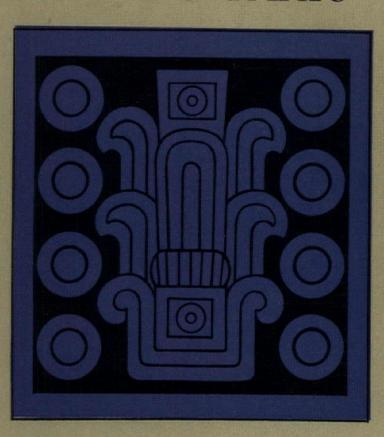
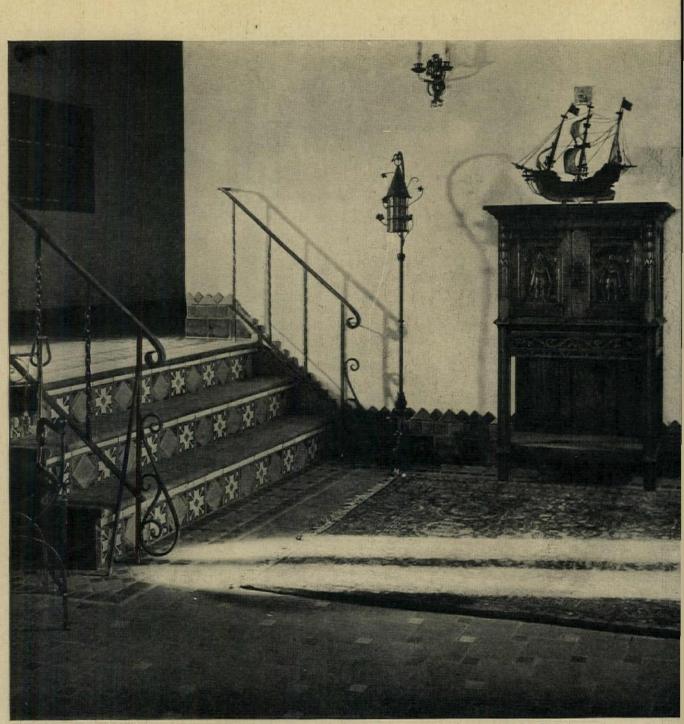
# THE RCHITECTURAL FORUNA IN TWO PARTS



PART ONE ARCHITECTURAL DESIGN MAY 1928



Entrance hall of the Barcelona Apartments, Forest Hills, N. Y.

Boris W. Dorfman, Architect

OLDEN brown tile steps and a golden brown tile floor contrast with plain plaster walls to give this Spanish entrance hall a colorful grandeur. The floor is of 6 x 6 unglazed Faience tiles in golden brown combined with smaller units of 1½ glazed Faience tile in emerald green, deep blue, crimson and canary yellow. The base repeats the same colors in glazed Faience. The risers of the steps are decorated Faience tile in blue and yellow—the treads repeat the golden brown of the floor.

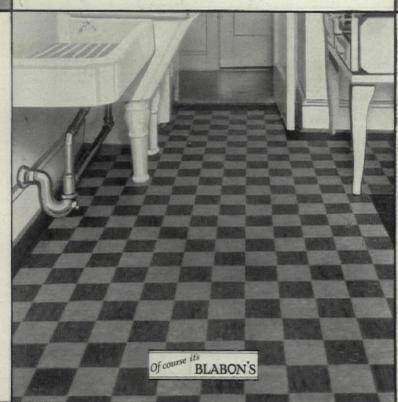
> ASSOCIATED TILE MANUFACTURERS 220 Graybar Building 420 Lexington Avenue, New York, N. Y.

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May, 1928



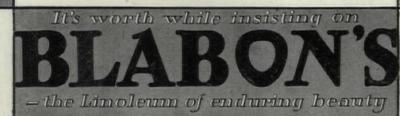
F course you are aware that all modern apart-Or course you are aware that an indesirable fea-ment houses now offer especially desirable features, which lately have extended to the complete furnishing of the kitchens and breakfast nooks.

Since the floor is such a conspicuous part of the picture there is an especial reason why it should be a Blabon floor.

A Blabon floor of quality linoleum, with soft agree-able tones beautifully "poured" into place, and with harmonious borders, completes a perfect ensemble.

The illustration on this page shows the beautiful Manursing Lodge Apartments, Manursing Island, Rye, N. Y. An attractive pattern of Blabon's Linoleum is installed in the up-to-date kitchens in these apartments.

What could be more appropriate, more practical, more enduring, more enticing to the prospective tenant, than floors such as the one shown herescientifically installed over builder's deadening felt, cemented down, rolled, waxed and polished?





Look for this label on the face of all Blabon's Linoleum

**7OLUME XLVIII** 

#### THE ARCHITECTURAL FORUM

Number 5

<sup>2</sup>ublished Monthly by Rogers & Manson Company, 383 Madison Avenue, New York, N. Y. Yearly Subscription: U. S. A., Insular Possessions and <sup>2</sup>uba, \$7.00. Canada, \$8.00. Foreign Countries in the Postal Union, \$9.00. Single copies: Quarterly Reference Numbers, \$3.00; Regular Issues, \$1.00. Entered as Second Class Mail Matter at the Post Office, New York, N. Y., under the Act of March 3, 1879.

Our Architectural Service Bureau will consult with you when desired, making recommendations of linoleums best suited to specific conditions, and will furnish manufacturer's detailed specifications concerning installation by the modern methods.

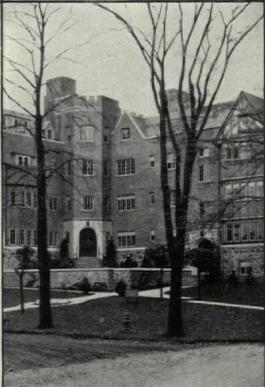
Important to remember: A linoleum floor is no better than the installation.

Our Advisory Bureau of Interior Decoration will also cooperate, without charge. We will send upon request, a reprint from Sweet's Architectural Catalog, a box of quality samples, and a 1928 Blabon Pocket Size Pattern Book.

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2

### THE ARCHITECTURAL FORUM

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## Built as a Monolith

**E**NDURING beauty of line, with rich architectural treatment, in a structure of purely utilitarian purpose, has been achieved in this new concrete building. Of especial interest is the fact that it is truly a monolith. Story by story, the concrete for the frame, floor systems, wall panels, and exterior decoration, was placed in a continuous operation. Speed of construction (180 days) was attained, largely because the materials were all available from stock and the contractor's regular force could erect them, with ample time for the complicated interior and mechanical equipment. The building exemplifies the manifold possibilities of reinforced concrete for modern, fire-safe structures of utility and beauty.

PORTLAND CEMENT Association

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BRIXMENT ABCHUTECTS know by experience that for C

ARCHITECTS know by experience that the only stuccos that have successfully withstood the test of time are true-cement stuccos—that is, stuccos made with either portland cement or BRIXMENT.

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It has been definitely proved, however, that the same characteristics that make BRIX-MENT preferable to portland cement and lime for masonry make it equally preferable to these two materials when used for stucco.

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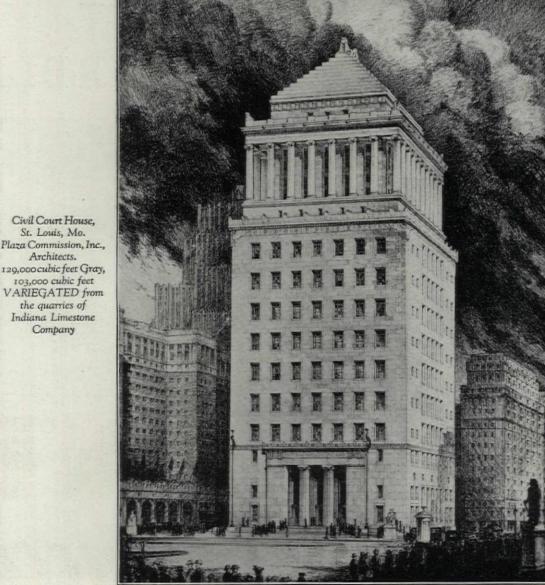
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You will find it true that Gray for the lower stories and VARIEGATED above, especially in high buildings, always gives an interesting effect. Therefore it is well to specify "Gray Indiana Limestone for the lower stories and VARIEGATED Indiana Limestone for the upper stories." And it is well to add this clause: "from quarries whose stone has been tested and approved by the United States Bureau of Standards."



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May, 1928

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Plain cement floor, treated with surface hardener. Photograph of floor in Richman Brothers' Plant, Cleveland, Ohio

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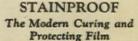
Presenting specific, illuminating new facts about floor performance, obtained by a survey of actual industrial floors like the ones above, this book will be a valuable aid to every Architect, Contractor and Owner.

A copy of "Plain Talk About Concrete Floors" will be furnished without charge, upon request.

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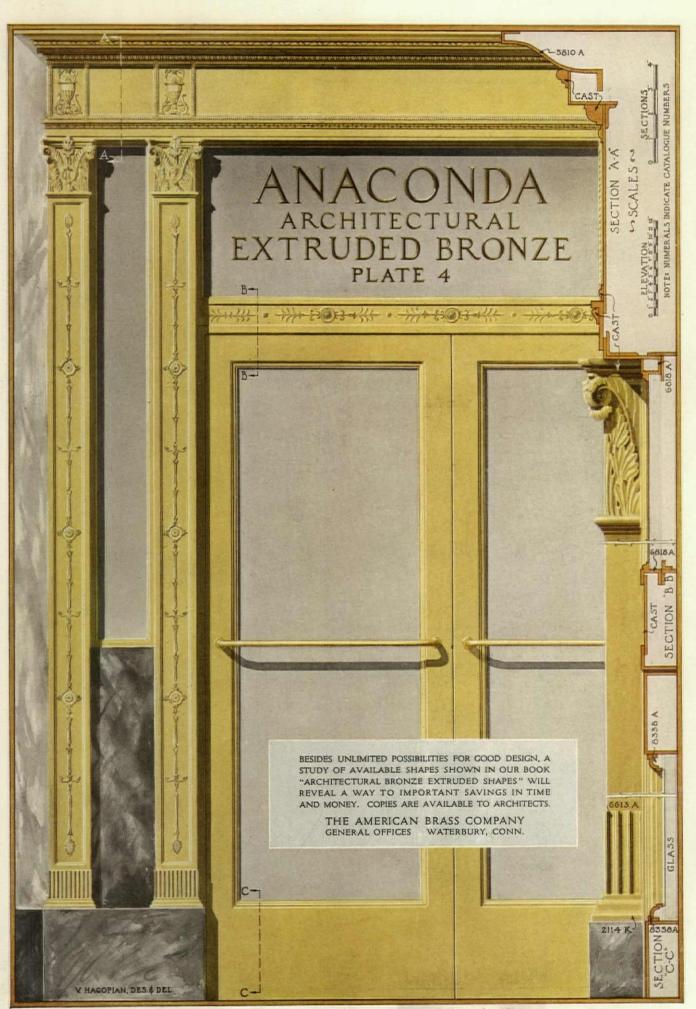
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ARCHITECTURAL DESIGN



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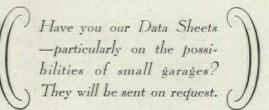
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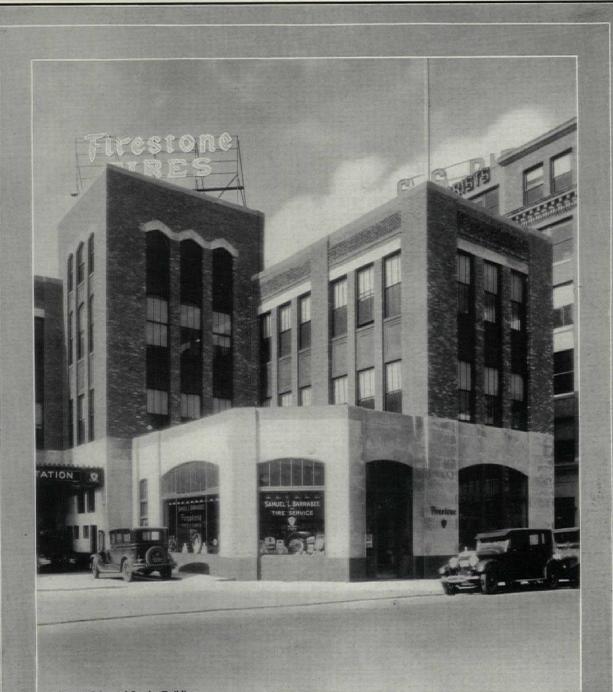
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Part On

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### May, 1928

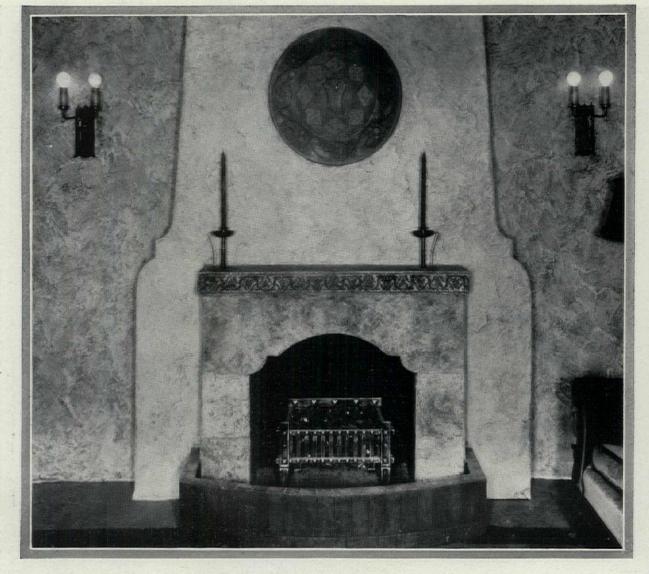


Boston Sales and Service Building The Firestone Tire & Rubber Company

> Similar architecture was adopted for the Boston and St. Louis service buildings of The Firestone Tire & Rubber Company, both designed and built by Stone & Webster, Inc. A power station in Los Angeles is also included in the construction contracts for this client.

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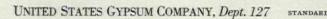
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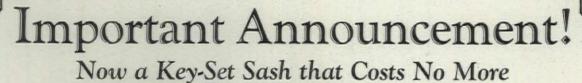


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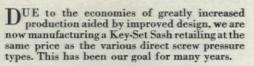
TEXTONNE Reg. U.S. Pat. Off. THE PLASTIC PAINT TODAY'S STANDARD : TOMORROW'S WATCHWORD Made by the United States Gypsum Company

US

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Than the Direct Screw Pressure Type



There are many advantages in this type of store front construction:

1.—It is the only sash embodying the safety feature of indirect screw pressure, and the use of self adjusting setting blocks upon which to set the glass (patented). 17

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### ARCHITECTURAL DESIGN



THE MILAM BUILDING San Antonio, Texas

> GEORGE WILLIS Architect

L. T. WRIGHT & CO. Contractors

COTTER BROTHERS Masonry Contractors

Faced with Varying Shades of Acme Ivory, Buff and Gray Tones from our Perla Kilns

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'HE "Art of the Skyscraper"-the cathedral of commerce, towering with majesty and colorful contrast toward the blue of the sky-typifies the genius of the American architect to give to the utilitarian an investiture of exquisite form and color harmony. With this art, said to be America's greatest gift to architecture, Acme Brick finds favor as a color medium suited to any architectural type.

The Milam Building is another noteworthy instance in which Acme Face Brick has been employed in the "Art of the Skyscraper." Its colorful walls in varying tones of ivory, buff, and softly contrasting grays, grace the skyline of San Antonio. The name Milam brings to mind one of the heroes of Texas' Cradle of Liberty—the sacred Alamo, situated within shadows' length of this modern colorful skyscraper. One exemplifies the sacred traditions of the past, the other typifies the splendid progress of the present.

Let Us Help You Solve Your Color Problems

tural type or period.

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"Manufacturers of the Products We Sell"

"A Brick for Every Type-A Color for Every Color Scheme"

Thirty-seven years in the art of brickmaking and ten Acme owned-and-operated you face brick that meets precedent of any architec-

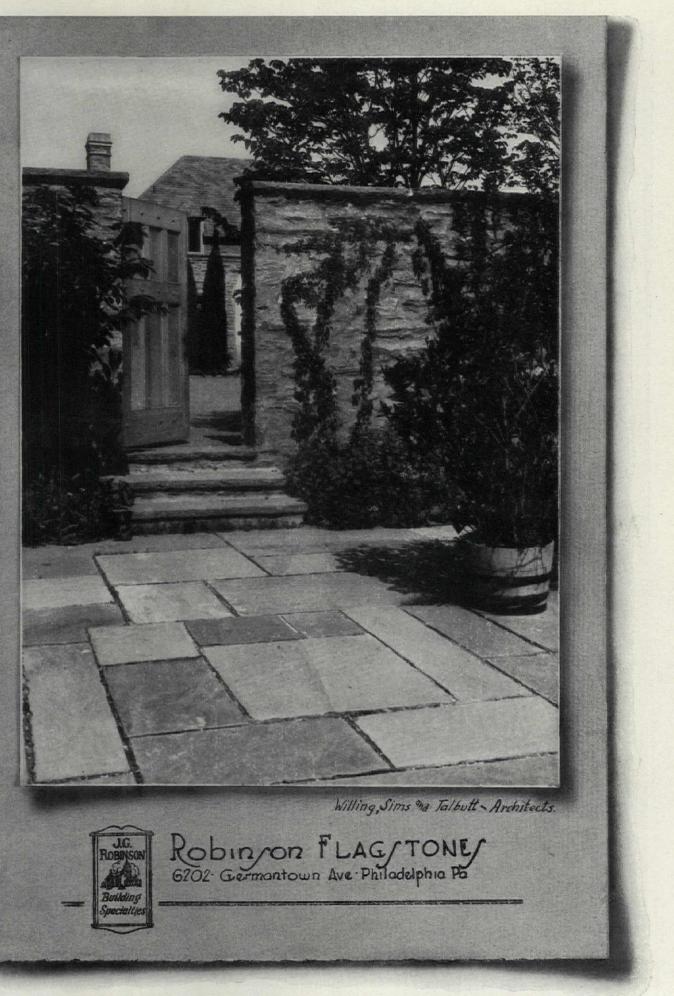
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Iay, 1928

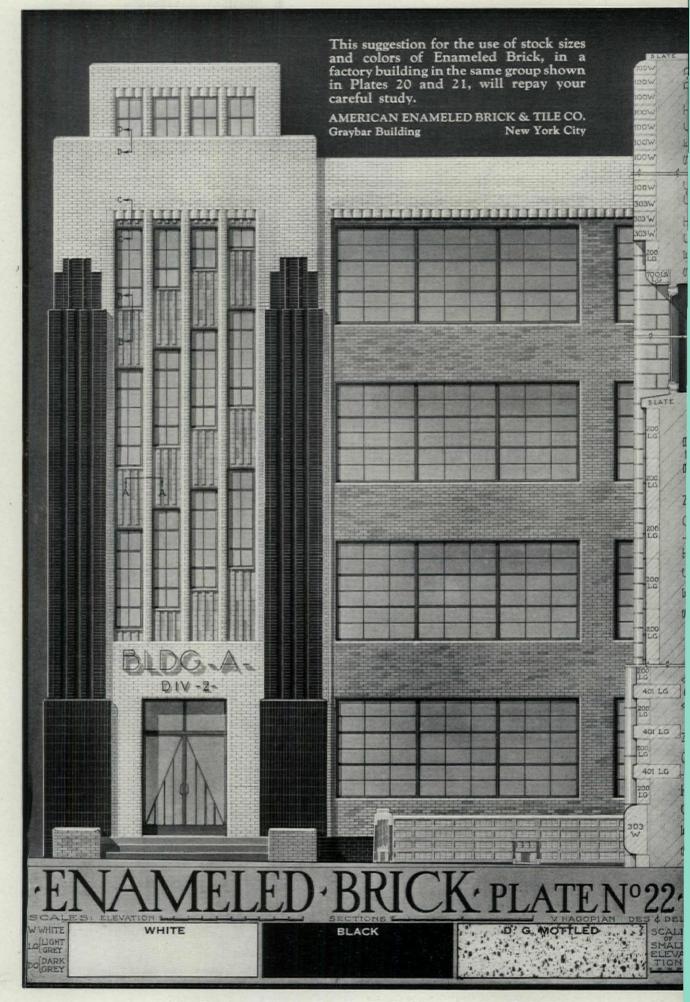


Our illustrated pamphlet, rich in design suggestion, showing the successful and artistic use of Flagstone will be sent on request.

