees, 28 per cent. less
work was done.
In a sense the findings of the su-
perintendents were so reactionary as
to be revolutionary, for they decided
that after all the old-fashioned
scheme of window ventilation—with
a deflecting board and a radiator under
the window to warm the air—years
ago contrived was not a bad one.
Modern contraptions involving that a
window ventilated room at 87 de-
grees is characterized by "materially dis-
tinctly lower incidence of respiratory dis-
eases" than a fan ventilated room at
69 degrees.
Tests made in a fan ventilated
schoolroom at 68½ degrees showed
a 70 per cent. increase in coughs,
sneezes and sniffles as compared
with a window ventilated schoolroom
at 68½ degrees. Those tests were
based on observation of 3,000 chil-
dren during two winters. Other
tests were so thoroughly planned
for them at Fairfield, Ct.
The current convention of school
superintendents finds that the ordi-
nary effects of the atmosphere of a
badly ventilated room are not due
to mysterious organic poisons or
to its high temperature, humidity,
or to its high temperature, humidity,
lack of movement, and the effect of
such air on the heat-regulating pro-
cesses of the body. Hence, a low
flow of cool air is better than a high
flow of warm air. Essential to every
school are the thermometer, the open
window and the deflecting board.
The convention of the New York
school and the chairman of ventila-
tion, C. E. A. Winslow, professor
of public health in Yale school of
medicine and chairman of every
New York state commission on ven-
tilation, said that fan systems of me-
chanical ventilation now required
by law in many cities, were costing
twenty years ago, and unnecessarily in-
crease a year in the state of New York
alone, besides substantially increas-
ing the cost of building new schools.
The convention's endorsement of
the pending Curtis-Reed bill, creat-
ing a department of education with
its secretary a member of the Presi-
dent's cabinet, was unanimous.

Fifteen Thousand School Specialists Indorse Window Ventilation As Superior To All Other Methods

Besides saving huge
amounts of money in
the ventilation of schools,
AUSTRAL WINDOWS
result in an attractive and
"architecturally correct"
interior. The **AUSTRAL**
WINDOW not only produces
the very result desired or recom-
mended by the superintendent but
it is achieved without the un-
sightly and unsanitary deflector. The
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