19

### ARCHITECTURAL DESIGN

Part Or



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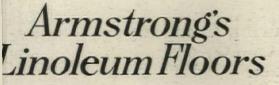
FLOORS OF COLOR - THEIR ARCHITECTURAL VALUE \*

NOTE THAT THE dominant color of this Armstrong's mbossed Handcraft Tile Inlaid, design No. 6005, ntrols the remaining decoration of the room. Stair-rpet, rugs, baseboard and wall are all in close mony with the mass of color in the floor. In similar anner the balance of the room decorations continue build up the color scheme to a perfect room ensemble.

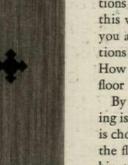
t the right is Armstrong's Inset Jaspé, pattern No. 2, a floor of solid color relieved by an inset figure black linoleum.

FOR LINOLEUM SPECIFICATIONS or installation and maintenance specifications wering Armstrong's Linoleum Floors, refer Section B of Sweet's 1927–28 Architectural section B of sweet's 1927-28 Architectural italog, pages 1578-1583, or write for the irrent edition of our architect's handbook, Armstrong's Linoleum Floors,'' 40 pages,  $8\frac{1}{2} \times 11$  inches in size.

\* This is No. 2 of the series— "Floors of Color." Ask for reprints of all six pages of the series.



for every room in the house LAIN ~ INLAID ~ EMBOSSED ~ JASPÉ ~ ARABESQ ~ PRINTED





*a.*s.s COLOR where the room begins

 $I_{\text{can simplify the exe-}}^{N a \text{ single move you}}$ cution of even the most complicated color scheme. From plan to finished room you can proceed with the decora-

# simplifies the color scheme...

tions more quickly, more surely. Yet you can do this without sacrificing plan effectiveness-in fact, you actually increase it, for the lines and proportions of the plan are given maximum emphasis. How is it done? Simply by specifying color for the floor . . . . right where the room begins.

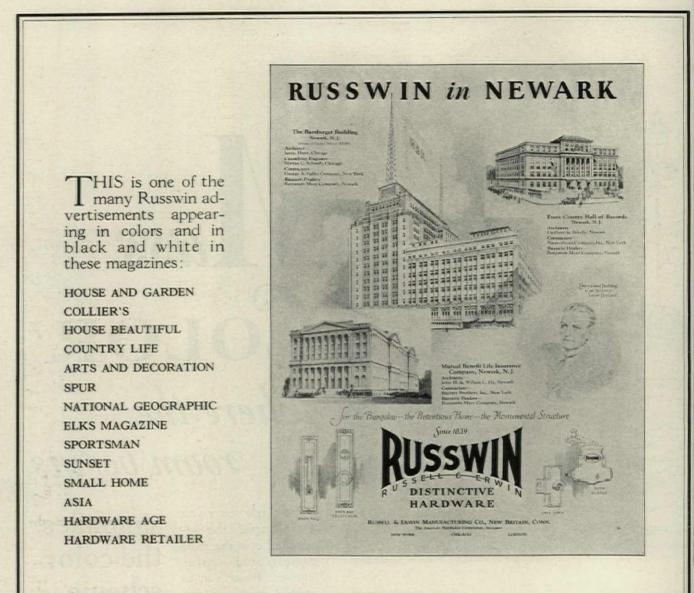
By starting with the floor, the rest of the decorating is surprisingly easy. Each addition to the room is chosen to harmonize with the dominant color in the floor. At once you see the proper color combinations for walls, hangings, furniture-in fact, for every decorative feature of the room.

As signposts on a branching road guide the traveler, so Armstrong's Linoleum Floors point the way to correct room color schemes. In every pattern there is a dominant color to which all other decorations are easily and effectively keyed.

Besides color and beauty of pattern these floors offer long wear, low cost, and easy care. Ask for a sample showing the new Accolac finish. Armstrong Cork Company, Linoleum Division, Lancaster, Pa.

### ARCHITECTURAL DESIGN

Part One



RUSSWIN cooperates with architect and builder in promoting better building. Each month Russwin advertisements are appearing in publications read by those who appreciate the best in building design and construction. These advertisements not only call attention to the enduring and trouble-free service of Russwin Hardware, but also feature outstanding buildings throughout the country.

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London

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# HEINZ "Ronda" Tile

RUE to the genuine Spanish and Italian architecture of theOld World, this charming tile is a pleasant departure from the ordinary commercial tiles of today—a wholly new expression in tiles of Mediterranean heritage.

The originals of these tiles were found in the Spanish town of Ronda, where we saw quaint old women mix the clays in rudely contrived machines—watched them mould the tiles by hand and deftly shape the butts and edges with their finger tips.

Because they were formed by hand, no two tiles were exactly alike. They were also noticeably flatter in curvature than the ordinary tiles you see today. The charming random length effect resulted from occasional repairs made by shoving new tile up under the old. Centuries of exposure to the weather had produced subdued and delicately blended color tones.

Today these old Spanish tiles are faithfully reproduced by our carefully trained craftsmen. Butts and edges are individually moulded by hand and the furrowing and characteristic sanded effect is formed by the most skillful workmen. Even the colors are masterfully reproduced from samples which we brought back from old Spain.

If you are interested in a roof that is decidedly different—a roof that is true to the architectural designs of Spain—we know you will want to see these tiles. Samples will be sent upon request or our representative in your territory will gladly drive you to a home roofed with this old Spanish tile.



Residence, H. L. Dillon, Mountain Lake, Florida. Franklin D. Abbott, New York City, Architect.



#### ARCHITECTURAL DESIGN

Part One

STANLET

# Where Solden

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Here is the latest boon to nerves and sleep. The Stanley Friction Butt stops door slamming! It was developed to help the architect obtain silence where silence is of vital importance.

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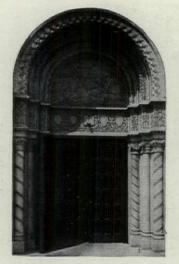
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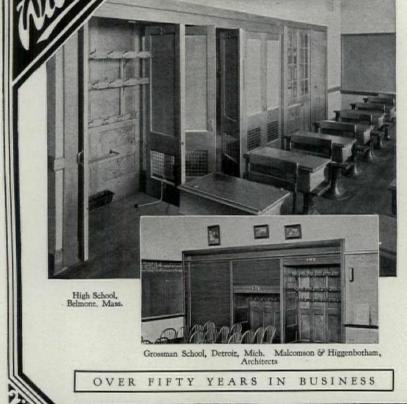
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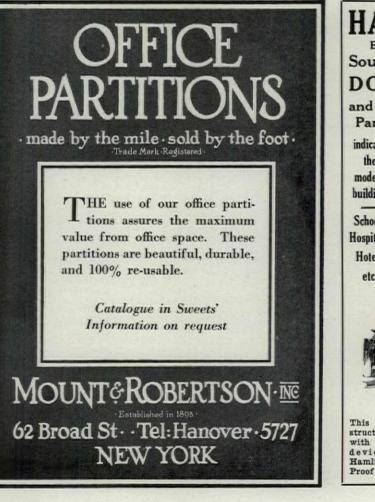
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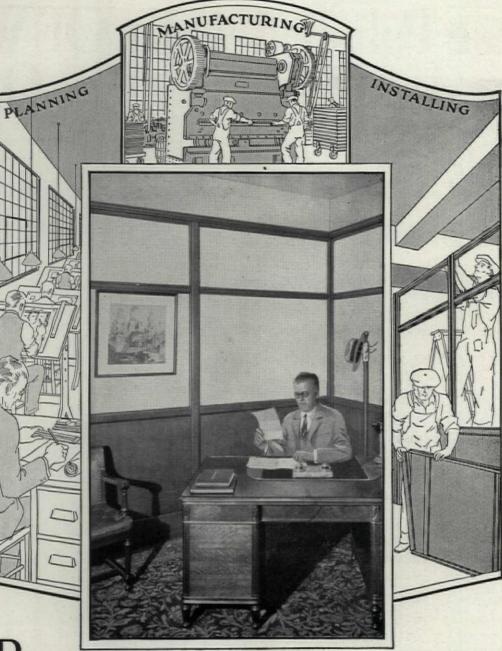
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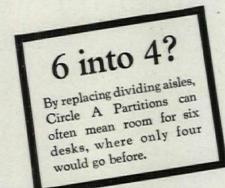
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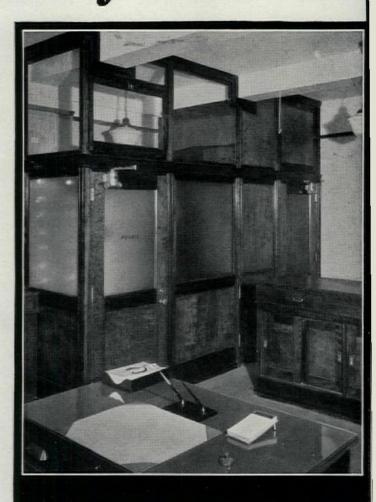
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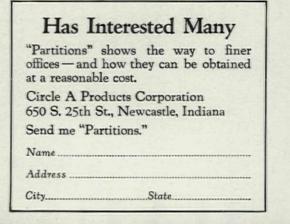
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### BOOK DEPARTMENT

### A REVIEW OF RECENT AMERICAN ARCHITECTURE

A MERICAN Architecture of the Twentieth Century" is a portfolio of illustrations and measured drawngs of some of the most notable modern buildings. In is interesting preface, Louis Mumford explains that American architecture presents a series of paradoxes. It has sought the antique, but achieved the modern. In the lays when an architect was free to work with an eye for beauty alone, the result in many cases was failure. When, on the other hand, the architect is hampered by many utilitarian needs, such as questions of access, light, air, transportation, and so forth, the result, in many instances, is magnificent. The characteristic setback skyscrapers came about not by experimentations of the architect, but because of the intent of the New York building code to provide a modicum of light and air to surrounding buildings. Our architecture has achieved a modern style, in contrast to that of the Europeans, without any definite program of modernism. The buildings are modern in spite of themselves. It arises from a straightforward facing of the problems of function. During the nineteenth century, architecture developed slowly, because we interposed between function and expression an unrelated set of rules, having to do with use of the five orders, symmetry, historic style, and so forth. If we are moving toward coherent design, it is because of the mechanical complications of the modern building; function be-

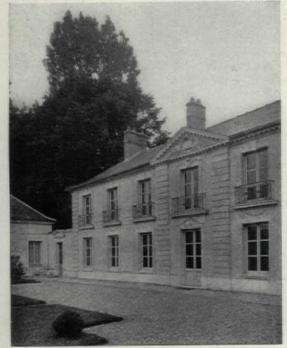
comes insistent. This keeps the architect from designing obsolete imitations. A modern building must be mechanically adequate, and this by a paradox has helped the architect rather than hindered him in the creating of new forms. Another paradox is that our ornament has become more playful as our mechanical requirements have become more rigid. In our buildings the plans, which were originally laid down by the architect himself, are now almost wholly outside his scope; the amount of floor space, number of floors, and other details, are determined by the financier and engineer before the architect gets to work. Aside from the problem of working the mechanical requirements into an interesting mass, the architect is limited to what was formerly the weakest department in modern architecture,-designing the ornamental detail. Our emphasis on mechanical utilities has caused ornament to come back. Just as the depressing routine of office and factory has its counterpoise in jazz, our mechanical forms, in terms of cubic feet of air, square feet of rentable space, etc., have their off-set in the gay forms of decoration which have appeared on the best of our office buildings. There are enough fine examples to show us we have made a start on a road worth following.

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The first building dealt with in this portfolio is the Shelton Hotel, New York, Arthur Loomis Harmon, architect, thought by many to be one of the finest ex-

## The Smaller Houses and Gardens of Versailles By Leigh French, Jr. and Harold D. Eberlein

FOR the moderate-sized American suburban or country house there is nothing to follow in the way of a type at once more beautiful and more practical than the seventeenth and eighteenth century French houses of the same kind. The type possesses that graceful balance in the way of exterior design and that slight degree of formality of interior which is being expressed in current domestic work of the same character; and from all the domestic buildings of seventeenth and eighteenth century France there is nothing which offers a more fruitful basis for study than the smaller villas built near Versailles for the attendants of the French court. These buildings possess in an unusual degree just those qualities in the matter of design now most sought for in America.



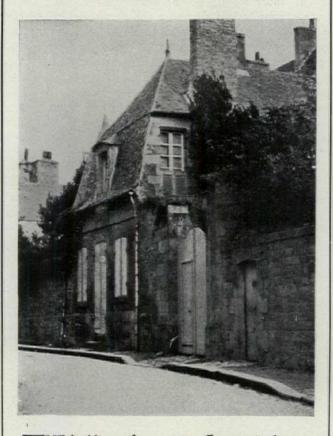
THIS volume, prepared by two students of French and American architecture, is a practical study into the adaptation of the simpler French forms to American conditions. There is not one of the many villas illustrated which does not afford abundant suggestion in the way of exteriors to present-day architects, and the interiors with their simple and graceful disposition of wall paneling, mantels, and stairways abound with sugges-tions for working out interiors to accord with the expression given by the buildings' exteriors. Plans in many instances are easily adapted for use today, and the arrangements of the gardens and other outdoor areas offer suggestions for making these important adjuncts to American suburban or country houses heighten the character and interest of the buildings themselves.

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### THE ARCHITECTURAL FORUM BOOK DEPARTMENT

## French Farm Houses, Small Chateaux and Country Churches

By Antonio di Nardo With Preface by Paul P. Cret



THE buildings of no country offer more in the way of inspiration for present-day architects than those of France. French towns and villages are filled with fine old houses and shop buildings, and the countryside abounds in farmhouses, farm structures singly or in groups, manor houses large or small, and the rural churches and wayside shrines which are among the most beautiful buildings of their kind in the world. All these structures by reason of their direct and practical designing supply the best possible precedent for modern work.

This volume contains more than 300 half-tone illustrations of buildings of this character, and in many instances illustrations of details are given, with drawings showing the bonding of brick or the arrangement of half-timber construction. The work would be worth many times its cost to any architect interested in the design of domestic buildings and small churches.

> 176 pages, 12 x 16 ins. Price \$18 net

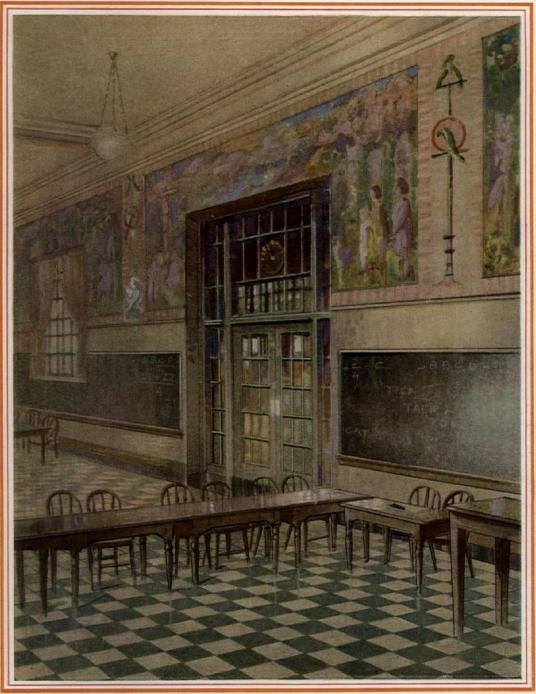
ROGERS & MANSON COMPANY 383 MADISON AVENUE NEW YORK

amples of modern architecture. An illustration show the entire facade from the west, where the interesting division of mass, and the fine relationship of the vertica lines in opposition to the horizontal are seen to advan tage. There are illustrations of the excellent detail of the windows, and the main entrance, showing the simpl use of ornament. The west elevation is given in detail together with the floor plans of the hotel. The Bower Savings Bank, New York, York & Sawyer, architects, i dealt with; illustrations are given of the elevation, detail of the entrance, showing Romanesque influence, and elaborate portals, interesting windows with their gro tesques, and details of the main arch. There are three illustrations of the interior which are of particular merit The American Radiator Building, New York, Raymond M. Hood, architect, shows to advantage when photographed from Bryant Park. The novel treatment of detail, well shown in the illustrations and drawings, together with the floor plans, gives one a very clear idea of one of the most famous modern buildings. It is particularly refreshing to note the simple architecture of the Ford Engineering Building, Albert Kahn, Inc., architects. The use of the order, the medallion, and the tile roof, are altogether pleasing. There is given an excellent illustra-tion of the New York Telephone Building, from the Hudson River. Illustrations of the tower detail, of the corridor, and some distinctive bronze castings, are well worth while, and there are excellent drawings of the elevation and details. Cass Gilbert achieved an interesting general plan, and forceful building, in the U.S. Army Supply Base, in Brooklyn. The structure, and the massive bridges over the avenues, are wholly in keeping with the type of building, and the illustrations show the clever play of shadows emphasizing the vertical lines of the structure. The Bush Terminal Building, New York, Helmle & Corbett, architects, was one of the first skyscrapers of the newer type that combine the utilitarian requirements with distinct beauty. The excellent orna-ment on the upper stories, and the restrained ornament of the entrance, are details that make for the betterment of American architecture. An interesting example in Los Angeles, Grauman's Metropolitan Theater, William L. Lee Woollett, architect, has an almost barbaric appeal of unique distinction. The massiveness of the scale, and the imagination displayed in the interior architecture. are particularly fascinating. Classic motifs, and motifs of the most primitive sort, are used side by side, producing an exotic effect, which in the case of a theater is perhaps desirable. At the same time, there is the strength of the orders, and the large scale of the ornament gives a certain savage flavor to the whole. Plates and plans of the University of Michigan Union, Ann Arbor; Alabama Power Co. Building, Birmingham; Hollywood Terminal Building; and the Indianapolis Public Library, present these structures in detail. To the architect or to anyone interested in the better type of American architecture, the work should prove invaluable, as the scope for study in each example illustrated is wide, and the buildings illustrated and described have been carefully selected. with an eye to their practical planning and designing.

AMERICAN ARCHITECTURE OF THE TWENTIETH CEN-TURY, VOLUME 1. A Portfolio of Illustrations and Measured Drawings of Modern Civic, Commercial and Industrial Buildings. Edited by Oliver Reagan. Plates 14 x 20 inches. Price \$26.50. Architectural Book Publishing Co., Inc., New York.

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Part On



Painted by A. Magnanti

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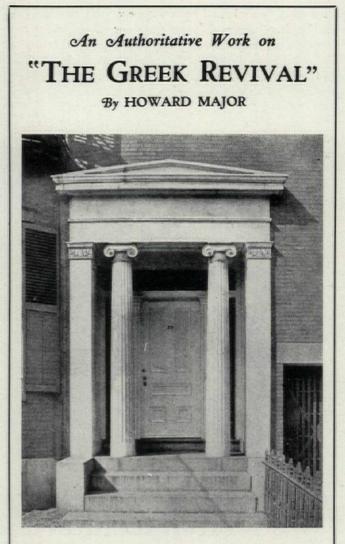
and Medical Re

### IODERN FRENCH SHOP FRONTS. By Rene Herbst, with a Foreword by James Burford. 54 plates, 10 x 12½ ins. John Tiranti & Company, Tottenham Court Road, London, W. I.

RCHITECTS who keep abreast of the century and A its peculiar architectural developments should buy nd send copies of "Modern Shop Fronts and Their nteriors" by Rene Herbst to all the more enterprising ivic fathers in America. It is a book which should nake them take notice of the possibilities latent in inelligent coöperation between manufacturers and skilled lesigners. One hears considerable talk in this country, nd particularly in New York, about "art nouveau," nodern architecture, modern furniture and the like. One ears of modern design in window displays, but one can, or the most part, judge of it only by the taste of the vindow decorators who conceal stockings as fruit in in "art nouveau" tree, or pile French handbags in pyranids and cylinders. Recently the outlook has become omewhat more hopeful, for the more forward-looking lepartment stores are beginning to develop their embrynic and bizarre ideas. In order to see where this develppment can lead, they have only to turn the pages of his book, "Modern French Shop Fronts," which shows now far ahead of them the designers and merchants of France and Belgium are at present.

Why would this book stimulate American architects, and shop owners? Because it shows that "opportunities of advertisement and display" (to quote the foreword) an be successfully combined with good design on modern lines, these lines involving elimination, simplicity, and significance. What better opportunity for successful collaboration could there be than in the designs of shop fronts? In what country are there more shops than in America? What country is more pitifully lacking in any accomplished "modern" collaboration, save in a few nuch talked of and over-emphasized buildings? The book under consideration shows by means of adequate illustrations what some of our European contemporaries have accomplished and shows not only the high standard of excellence of their achievements, but also the soundness of their æsthetic and business senses.

A book of illustrations needs little reviewing; it speaks for itself, and even the least bookish, once having turned the top cover, would continue turning the pages of this volume to the end, for the book is of convenient size, printed on light weight paper, and (what is more important) it holds the reader by its contents. The designs chosen are not all equally commendable,-who would want them to be?-and it is difficult to find out if they are truly representative; but they do at least supply a good basis from which to judge, and they are consistent in certain respects. The designs keep well within the limits set by the solution of the particular problem in hand. The foreword by James Burford says that this problem is a series of bald precepts, and that to retail it would mean transcribing the whole preface; but on the whole the French designers are successful in making the business of shopping a charming and almost irresistible affair. The success of this achievement is due as much (and perhaps more) to the designer as to the merchant and his display, for the designing of the facade as a whole is the chief matter, and once that satisfies, the rest follows logically. The qualities of the best modern work, -simplicity almost to starkness, economy of space, and



THE search for effective types of architecture for domestic use led logically to the re-discovery of the style known as the "Greek Revival." In the hands of a few particularly skillful architects it is being used with marked success, their use being based largely upon study of such examples as have survived the period, just prior to the Civil War, when use of the type was widespread throughout the United States. It is an entirely American style, founded not upon a following of current English architecture but upon a study by Americans of classic types adapted to domestic uses.

Mr. Major's excellent work is the result of a careful study of the style as it was interpreted in the North and East, and particularly in the South. The illustrations of exteriors and interiors are full of suggestions for anyone seeking a variety of architecture bold, simple and effective, which supplies a fitting background for life in America. The book is richly illustrated, and shows existing work, large as well as small, in both city and country.

236 Pages; 73 x 10% inches. Price \$15

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directness,-are bound up so closely with the interests of the shop owners that their use for shop facades and interiors seems particularly appropriate. Architecture in its latest form expresses the present materialistic phase of our life very completely, and we have not, as yet, made the most of this in the design of our commercial buildings, though the outlook at present is hopeful.

Let us hope that the design of shop fronts in America will continue to improve; and if the example of what has been accomplished by enterprising European contemporaries will be a spur to our architects and merchants, this book will certainly put that result within our reach, since it stimulates by establishing valuable standards.

THE PRACTICAL BOOK OF ITALIAN, SPANISH AND PORTUGUESE FURNITURE. By H. D. Eberlein and R. W. Ramsdell, 254 pp., 6½ x 8¾ ins. Price \$10. J. B. Lippincott & Company, Philadelphia.

HE authors have characterized this work as a "handbook" for convenient reference to the furniture of Italy, Spain and Portugal, from the Renaissance period to the early years of the nineteenth century. But the reader finds it much more than a mere handbook ;--it is in fact a vast storehouse of information which, in detail of fact and accuracy, is more like an encyclopædia than a handbook. In this it makes a three-fold appeal,-to the general reader, to the artist, and to the interior decorator. The amateur finds it entertaining reading, instructive as well as interesting, while the connoisseur and the professional find it a valuable source of information which they cannot afford to ignore. This is due in no small

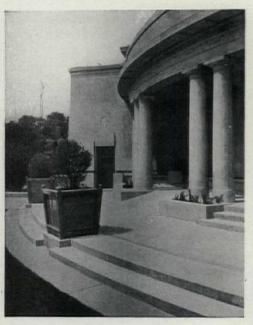
measure to the wealth of its illustrations. The volum contains no less than 150 plates and a great number of drawings which illustrate in fine detail the designs an influences which the authors have explained.

There are in particular two features which distinguis this work from the usual treatise of its kind. First, suc books ordinarily deal only with the Renaissance perio of Spanish and Italian furniture, namely, the late four teenth, fifteenth and sixteenth centuries. But this volun carries the story on through the seventeenth, eighteent and early nineteenth centuries. It shows how th decadent and too elaborate tendencies of the late Renais sance gathered impetus and strength to burst forth in th fully developed Baroque age and its sequel, the Rococc and on to the neo-Classic period of the eighteenth an early nineteenth centuries. Second, it deals with Spanis and Italian furniture arts in their relations to each other : well as in their differences; wherein these two great Latin countries drew from similar and where from d vergent sources for their inspiration, and how eac country developed it and gave it character and individ uality, which made it a national interpretation.

Portuguese furniture is treated in an individua chapter, although in general its development run parallel to that of the Spanish. Portuguese trade rela tions with India and the Far East brought about certai oriental tendencies in its art which Spain did not share but which have played their important role in the design of Portuguese furniture. Amateur and professiona alike will enjoy this work and find it highly instructive It is the latest of a highly valuable series of handbooks

## Architectural Design in Concrete By T. P. Bennett, F. R. I. B. A.

'HE great utility of concrete as a THE great utility of tends im-material for building lends importance to any work which deals with its use. Already centuries old, with its splendid durability and permanence amply demonstrated by structures of many kinds which have already been used for ages, concrete is one of the most valuable of all the substances used in building and engineering of every kind. Its very adaptability and workability give it a value possessed by few if any building materials, and its value is often enormously increased by the use with concrete of steel reinforcing which adds a strength which it never possessed before. "Reinforced concrete has earned its front rank position among materials for permanent construction because of its intrinsic merits. Its fireproofness protects life and property; its



'HE text of this work dwells in detail upon the working of concrete; details of construction; continuous vertical support; verticality; monolithic concrete; concrete vaulting; textures; "crazing"; and treatments; and other subjects of importance to the architect, engineer or builder concerned with concrete. It sums up and presents the experience of many successful workers in concrete construction. The volume deals with concrete and with its design as influenced or governed by its construction. Its authors have been fortunate in selecting admirable examples of the use of the material, and the work contains, among a large number of illustrations, views of residences, tall structures such as hotels, theaters, power houses, or office buildings; bridges, aqueducts, retaining walls and walls of other kinds. The views are of work in more than one country, for there

strength and safety are increased by its monolithic nature; and its permanence is proved by long use."

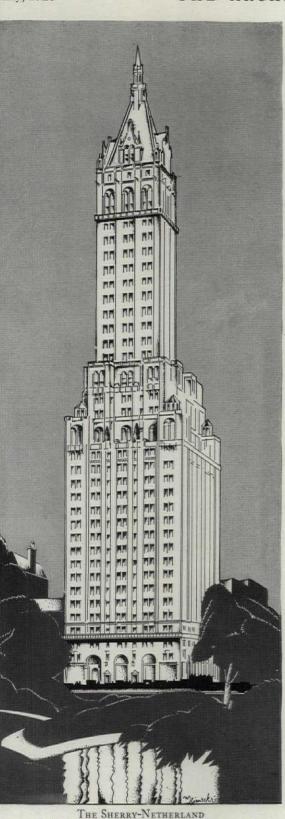
are illustrations of buildings in England, France, Belgium and

Germany, as well as many of structures in the United States Text and 100 Plates; 81/2 x 11 ins. Price \$10

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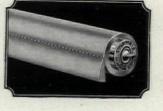
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Part One

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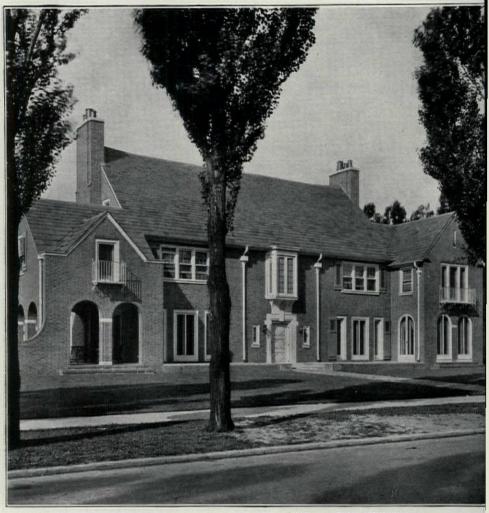
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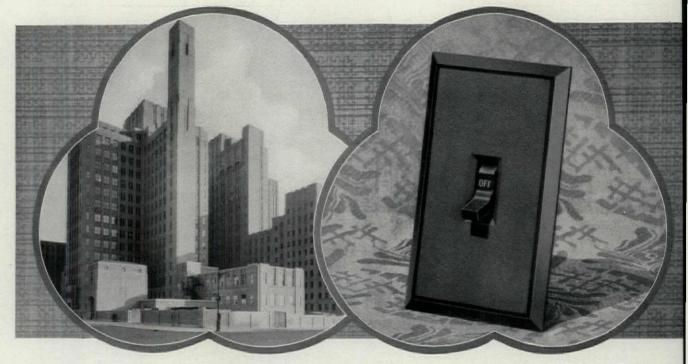
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PARKER MORSE HOOPER, A.I.A., Editor KENNETH K. STOWELL, A.I.A., Associate Editor Contributing Editors: Harvey Wiley Corbett; Aymar Embury II; Charles G. Loring; Rexford Newcomb; C. Stanley Taylor; Alexander B. Trowbridge Published Monthly by

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Medical Center, New York, John Gamble Rogers, Architect. Switches provided with Bakelite Molded Cover Plates.

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Part On

### PRESERVATION OF AN OLD TOWN

BELATED efforts are being made to save the few towns in America not ruined by improvement, and to rescue and preserve in towns already spoiled the few good old buildings which still exist. Williamsburg, in Virginia, is about to undergo restoration on a considerable scale, those in charge of the project having acquired possession of almost the entire town and being now about to remove all buildings not in keeping with Williamsburg's pleasant, old fashioned architectural character, restoring the town to as nearly as possible what it was during its palmy days when it was the capital of Virginia. "In Annapolis several old buildings have been acquired by St. John's College and are presently to be restored and saved for posterity, the Brice house, and, among several others, the Hammond-Harwood house, and the Peggy Stewart house, built by the owner of the vessel that caused the Peggy Stewart Tea Party, the Annapolis counterpart of the Boston Tea Party. The Hammond-Harwood house, which will be maintained as a colonial museum, is recognized by architects as one of the finer examples of Georgian building. It is one of the few houses having semioctagonal wings. There is no explanation for the shape of the wings, but according to tradition, they were added to take the place of an extra story, provided for in the original plan, as a concession to Edward Lloyd, who lived in the Chase mansion across the street and did not want his view of the harbor obstructed by the erection of other buildings.

"Unlike the celebrated Southern Colonial homes built from designs by Christopher Wren, Inigo Jones or Robert Chambers, the Hammond-Harwood house has the distinction of being a product of the nativeborn architect, Matthew Buckland. He followed patterns then in vogue, and doubtless consulted Swan's 'British Architect' for some of his models, but his own genius is apparent in his vigorous treatment of the designs he used. The lumber is supposed to have been cut on one of the farms of the first owner; the brick to have been made by workmen in Annapolis."

### A TEXTILE COMPETITION

THE ART ALLIANCE of America makes announcement of its 12th annual Textile Design Competition and Exhibition to be held June 6-16, 1928. Prizes are offered for designs of costume fabrics, Jacquard upholstery fabrics, and printed decorative fabrics of silk, linen or cotton, and special prizes are offered by a number of well known manufacturing firms. Information regarding the competition and exhibition may be had of the Secretary of the Art Alliance of America, Mrs. Harriet E. Brewer, 65 East 56th Street, New York, who is in active charge of the arrangements for holding the competition.

### AN INTERNATIONAL CONFERENCE

ANNOUNCEMENT is made of a conference dealing with the subjects of housing and town planning to be held in Paris July 2-8, 1928. Under the direction of Sir Ebenezer Howard, President of the International Federation for Housing and Town Planning, assisted by architects from the United States and almost every country in Europe, there will be discussed various phases of planning towns and regional developments and different aspects of the housing problem. Meetings of the Federation have been held for many years,-in Paris in 1913 and 1922; in London in 1914, 1920 and 1922; in Brussels in 1919; in Gothenburg in 1923; in Amsterdam in 1924; in Vienna in 1926; and in New York in 1925. Data regarding the conference may be had of the Organizing Secretary of the Federation, who may be addressed at 25 Bedford Row, London, W. C.

### ERRATA

IN the March, 1928 issue of THE ARCHITECTURAL FORUM several errors were made in crediting the designing of buildings and the preparation of articles. The designing of the Senior High School-Junior College building at Muskegon, Mich., illustrated on page 317, should have been credited to Turner & Thebaud, with William B. Ittner, Inc. as consultants, and the article entitled "The One-Story Schoolhouse," beginning on page 409, was prepared by Ernest Sibley, of Palisades, N. J., and should have been credited to him. Credit for the designing of the Orange High School, illustrated on pages 327, 328 and 411, should have been given to Ernest Sibley, Architect, Lawrence C. Licht and Glenn A. Hacker, Associated; the building was designed by them.

### ENROLLMENT IN ARCHITECTURAL SCHOOLS

EDUCATION in the field of architecture is undergoing unprecedented expansion throughout the country, according to a statement recently made by Professor William A. Boring of the School of Architecture of Columbia University. Public appreciation is increasing, and student enrollment has reached record figures. At Columbia last year, qualified applicants for admission to the School of Architecture were so numerous that the registration was permitted to exceed the number fixed as a proper limit of enrollment in this department in the interests of both faculty and students.

"The University must train architects who fearlessly accept the modern problem, solve it in the modern way, but always conform to those elemental truths which have ever expressed that beauty and good taste which distinguish all true art and which have come down to us as our priceless inheritance."

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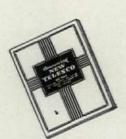
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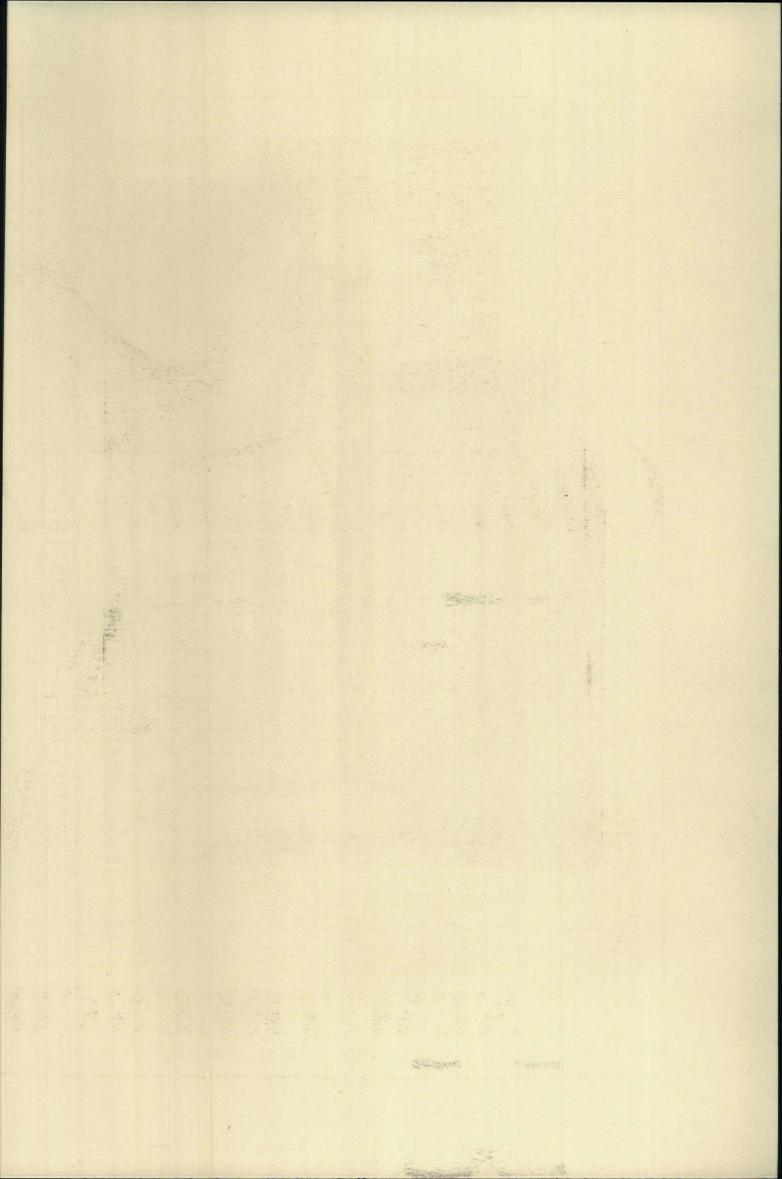
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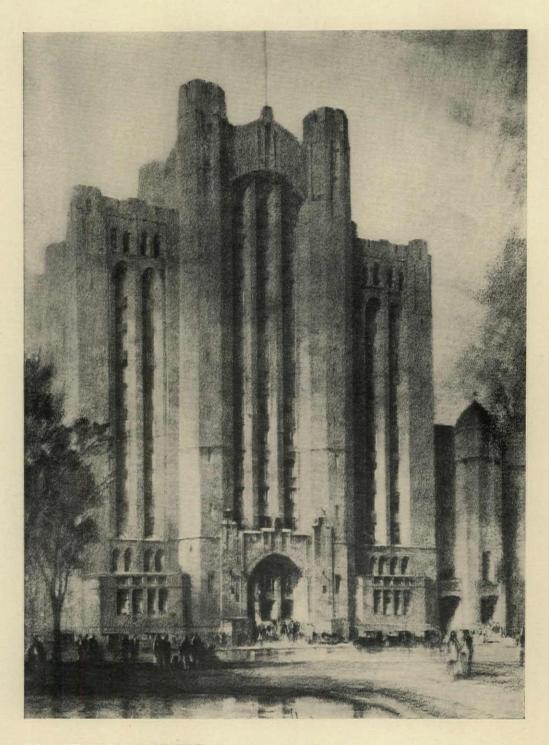


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DETROIT MASONIC TEMPLE GEORGE D. MASON & CO., ARCHITECTS From a Litho Pencil Rendering by Hugh Ferriss

The Architectural Forum

## ARCHITECTURAL FORUM

NUMBER FIVE

### MAY 1928

### 1

### NAZARETH HALL, ST. PAUL

### MAGINNIS & WALSH, ARCHITECTS

### BY

### MAURICE LAVANOUX

I N its main lines the building of a theological seminary is certainly not a novel problem. Its aim is to provide adequate facilities for the training of candidates for the priesthood. Usually it is located amid quiet surroundings, since such an institution is eminently a place for peaceful and scholarly pursuits, well calculated to train the students for their future mission. If we admit that a well designed fabric allied with judicious planning is as necessary as a suitable location, we shall realize that the buildings here illustrated excellently exemplify this two-fold requirement, beautiful buildings in a beautiful setting.

VOLUME XLVIII

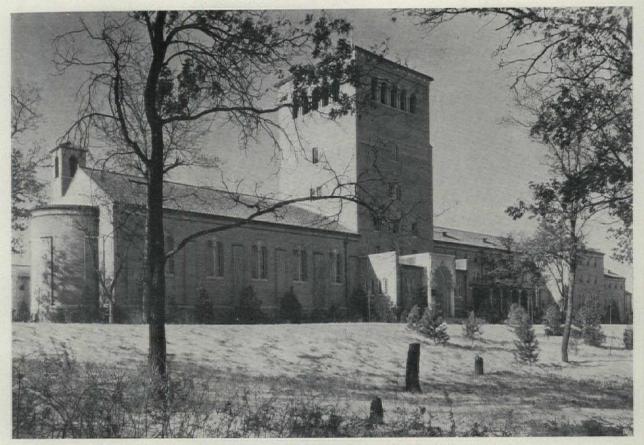
Nazareth Hall, the preparatory seminary for the Archdiocese of St. Paul, is an institution where boys, ranging approximately from 14 to 18 years of age, receive their preliminary training before entering the major diocesan seminary. This period of training consists of a six years' course,-four of high school and two of college work. It must not be supposed that a seminary, and particularly a preparatory seminary, is a place where a boy finds a vocation. It is rather a training ground for those who feel called by God to the priesthood, and who may continue their studies in the major seminary with a consciousness of definite vocation. Nazareth Hall is situated on the shores of Lake Johanna, about seven miles from the center of St. Paul. Its possessing this ideal location is largely due to the foresight of Bishop Cretin, the first incumbent of the see of St. Paul. Bishop Cretin, along with the other pioneer members of the American hierarchy, realized the need of seminaries for the training of a native clergy, attuned to the customs and institutions of the new republic. He secured 40 of the present 90 acres. On the deed to the property Bishop Cretin wrote these words: "This property will, at some time, be used for a diocesan institution." The present seminary is the realization of the bishop's hopes.

The style of this group of buildings might be termed Northern Italian Romanesque. The strong lines of the square tower express the pivotal element of the design, connecting the chapel with the classrooms and living quarters of the faculty and the seminarians. Customarily buildings of this nature

follow a traditional expression of plan,-the long central unit with an axial entrance and two flanking pavilions with the chapel behind. The architectural weakness of this plan consists in its relegating the most interesting element of the group to the rear. This location of an important unit as an integral part of the mass detracts from its deserved importance and individuality. It was because of this fact that the picturesqueness of the Lake Johanna site determined the location of the chapel in a more symbolic and central position, so that it would dominate the entire composition. The wisdom of this solution would not be vindicated did it not at the same time permit a logical internal relation of the chapel to the rest of the group, so that it lends itself to easy circulation. Nazareth Chapel, however, is no less correctly situated with reference to the interior life of the college than it is to the external architectural interest of the entire group of buildings. An interesting principle of the plan is the relation of the convent unit to the chapel through a direct approach, and the complete seclusion of the sisters, who have their own chapel, garden and quadrangle. A study of the plan as a whole will explain the relation of the other major elements.

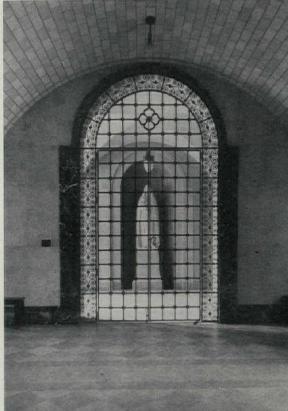
In buildings of such a religious nature, it is well that careful study be given to the design of the altar and the chapel. The altar is truly the soul of the entire conception of it; the thoughts of the seminarians are unceasingly directed to the consciousness of their high prerogative and privilege. The simplicity of the altar in Nazareth Chapel is its chief merit. It is liturgically ideal, and should its design influence the minds of future builders of parishes, it will prove to have been a bulwark raised against further production of those dubious "works of art" that disfigure so many of our churches. The main entrance *motif* strikes an interesting note. The sculptural treatment above the door is based on the thought of Nazareth. The guardians of the doorway are the Blessed Virgin and St. Joseph. In the tympanum is a figure of the Boy Christ with arms outstretched. Above the caps are the symbols of the evangelists. A distinguished note of decorative interest is found in a tympanum





THE CHAPEL AND NORTH SIDE OF DORMITORY





THE LIBRARY FIREPLACE

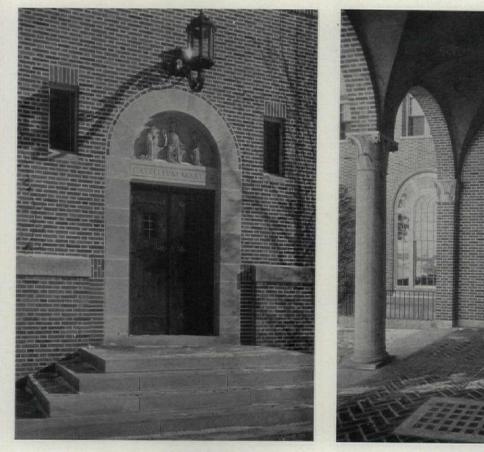
GRILLE IN ENTRANCE LOBBY

NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS

### May, 1928



DORMITORY WING AND CENTRAL TOWER



ENTRANCE TO THE CHAPEL

EL ONE END OF THE LOGGIA NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS

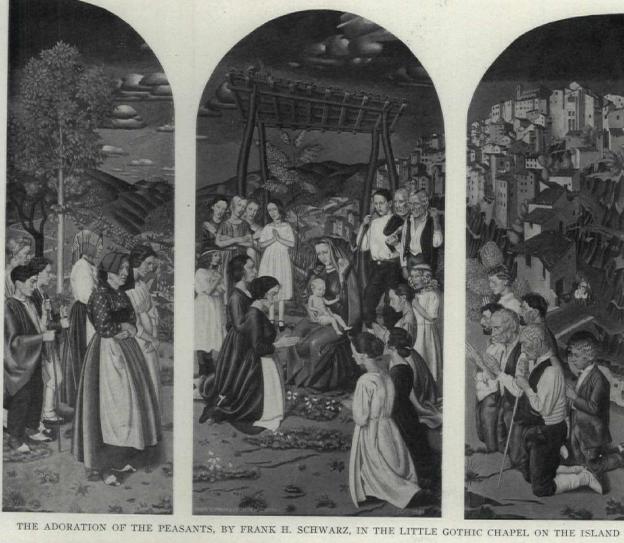


WEST DORMITORY WING FROM THE MAIN COURT



READER'S DESK IN THE REFECTORY ENTRANCE LC NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS

### May, 1928





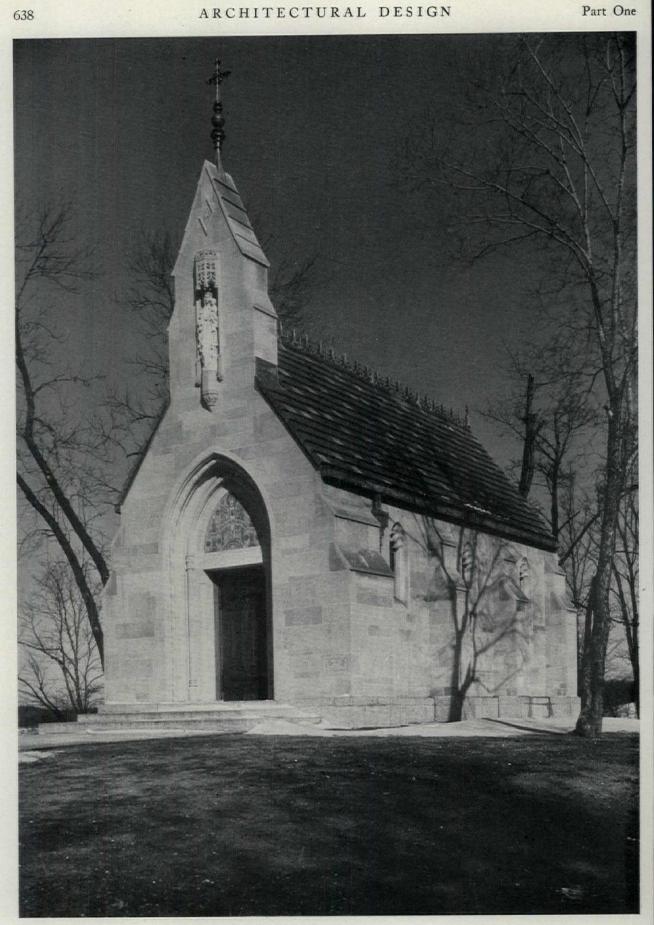
THE BOY CHRIST, BY SIDNEY WOOLETT



MOSAIC PANEL, BY CHARLES J. CONNICK, ABOVE ENTRANCE TO THE LITTLE CHAPEL



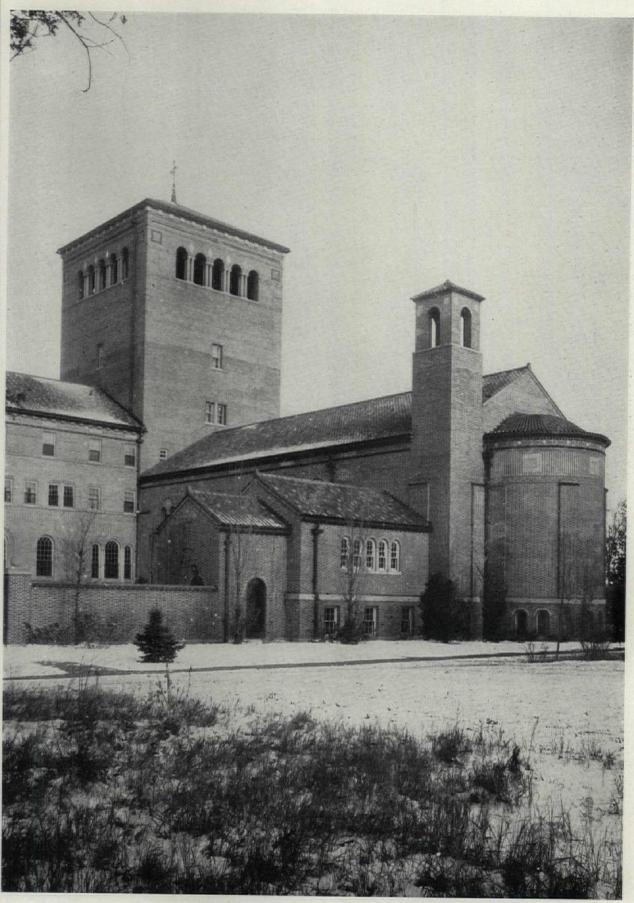
THE VIRGIN AND CHILD, BY A. H. ATKINS



Part One

THE LITTLE GOTHIC CHAPEL ON THE ISLAND NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS

May, 1928



THE GREAT TOWER AND CHAPEL FROM THE EAST NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS

Two of the Windows by Charles J. Connick in the Seminary

Chapel, Nazareth Hall

over the inner main

640

tower doorway, where Mr. Rubins of Minneapolis has painted a mural in a rarely rich and sonorous color scheme.

Both A. H. Atkins and Sidney Woolett of Boston have enriched the interior with figures of exceptional merit. The yet it closely adheres to tradition in the folds of the draperies and the Oriental exactness of the head dress. The figure of the Boy Christ by. Mr. Woolett, is a charming example of intelligent realism. The ironwork was done by that most genial and talented craftsman, Frank L. Koralewsky, whose work is well known to all connoisseurs. Surely it is futile to mourn the passing of mediæval workers when the force of their traditions is in evidence today, as shown by Mr. Koralewsky's work. We have but to seek and encourage good, honest craftsmen and they will not be found wanting,and conversely we must discourage cheap, showy imitations by commercial firms whose one thought is the quantity and not the quality of their work.

A memorial shrine,of limestone, both exterior and interior,---is set

like a jewel upon an island woodland at the tip of the property and accessible by means of a rustic bridge. His Grace, Archbishop Dowling, of St. Paul, was pleased to call this shrine "a bijou Gothic chapel." In this little building there is a triptych which contains a painting by Frank Schwarz, of New York, a young and rising painter of distinction. The subject is "the Adoration of the Peasants" and the types used by Mr. Schwarz were found by him among the inhabitants of an Italian mountain village whither he had retired to study the customs and habits of the simple and faithful country folk. The windows and

faculty instructs in the history of architecture. A knowledge of the various great epochs in the history of art will be an asset to those who will, some day, undertake the building of churches and parish groups. Would it be too sanguine to hope that the study of architecture in these seminaries may direct the attention of the students to a rational understanding of styles and to a realization that no style can claim to be exclusively "religious?"-and that the necessities of the times and the materials at hand should dictate whatever style a building should have? Nazareth Hall may well be taken as such an example.

Perhaps the reader of this review will be interested in knowing that a member of the seminary

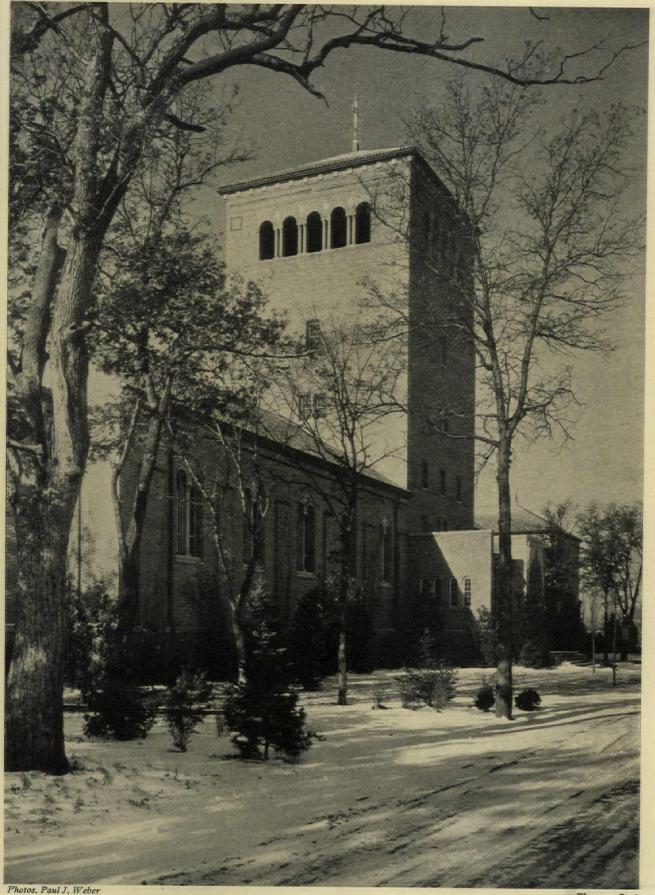
were executed by Charles I. Connick, of Boston. Mr. Connick also designed and executed the windows in the seminary chapel. These windows are of the medallion type, so fully developed by the old masters of the twelfth and thirteenth centuries. The same spirit and ideals which actuated those craftsmen obtain throughout this series. Design is the predominant consideration and second only to the jewel-like radiance of pure color. The figures are not archæological. but, as in the ancient medallions, the entire figure rather than the features alone is made to express the idea. These windows are in groups of two each and have alternating background designs,-a foliated scroll motif contrasting with a more formal rectangular scheme. In the latter case large standing figures are represented in the upper portions of the windows. The subjects were chosen for their appropriateness to a preparatory seminary. Incidents from the lives of youthful Biblical characters predominate, and the stories are told in a direct and forceful manner.

Virgin and Child by Mr. Atkins would satisfy a rational exponent of modern sculpture, and

the mosaic panel above

the entrance of the shrine

PLATE 105



Plans on Back

THE GREAT TOWER AND THE CHAPEL NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS

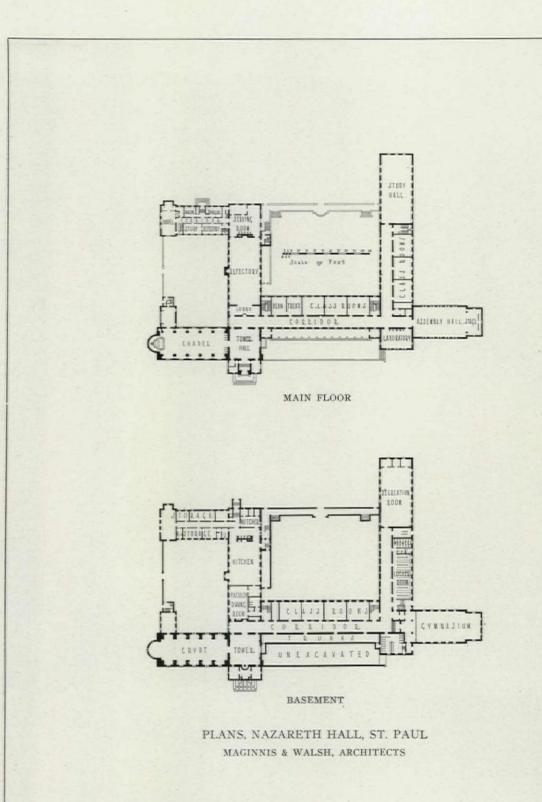
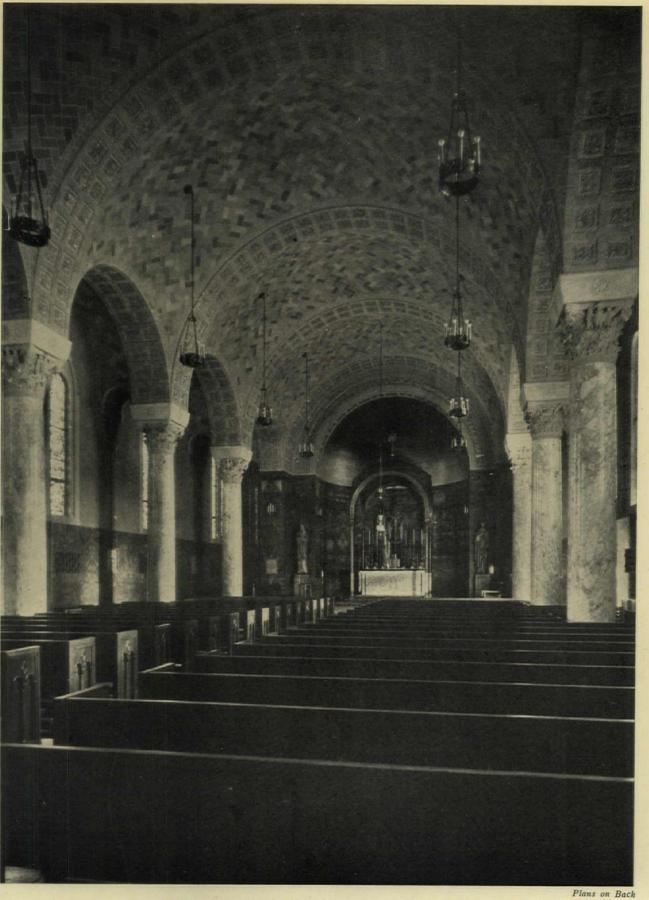
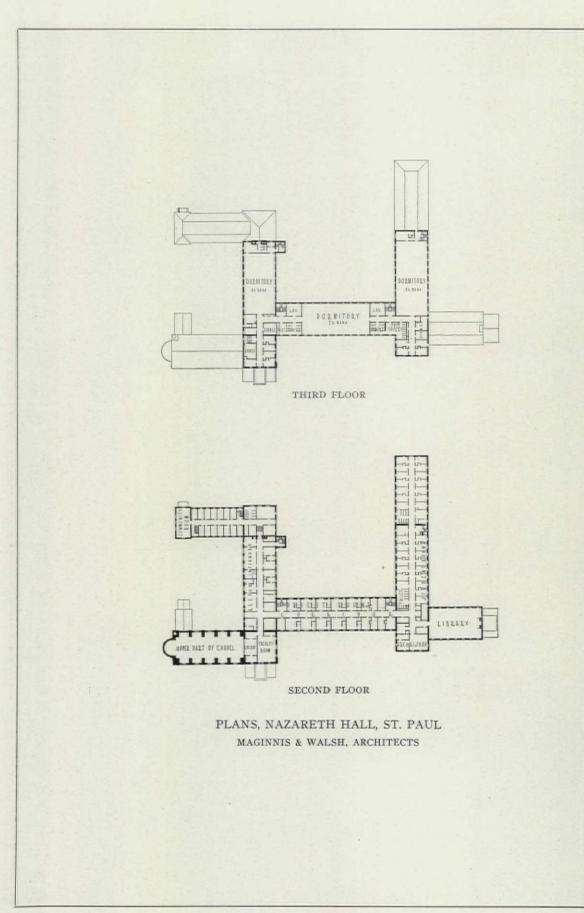


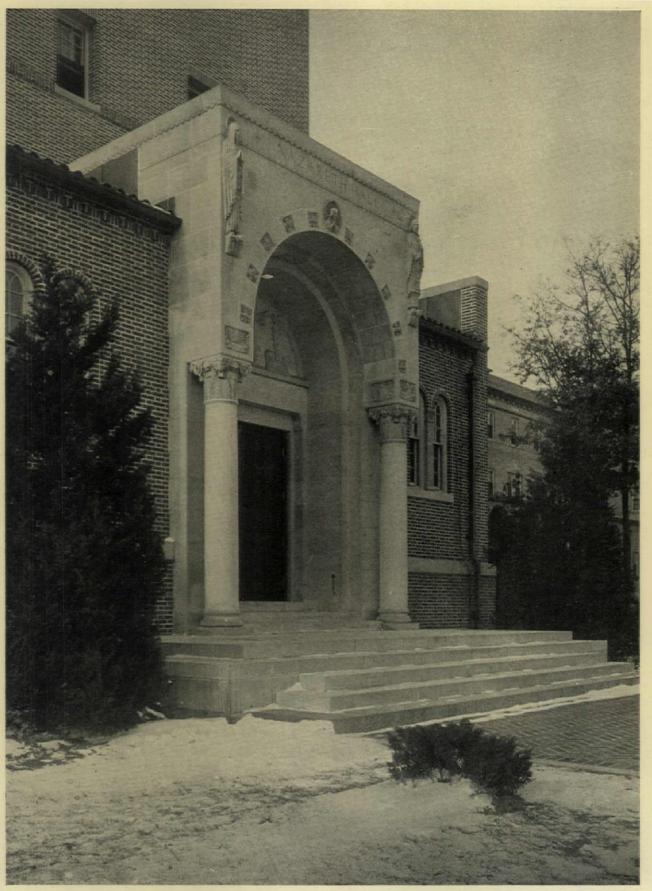
PLATE 106



THE SANCTUARY, FROM THE ENTRANCE OF THE CHAPEL NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS

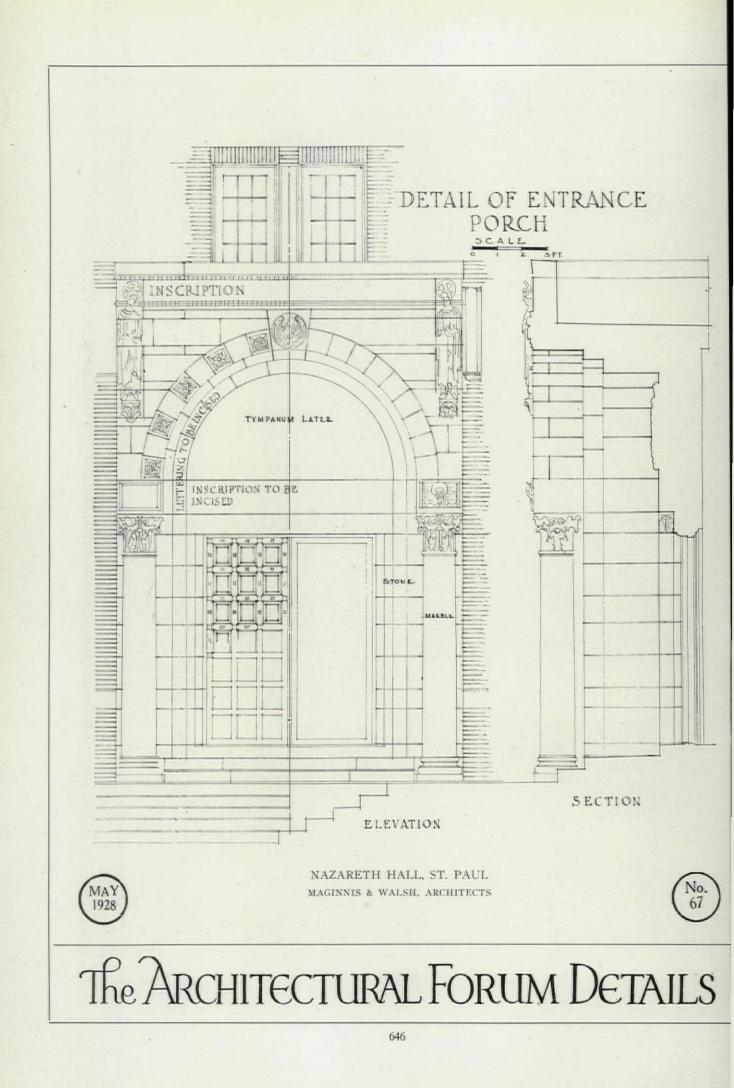


MAY, 1928



Detail on Back

THE MAIN ENTRANCE NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS



MAY, 1928

PLATE 108



ENTRANCE AT THE WEST END OF THE CHAPEL NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS

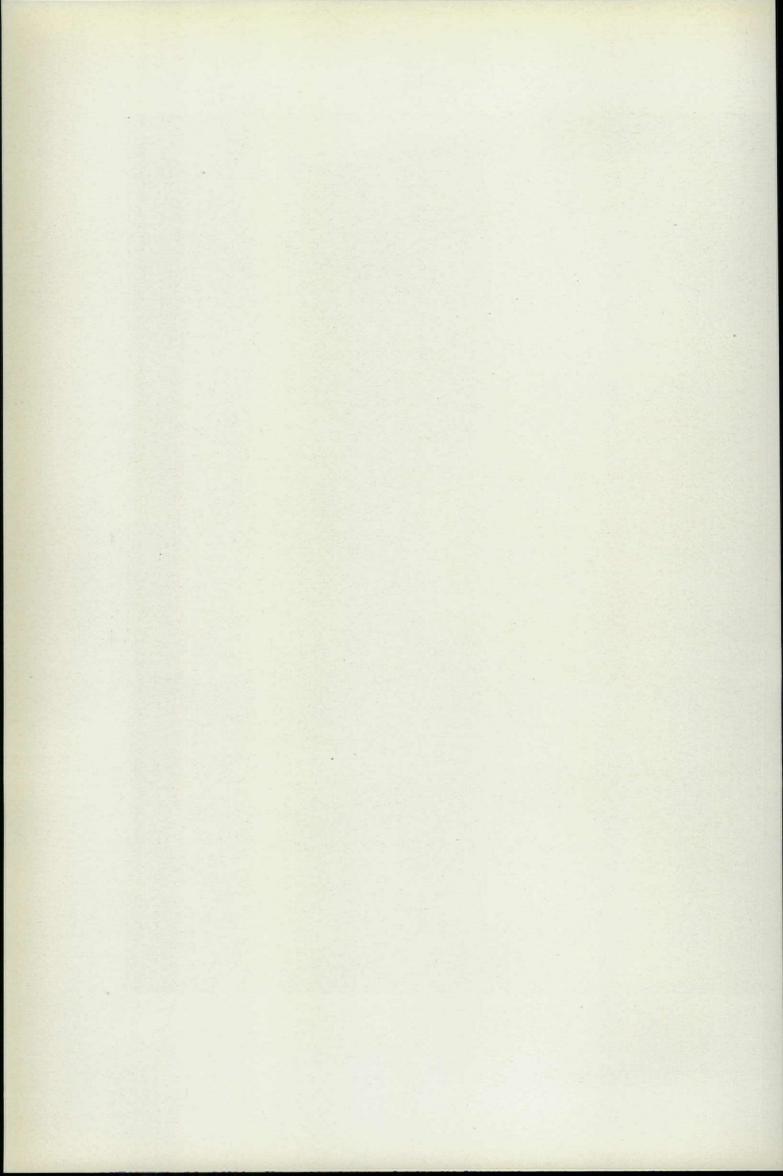
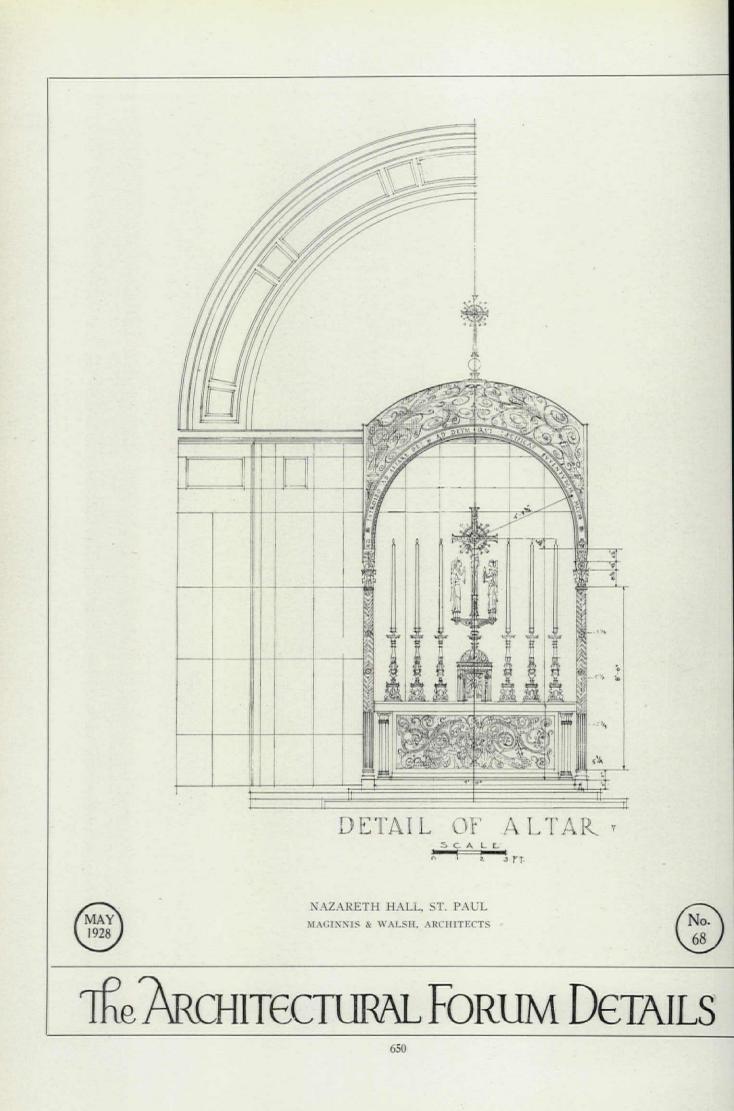


PLATE 109



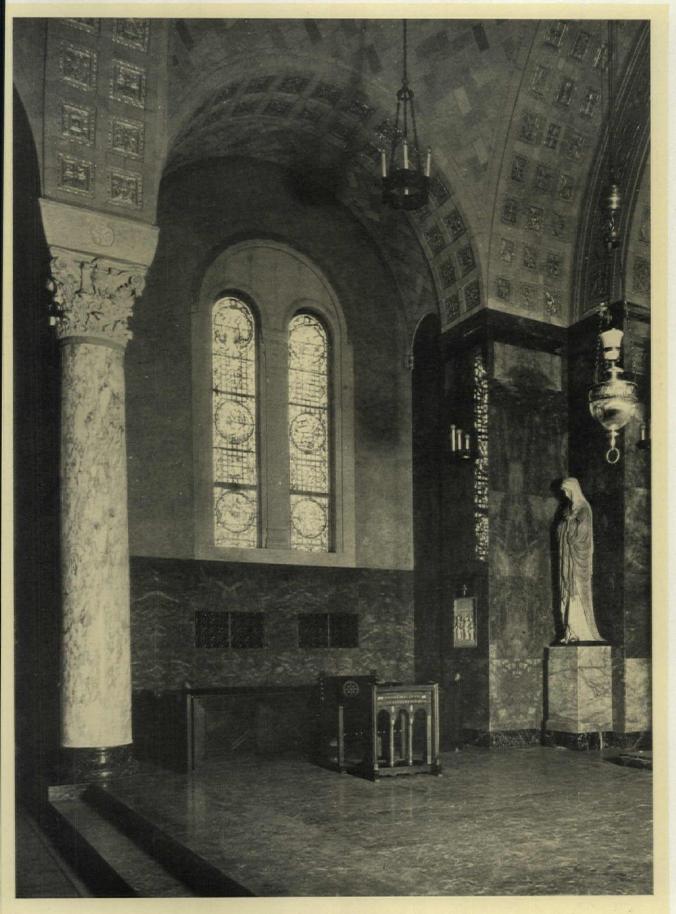
Detail on Back

ALTAR AND BALDACHINO IN SANCTUARY OF THE CHAPEL NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS



MAY, 1928

PLATE 110



ONE OF THE CHAPEL BAYS NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS

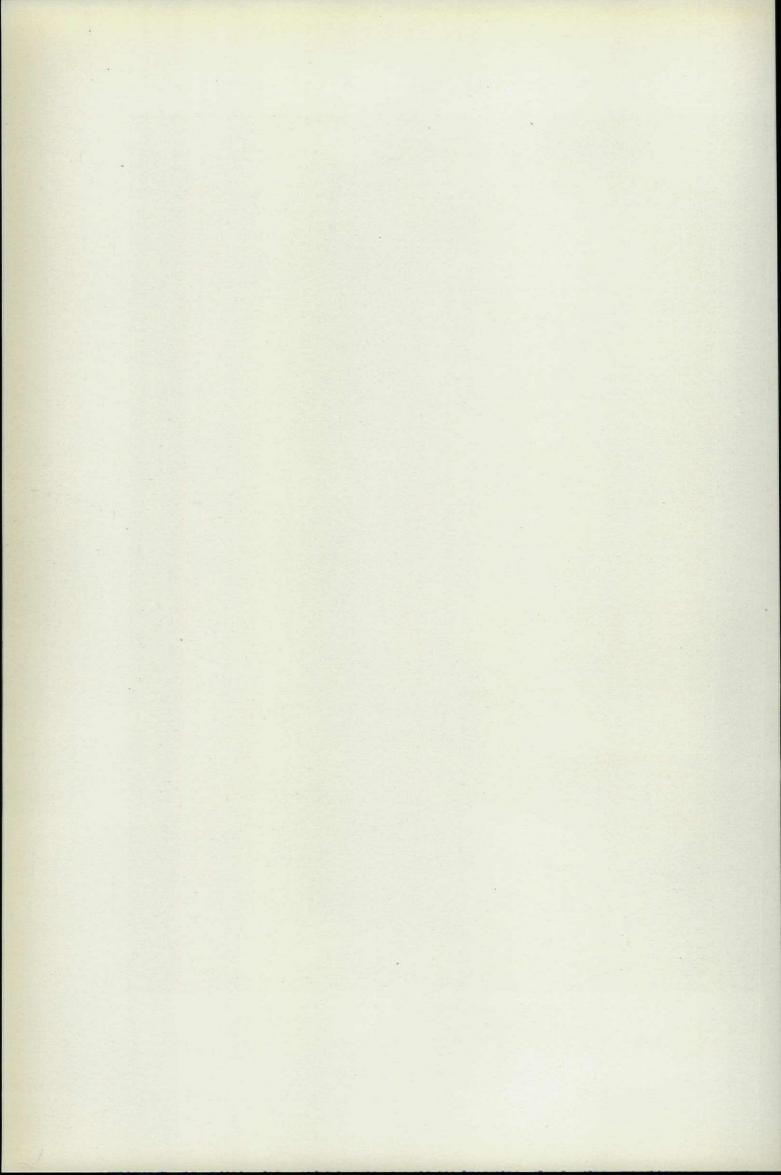


PLATE 111



ENTRANCE TO THE WEST COURT NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS

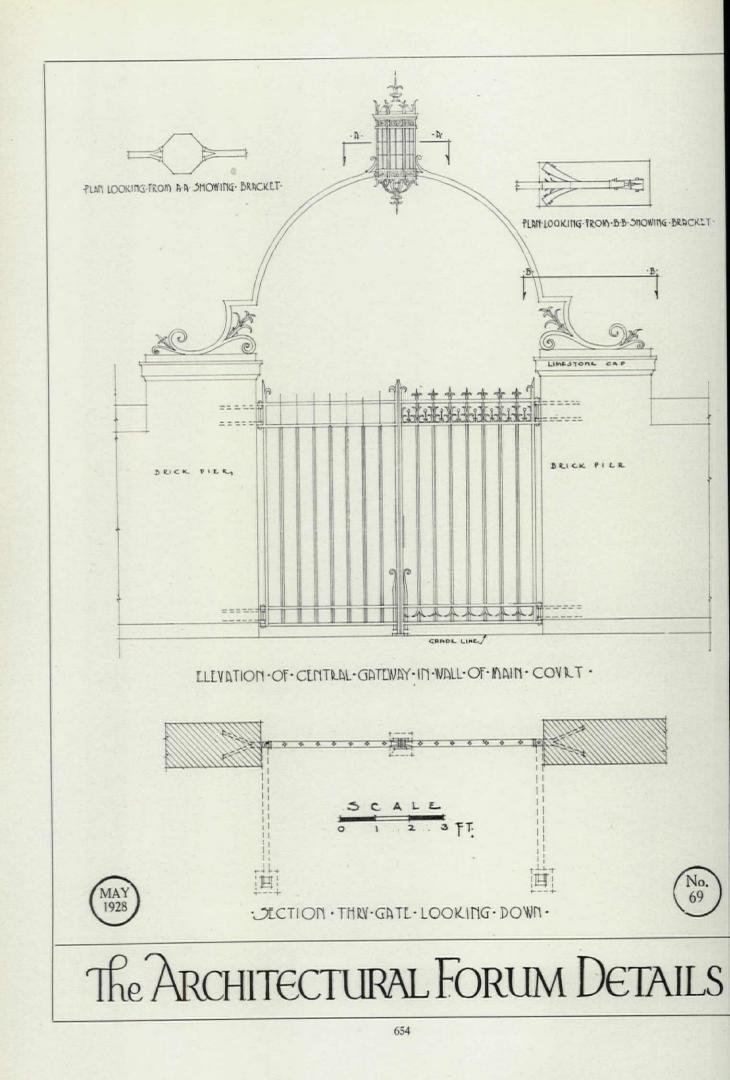
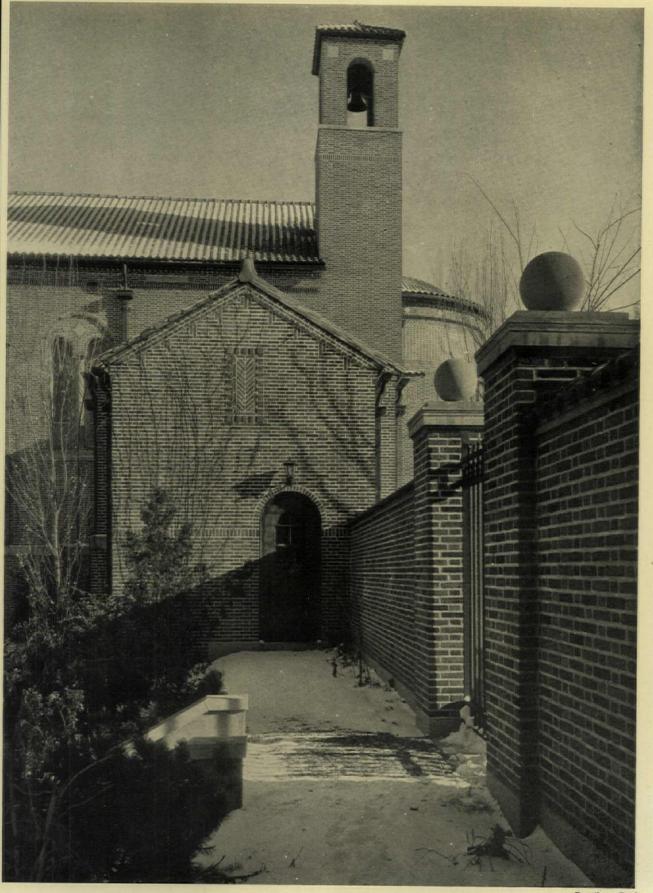
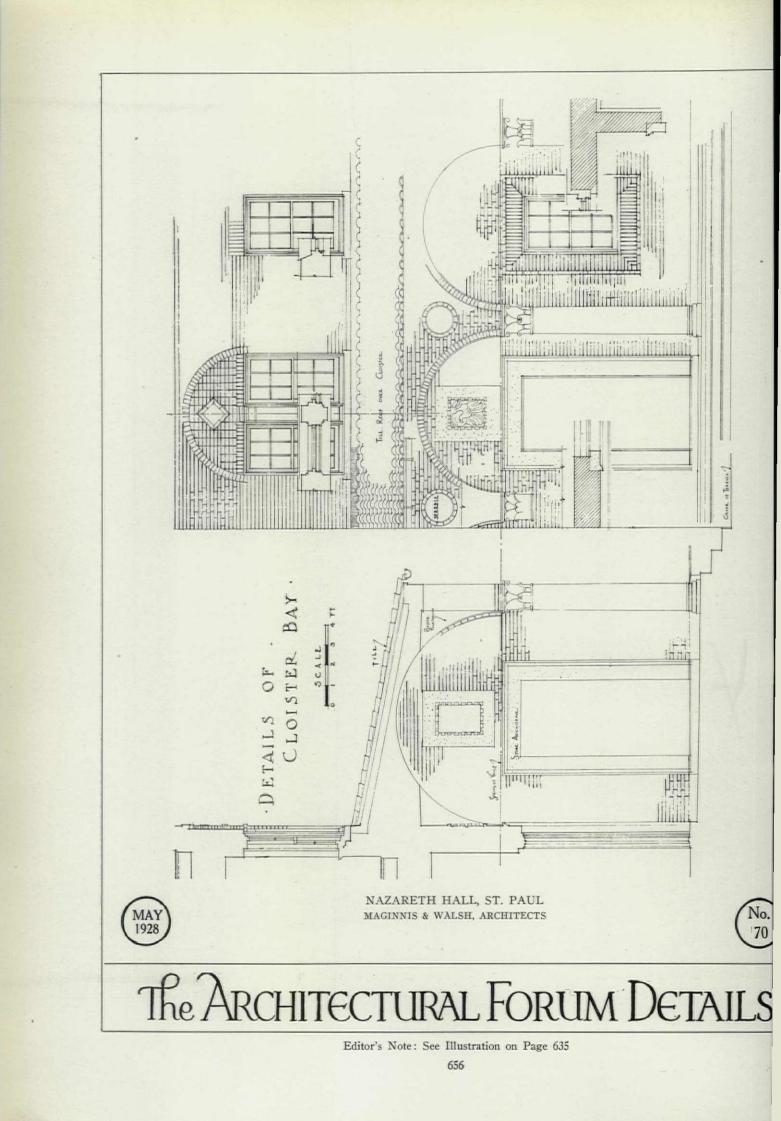


PLATE 112



Detail on Back

ENTRANCE TO THE SACRISTY FROM THE EAST COURT NAZARETH HALL, ST. PAUL MAGINNIS & WALSH, ARCHITECTS



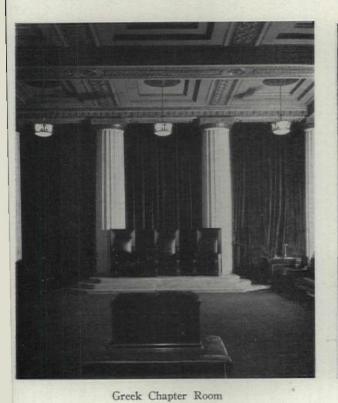
### THE DETROIT MASONIC TEMPLE

### GEORGE D. MASON & COMPANY, ARCHITECTS

HE fact that the Detroit Masonic Temple has attracted the attention of architects and laymen throughout the country is primarily due to its having solved a most complicated problem; a result has been achieved which has architectural merit of a high order. To the fraternity it is a matter of interest that for the first time all Masonic bodies are housed in one building, requiring a structure containing 12,000,000 cubic feet, making it the largest and most complete structure of its kind in the world. Some idea of the complex nature of the problem may be gathered from the fact that there are 28 units in the building, providing for 50 Masonic bodies which must operate independently, and that in the aggregate a capacity crowd in each of these units amounts to 16,000 people. The large auditorium seats 5,000, the Consistory Cathedral 1,700, the Commandery Asylum 500, the Third Degree Auditorium 750: 6,000 people can sit down at one time in the various banquet and dining rooms and be served in 45 minutes, and the service varies from grill room a la carte to that of formal banquets. The divisional feature, which was imperative, was made to apply not only to the strictly Masonic portions but to rooms for club and social activities as well. Furthermore, it was necessary to correlate these various divisions that free and easy access may be had from one to another, should their joint use be found necessary on occasions when the attendance is unusually large.

The large general divisions comprise, at the left,

the tall portion, the Ritual Building, 14 stories in height, housing 26 Blue Lodge bodies: the Consistory; two Commanderies and five Chapters. In the center is the large auditorium, over which are the drill hall and armory; and on the right the Shrine Club, a building containing generous lounges, billiard rooms, natatorium, gymnasium, 100 guest rooms and a dormitory. It will be noted that there are two entrances to the Ritual Building, one for the Scottish Rite and the large entrance for the York Rite and Blue Lodge bodies. The majority of the Blue Lodge rooms have not been planned for large seating capacity, as it is found that for the first two degrees the attendance is seldom more than 100, but for the third degree the attendance would tax even those lodge rooms with a large seating capacity. A unique room, therefore, was prepared for this work on the top floor, having a seating capacity of 750. It is as if the south wall of a lodge room were removed and the spectators were outside looking in. The north wall of this lodge room opens on a stage where the dramatization of the third degree takes place. The interior of this room has not as yet been completed, although there will be need for it, as the memberships of the large lodges increase. It should make a very fine setting for the work. As the Consistory required a separate entrance to the building, so also it was required that its quarters be isolated from the rest of the structure during reunions; but it will be noted that at those times the banquet and ball

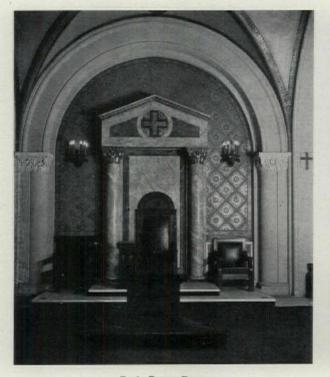




Corinthian Lodge Room

### ARCHITECTURAL DESIGN

Part One



Red Cross Room

room immediately below with parlors, etc., are accessible from their rooms by way of two stairways leading directly from the lounge and parlor of their quarters. Again, the Consistory lounge and parlor with their check rooms, etc. are available, with direct access to the large auditorium when this auditorium is being used for reunions and special gatherings. The Commandery Asylum has been planned with a church setting in mind, and due to its excellent proportions and stone treatment it forms an admirable background for the work of the Knights Templars. The Red Cross room and the Commandery parlor adjoin the Asylum and, easily accessible by means of ramps, are the armories and drill hall which are housed in the spans over the large auditorium. In connection with the armories are the dressing rooms and showers, which again give access to the natatorium. This pool, with all its accessory features, serves also the gymnasium in the Shrine Club and is approached from the building on the same level.

An interesting feature of the large auditorium is due to the fact that the sight lines were determined by the proposed 70-foot apron extension to the stage, which when in use covers the permanent seating, as in a pit. This extension was to have been used during Shrine ceremonials. While this apron has not as yet been used, this sight line layout has given a quality of intimacy to the room which in itself is widely commented upon, and is indeed exceptional in a theater of this size. Two-thirds of the audience is visible to each spectator without turning around. This auditorium was planned primarily for the ceremonials of the Moslem Shrine, and the various rooms adjoining had reference to its needs, and these needs encroached considerably upon the lobby space which



Gothic Lodge Room

for an auditorium of this size may appear inadequate. Yet the crowds are well handled, and the entire auditorium can be emptied in seven minutes. The stage is 55 x 110 feet in size, with a 65-foot proscenium. The Chicago Civic Opera Company gave Detroit a week of grand opera in this auditorium in February. Due in some measure to the form of the room, the low ceiling and the balcony arrangement, together with the use of acoustic material in some parts of the ceiling, the acoustics are perfect. It will be noticed that the rooms for social activities and the majority of the club features are, for obvious reasons, below the first floor level. The two large divisions are the two banquet and ball rooms, with their separate kitchens and serving rooms. The supper rooms in the basement are used for lodge banquets and may be thrown together to give any desired seating up to 1,200, and are served from the main kitchen. These rooms are accessible from the Shrine Club, which has no separate dining room or kitchen service. These basement rooms are in constant demand by the public as well as by different Masonic bodies, and the facilities for catering are such that it is now being planned to convert the trophy room into a cafeteria grill accessible from the elevator lobby. This feature, together with the grill room in the basement, will offer the casual diner a choice of service such as may be obtained only in a first class hotel. It may be mentioned that the two ball rooms are frequently used together, one being set up for banquets and the other for dancing, there being access from one to the other by two corridors.

The name "Temple" as applied to a Masonic building seems to stick, and has its origin possibly in the original tradition regarding King Solomon's Temple. May, 1928

## THE ARCHITECTURAL FORUM



Crystal Ball Room

However, in this case tradition was broken with, and the Detroit "Temple" would more appropriately be called the "Masonic Cathedral." The precedents for fraternal buildings are all in Greek or Egyptian. Nothing of the sort had been done in Gothic, yet the architects felt that this style best expressed the traditions of Masonry,-Solomon's Temple and the beautiful Scottish Rite Cathedral in Washington to the contrary notwithstanding. Certainly the spirit and tradition of the Knights Templars and the historical settings of the Scottish Rite are Gothic, and operative Masonry, having its origin in the guilds of Europe, has the tradition of the great cathedrals of which they were the builders. It was fortunate that this feeling was shared by the building committee, for to have attempted to clothe the complicated plan evolved after some three years of study with a classic facade, would have led to compromise and a result to be plainly labeled a fake. The flexibility of the Gothic is here very apparent, and certainly the result has justified the selection of this style.

The building, on a site 190 x 400 feet, crowds the lot lines, but fortunately it faces a beautiful park from which a general view is obtained. It dominates its surroundings, due more to its massiveness and general vertical feeling than to its size or height, which at the highest parapet is 210 feet. This massive effect has been obtained by the bold treatment of the stair towers, the deep reveals, and a silhouette of great interest and variety. The Gothic character has been carried out in the interior generally, although in the various lodge rooms the usual variation of styles has been observed. The small lodge room in decorated plaster is Romanesque. There is an Egyptian room, a Greek Doric, two in Greek



Commandery Asylum

Ionic, a Corinthian, Italian Renaissance, Byzantine and Gothic. There being but ten lodge rooms, the orders were soon exhausted, although apparently for some reason the Composite was never considered.

The large auditorium has considerable detail adapted from the Venetian Gothic, and in the handling of the color decoration its character has been consistently carried out. While the general tone is gold, this has been enlivened with red and blue to produce a quiet richness of color seldom attempted in this type of work. Twenty-six rooms in all have been carefully studied, having in mind color decoration, which while never attempting the unusual has produced in every case results which are pleasing in their general richness and in harmony with the general character. The crystal ball room ceiling and the treatment of the concrete beams in the main entrance lobby are among the details which are interesting.

In the early stages of the development of the working drawings a carefully studied model at 3/16-inch scale was prepared. This was very helpful in the study of details, as slight modifications of moulded work and ornament were found advisable as the model was prepared. There are many sculptured figures on the exterior; eight at the top of the building measure 14 feet in height and represent guards and knights in armor. Those below over the main entrance, about 7 feet in height, were modeled by Friedlander and represent the three characters involved in the dramatization of the third degree. All of these figures were modeled at one-half full size. The symbolism of the order was introduced in the carving in the lower portions of the building and carries 40 or more different motifs. It is interesting to note that the lighting fixture contract called for

the greatest number of special fixtures of any building in the country. There is a great variety of styles, all well studied and in perfect scale. The two 8-foot diameter fixtures in the main auditorium are unusual in design and are relied upon to break up a flat ceiling. They have a jeweled effect, and with red, blue and amber on dimmers, a great variety of interesting lighting effects is possible. These fixtures were the work of the late Mr. Kinsman's organization, and its coöperation with the architects in every phase of work left nothing to be desired.

The selection of materials was governed to a large extent by considerations of economy and durability. Marble has been used extensively for floors, bases and stair treads, but limited to travertine, American verde antique and a Vermont gray. The woodwork generally throughout is of white oak, and the sandfinish plaster is glazed. An imitation stone having remarkable properties of hardness was relied upon for textural effect in a great number of the rooms, and that the result is satisfactory is due entirely to the expert and painstaking work of the plasterer.

The final preliminary drawings for the building were approved in June, 1920. The first sod was turned on Thanksgiving Day, 1920, the cornerstone laid exactly two years later with 30,000 people witnessing the ceremony, and the building was finally dedicated on Thanksgiving Day, 1926. The long period of building was due to the policy of the committee of taking advantage of fluctuations in building costs and, insofar as possible, letting contracts only when the financial resources were sufficient for the period. This delay saved the association something more than \$1,000,000 over the original estimates.



Main Auditorium, Detroit Masonic Temple George D. Mason & Co., Architects

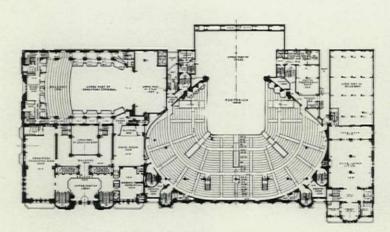
PLATE 113



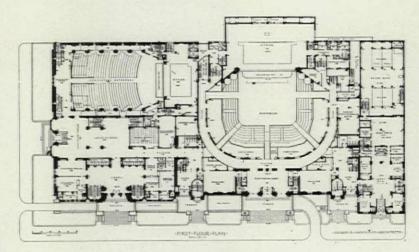
Photos. Thomas Ellison

Plans on Back

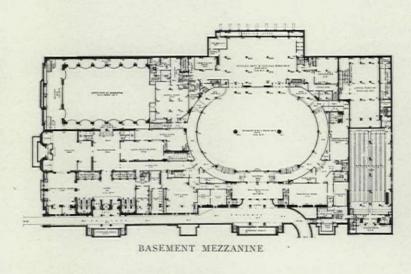
DETROIT MASONIC TEMPLE FROM CASS PARK GEORGE D. MASON & CO., ARCHITECTS



FIRST FLOOR MEZZANINE



FIRST FLOOR



PLANS, DETROIT MASONIC TEMPLE GEORGE D. MASON & CO., ARCHITECTS

PLATE 114



Plans on Back

PART OF AVENUE FRONT, DETROIT MASONIC TEMPLE GEORGE D. MASON & CO., ARCHITECTS

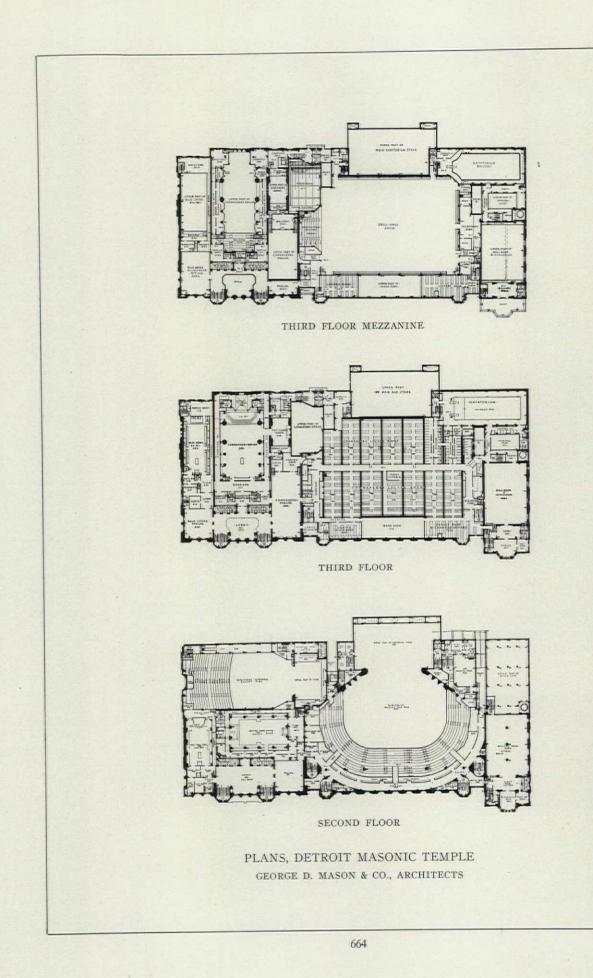


PLATE 115



Plans on Back

ONE ENTRANCE TO AUDITORIUM, DETROIT MASONIC TEMPLE GEORGE D. MASON & CO., ARCHITECTS

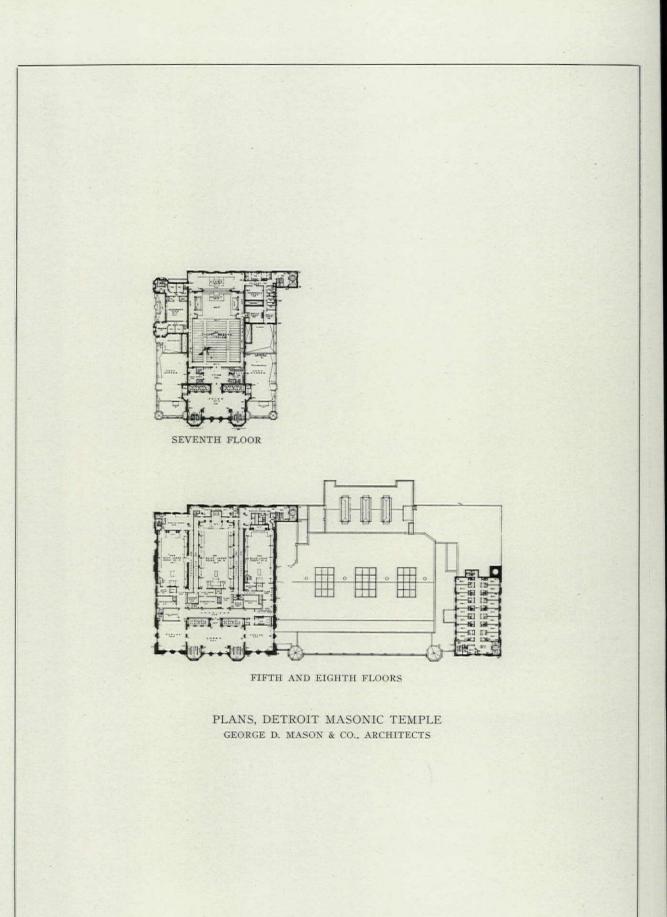
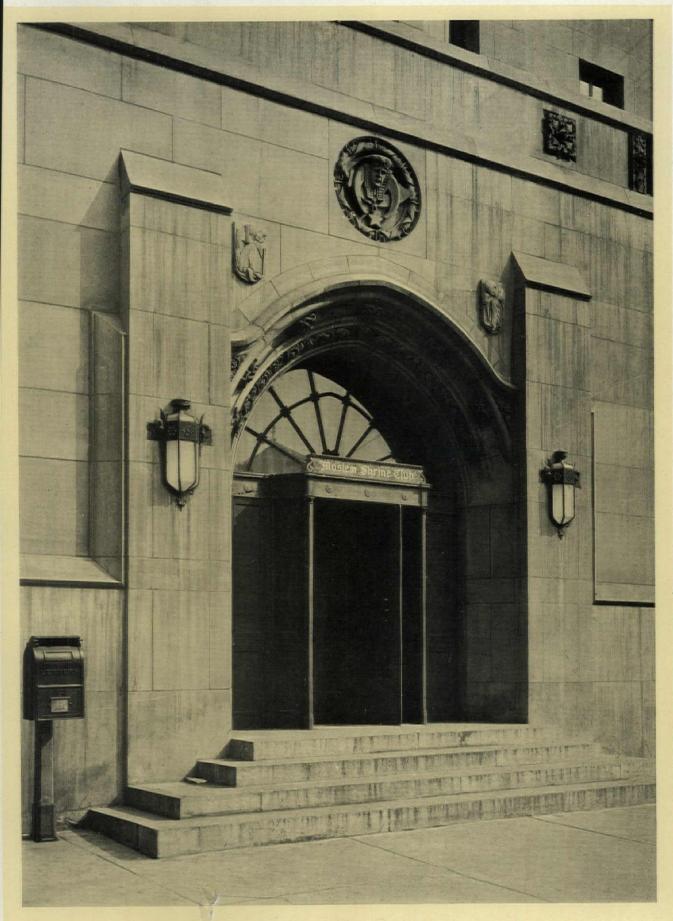


PLATE 116



ENTRANCE, MOSLEM SHRINE CLUB, DETROIT MASONIC TEMPLE GEORGE D. MASON & CO., ARCHITECTS

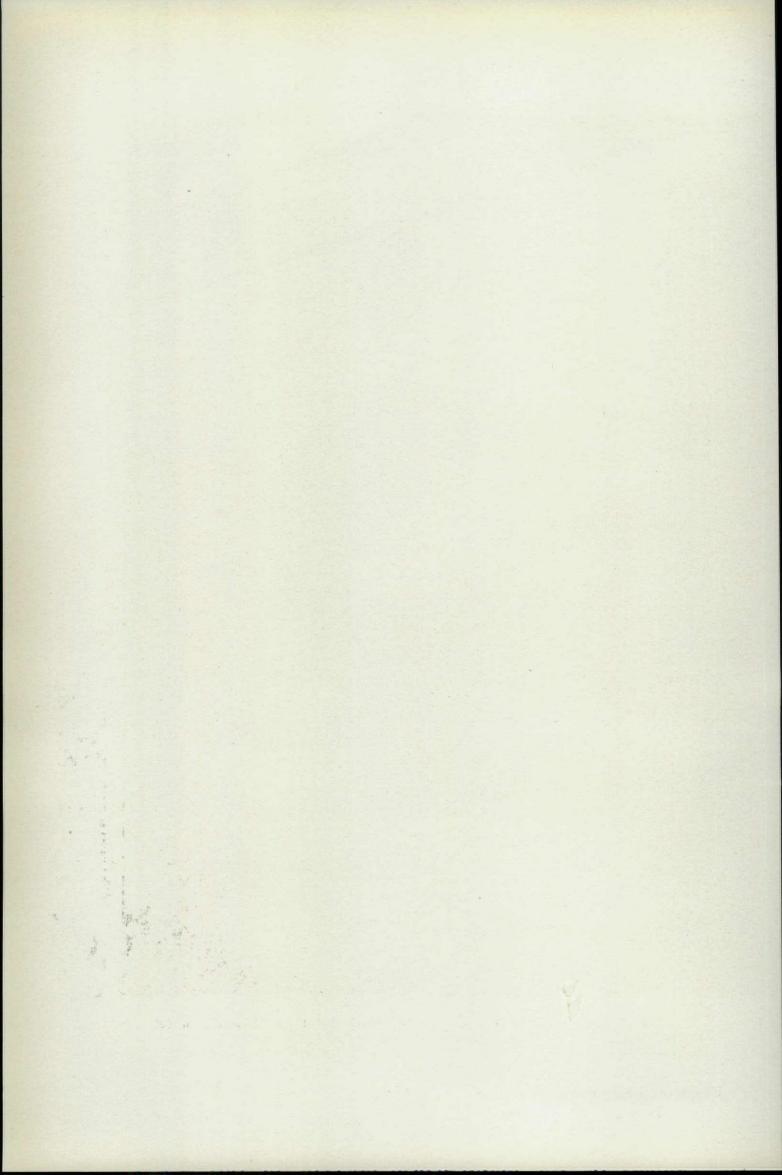


PLATE 117



ENTRANCE TO SCOTTISH RITE CATHEDRAL, DETROIT MASONIC TEMPLE GEORGE D. MASON & CO., ARCHITECTS

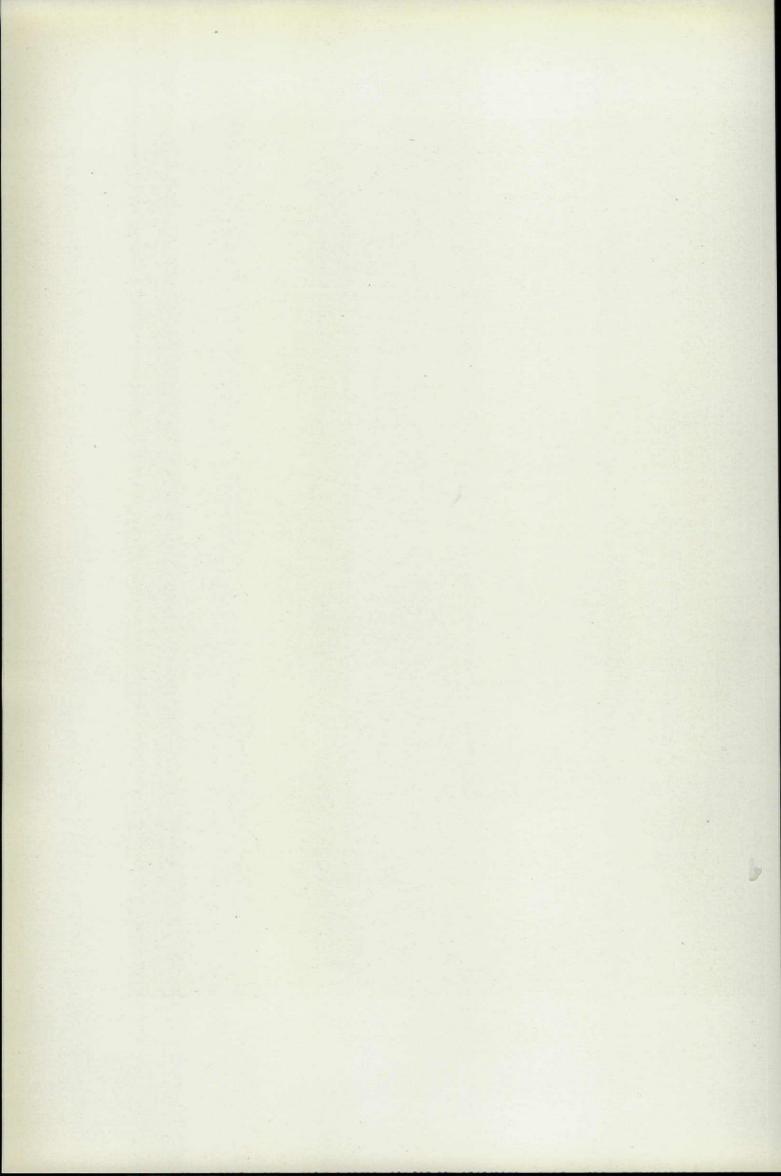
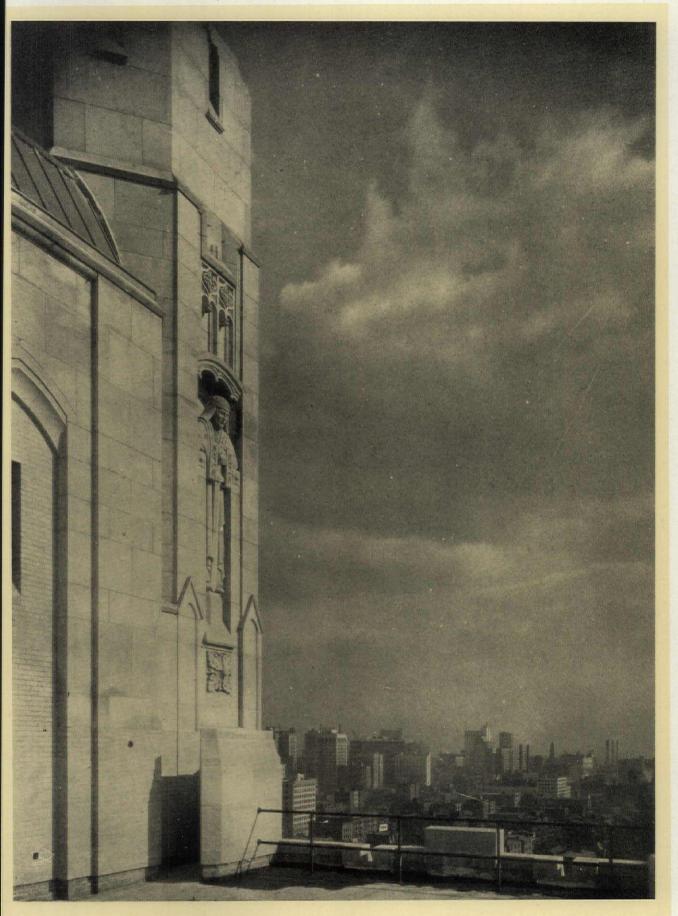


PLATE 118



UPPER PART OF STAIR TOWER, DETROIT MASONIC TEMPLE GEORGE D. MASON & CO., ARCHITECTS

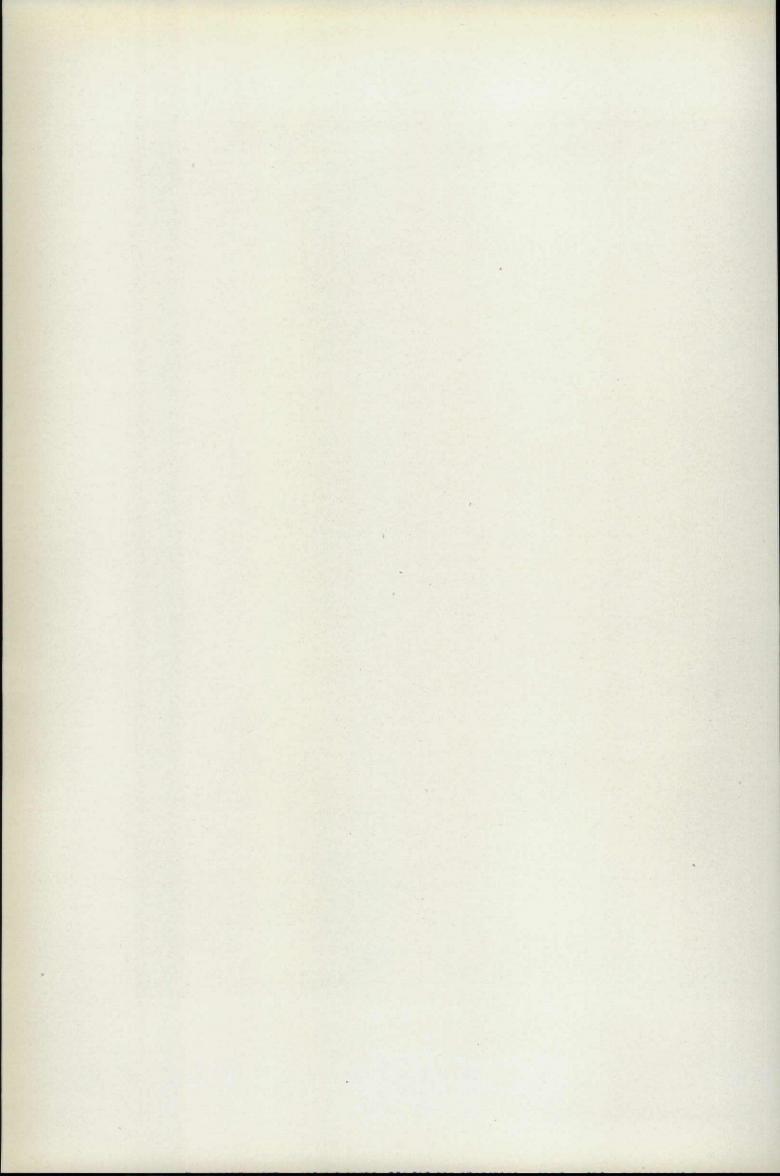
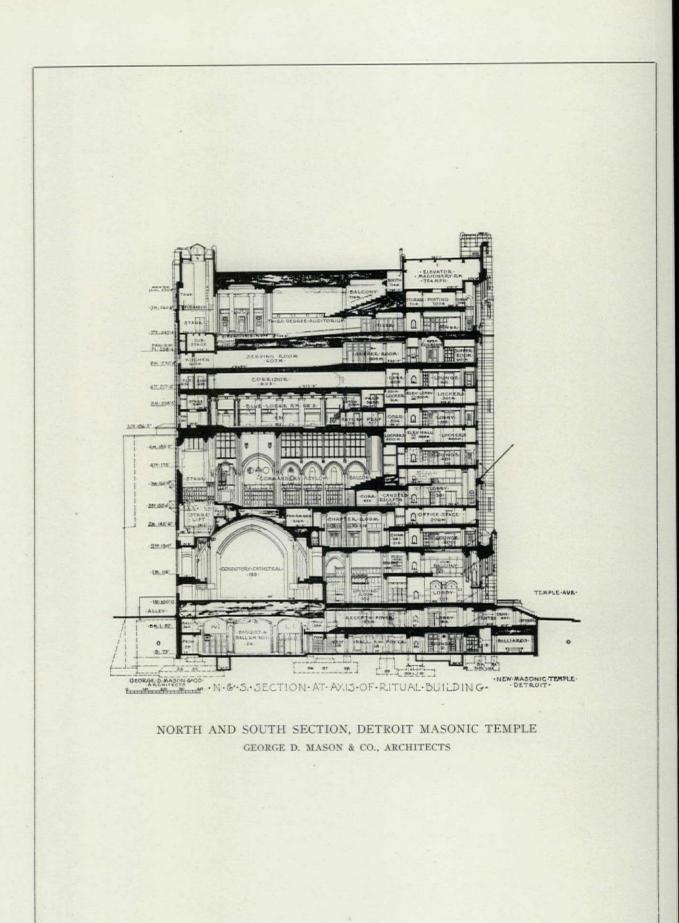


PLATE 119



Section on Back

COMMANDERY ASYLUM, DETROIT MASONIC TEMPLE GEORGE D. MASON & CO., ARCHITECTS



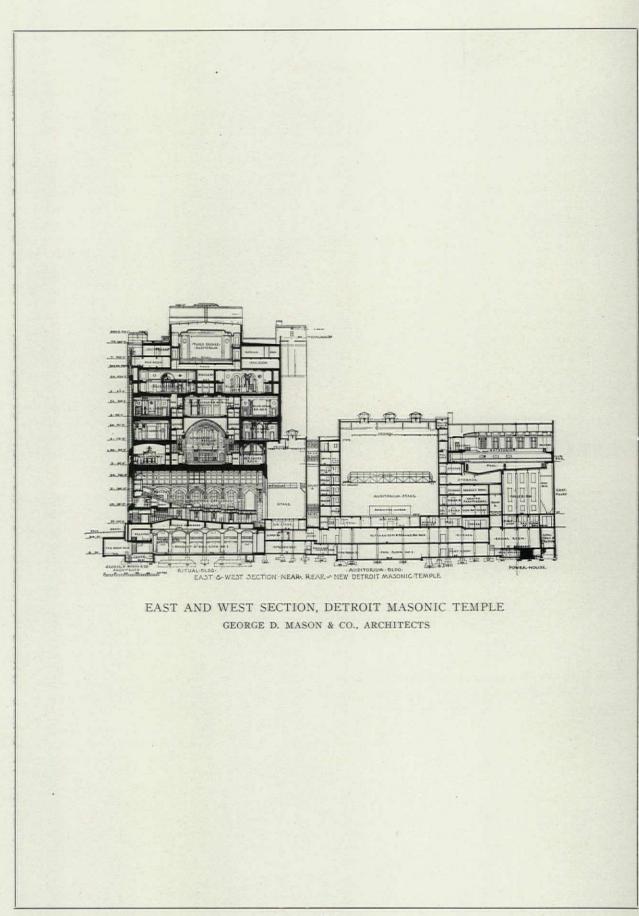


ONE OF THE LODGE ROOMS



ROMANESQUE LODGE ROOM, DETROIT MASONIC TEMPLE GEORGE D. MASON & CO., ARCHITECTS

Section on Back



#### THE BARBIZON

#### BY

### MATLACK PRICE

#### MURGATROYD & OGDEN, ARCHITECTS

M IDTOWN New York is now so definitely a geographical location, and its vast building activity is spreading so rapidly that we may soon find it necessary to locate a given building in upper or lower midtown. Thus, with 42nd Street as the center, 63rd Street might represent at least the fringe of upper midtown New York, where at Lexington

Avenue, is The Barbizon, a new towering club-hotel designed by Murgatroyd & Ogden. Its difference, socially, from hotels in general will be taken up later. Our primary interest, in any case, has to do with the architectural aspect of The Barbizon.

Seen from any point of view, it piles up well; its masses are vigorously and competently handled. The effect of four massive square towers at the corners, running well up the great central block of the building, gives the same strong, effective, vertical shadows that make The Shelton, farther down Lexington Avenue, one of the best buildings of its kind that our new architecture has achieved. The manner of The Barbizon, however, is a little different. Though The Shelton is Romanesque in detail, its total effect is that of an unusually



The Barbizon, New York Murgatroyd & Ogden, Architects

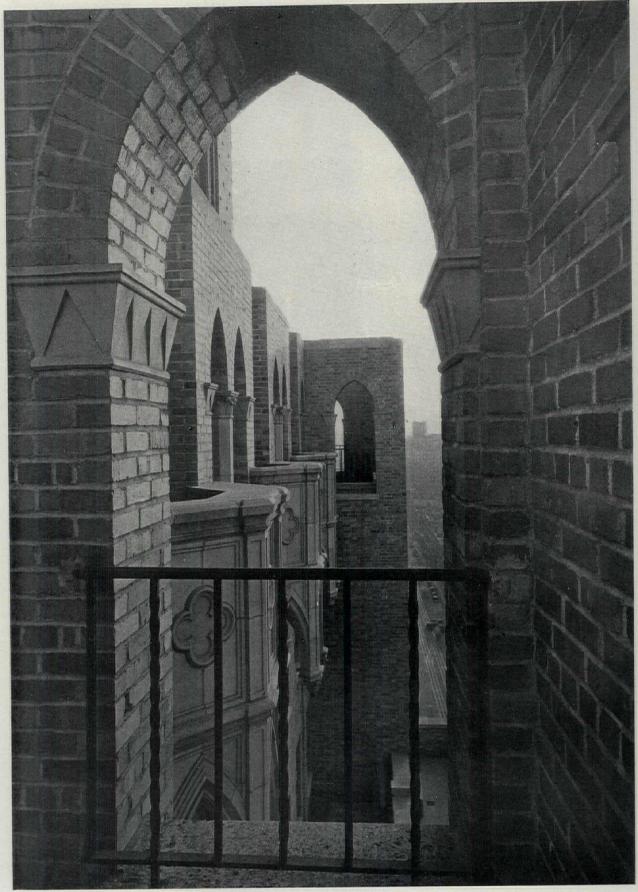
rugged sort of mediævalism; and though The Barbizon is mainly Gothic in detail, its total effect is of a very Romanesque sort of Gothic. The utilization of large Gothic windows is ingenious as applied to this type of building, not only scaling well with the great masses and heights involved, but lending as well some feeling that might be called romantic,romantic, certainly, as opposed to the mechanistic effect which some have seen as a possible æsthetic danger in the new architecture. The detail of The Barbizon has been managed economically yet adequately. Where incident was needed, it was provided, and with a simplicity of manner and an accuracy of scale revealing a careful and intelligent study of the whole project. In color and technique the brickwork is pleasing,-a range of salmon to light red, laid up with considerable diversity and trimmed with a neutral-toned limestone,-in all, a definitely worthwhile contribution to the number of great new

towers which now distinguish midtown New York. As a "club residence for business and professional women and students of art, drama and music," one anticipates some expression of this within, some expression of the atmosphere of such a place,—and one finds that this has been secured in terms of excellent good taste. The only effect that could be called at

> all elaborate, (and it is not at all overdone) is the Italianate treatment of the lobby and mezzanine, - the kind of transitional Gothic-to-Renaissance that came to France from Italy in the period of Francis I. Yet there is a quiet restraint in the handling of it here, in a manner befitting the entrance of an important building. From the northwest corner of the mezzanine, two steps lead down into a pleasant library, done with charm and simplicity. The dining room, which opens from the main floor of the lobby, is done in an Adam treatment and proportioned and scaled, one would say, to provide quiet and intimacy for the guests rather than to inspire the "delusions of grandeur" that constitute the chief attraction of those hotel dining rooms that are carried out "in the grand manner." A large solarium or lounge,

furnished in admirable taste, is located on the west side of the nineteenth floor, and above this there are attractive rooms for a number of the college clubs.

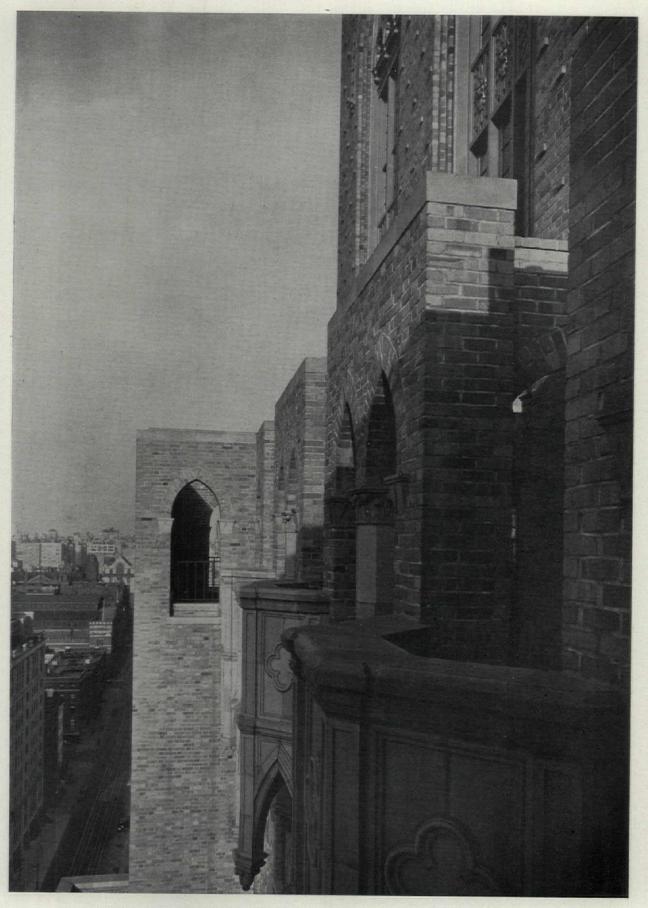
A study of The Barbizon cannot but remind one of the extraordinary advance in good taste represented today by buildings of its type. Architectural design per se, a more intelligent use of materials, ever-increasing efficiency in fixtures and equipment. quiet good taste in furnishings,-all contribute to the creation of a new type. It is seen not only in the newest hotels and apartment houses, but in office buildings, and even in railroad stations. Unlike the Bourbons, who have been said to "learn nothing and forget nothing," architects have learned a vast amount, even during the past ten years, and have forgotten, happily, much that merely cluttered up buildings and made against good taste and utility alike. The Barbizon seems to give evidence of a new understanding of civilization, wholly convincing



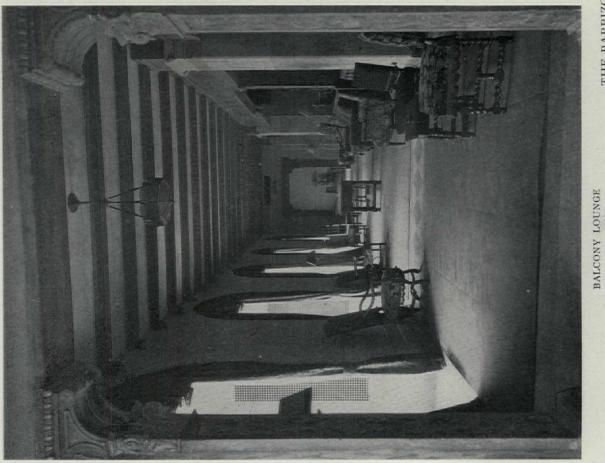
Photos. S. H. Gottscho

ROOF GARDEN ARCADE, THE BARBIZON, NEW YORK MURGATROYD & OGDEN, ARCHITECTS

May, 1928



ARCHES AND BALCONIES, EIGHTEENTH FLOOR, THE BARBIZON, NEW YORK MURGATROYD & OGDEN, ARCHITECTS

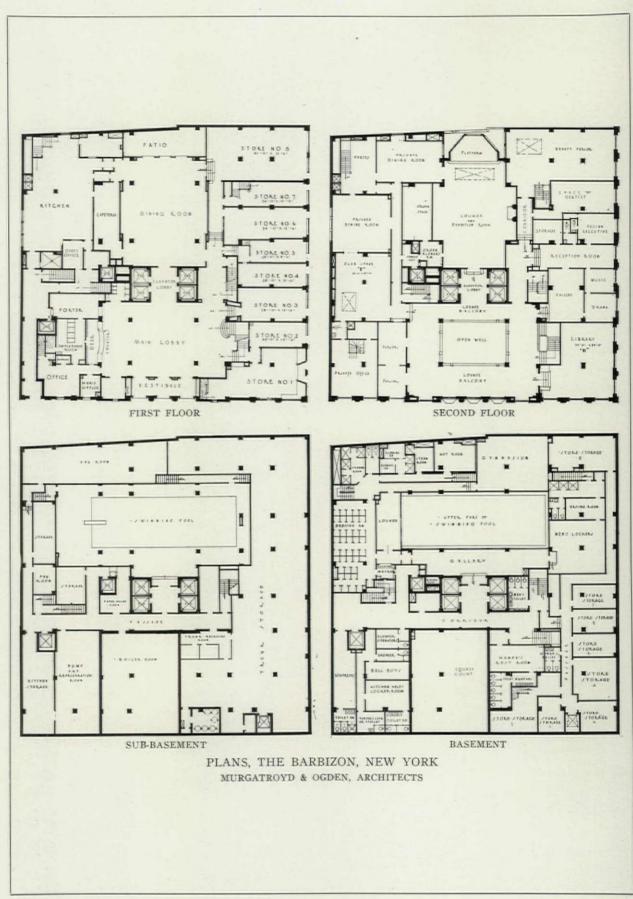


ROOF GARDEN WALK

PLATE 121



THE BARBIZON, NEW YORK MURGATROYD & OGDEN, ARCHITECTS Plans on Back

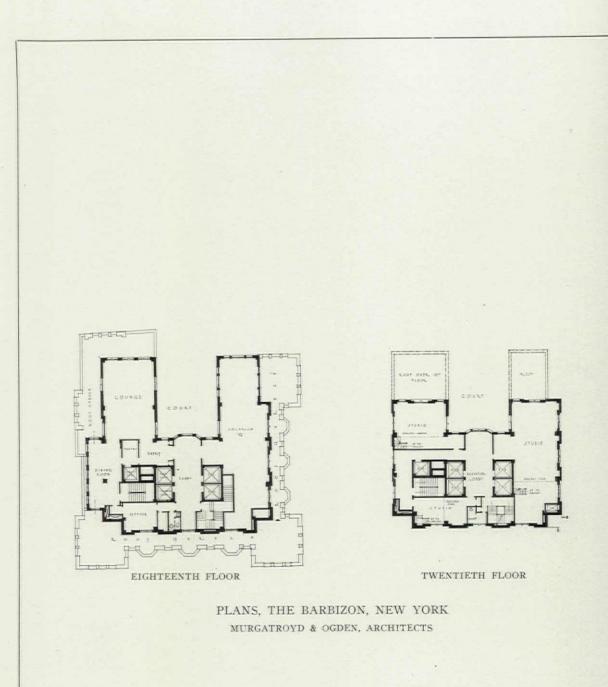


IAY, 1928

PLATE 122



DETAIL OF LOWER STORIES THE BARBIZON, NEW YORK MURGATROYD & OGDEN, ARCHITECTS

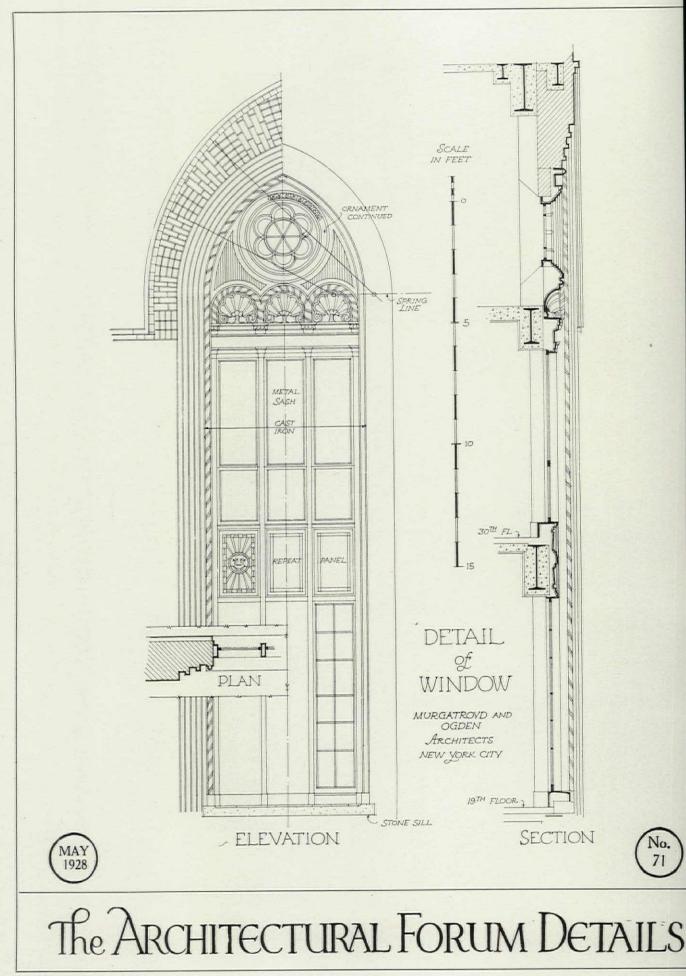


IAY, 1928

PLATE 123

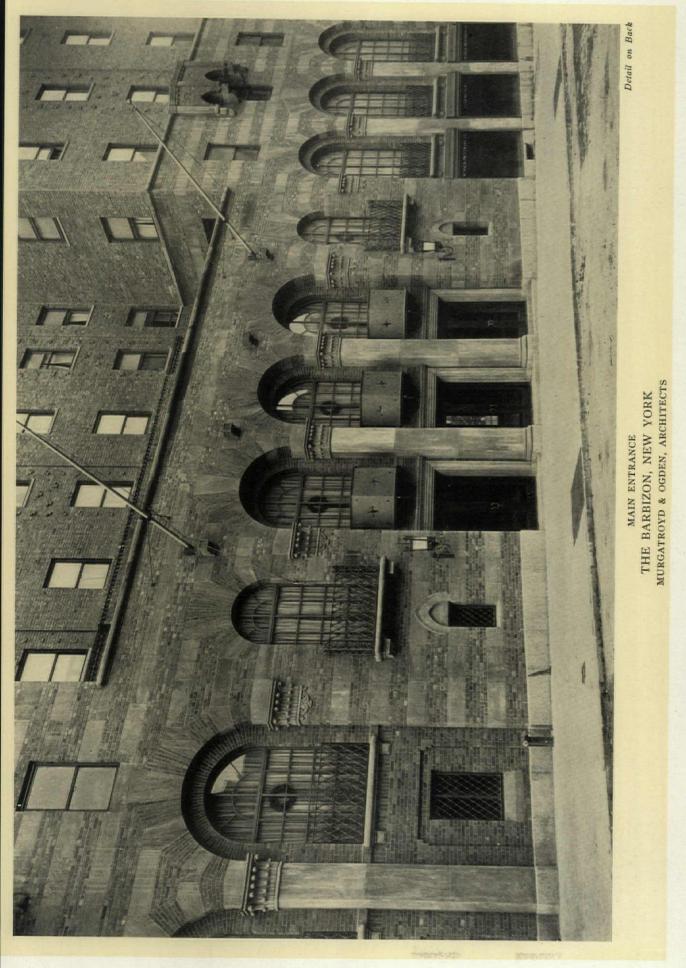


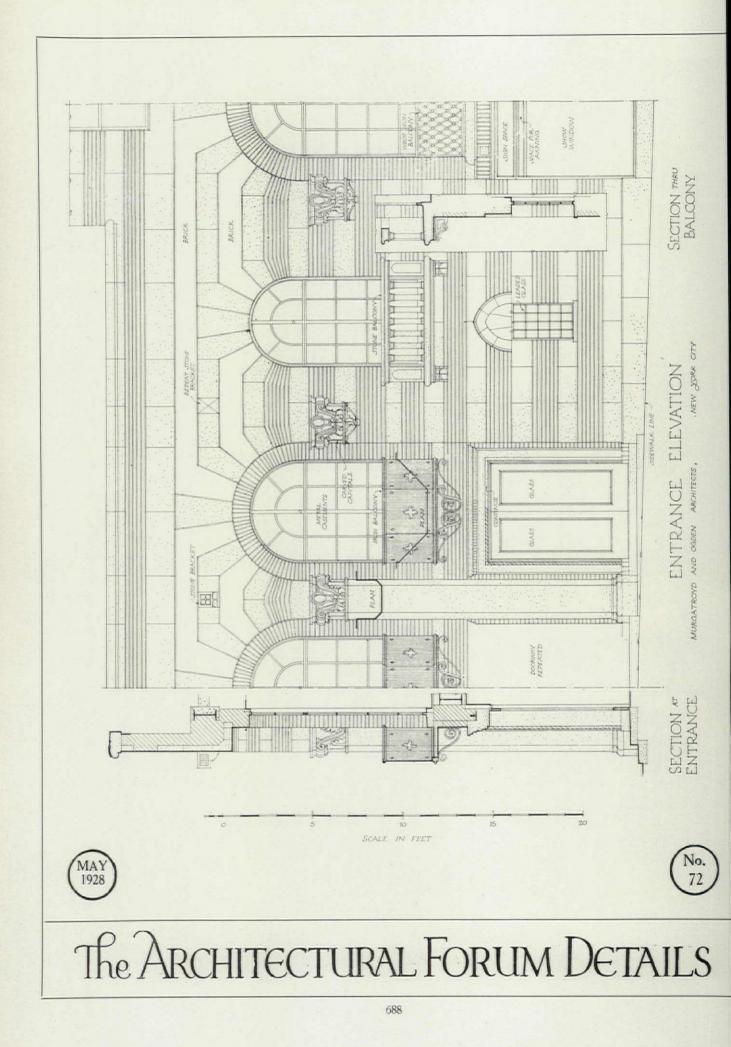
DETAIL OF UPPER STORIES THE BARBIZON, NEW YORK MURGATROYD & OGDEN, ARCHITECTS



THE ARCHITECTURAL FORUM

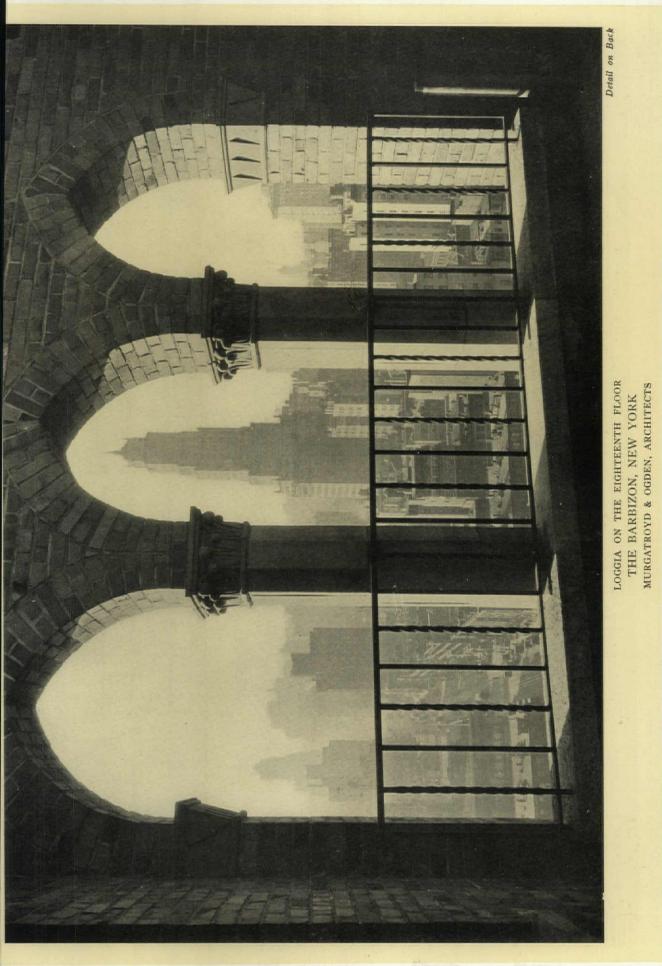
PLATE 124

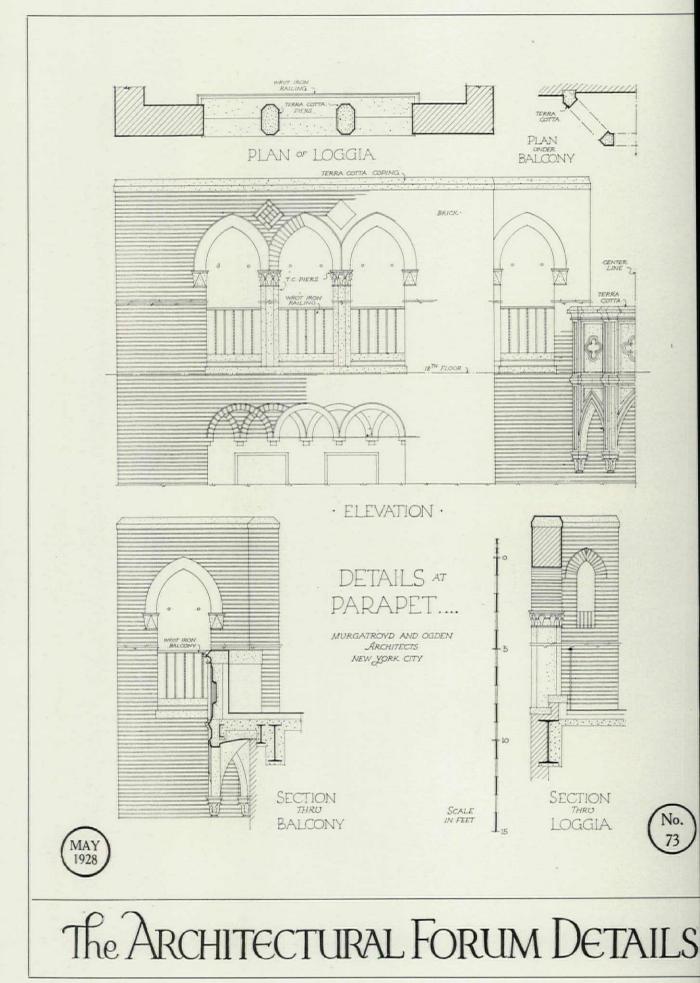




# THE ARCHITECTURAL FORUM

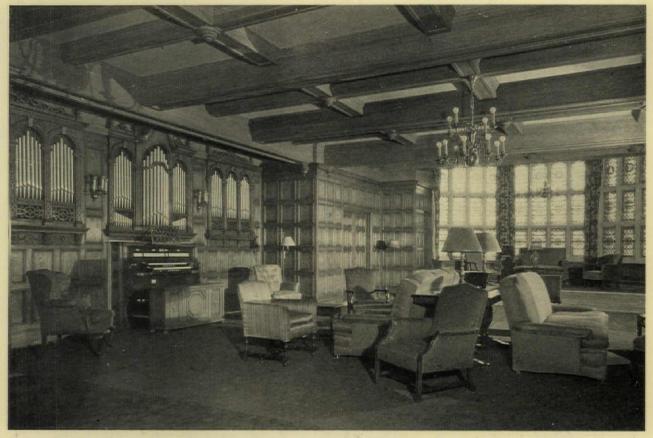
PLATE 125





# THE ARCHITECTURAL FORUM

PLATE 126



LOUNGE AND EXHIBITION ROOM



Detail on Back

MAIN LOBBY THE BARBIZON, NEW YORK MURGATROYD & OGDEN, ARCHITECTS

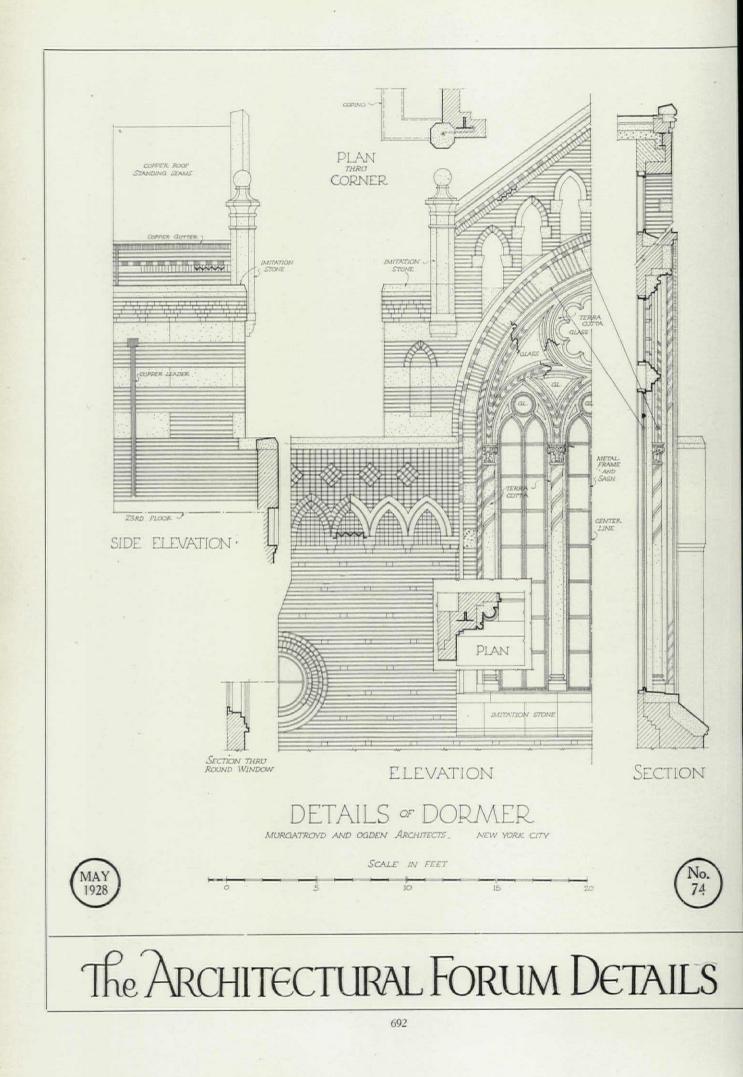
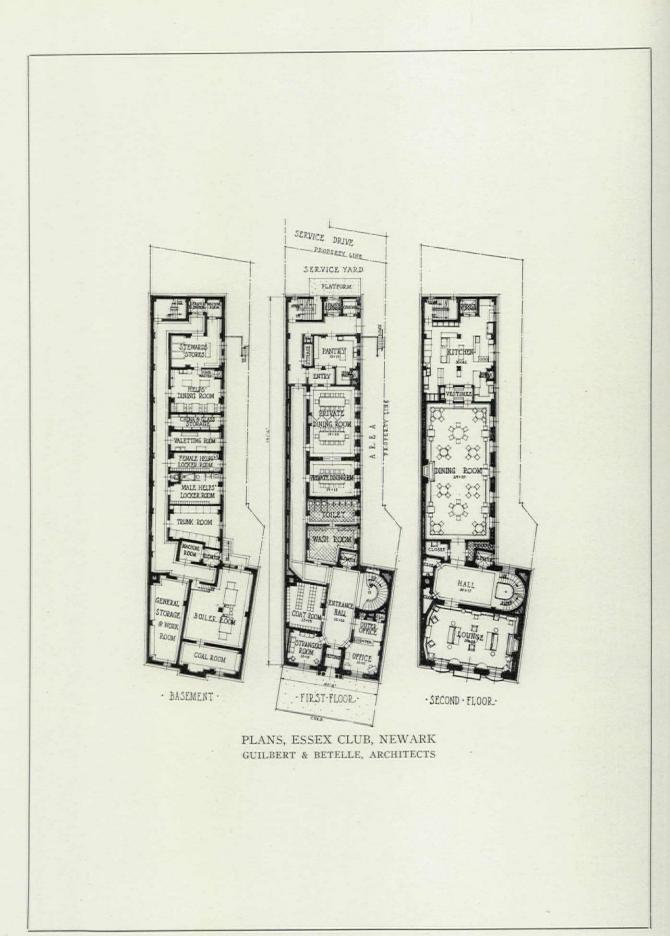


PLATE 127



Photos. John Wallace Gillies, Inc.

ESSEX CLUB, NEWARK GUILBERT & BETELLE, ARCHITECTS Plans on Back



### THE ARCHITECTURAL FORUM

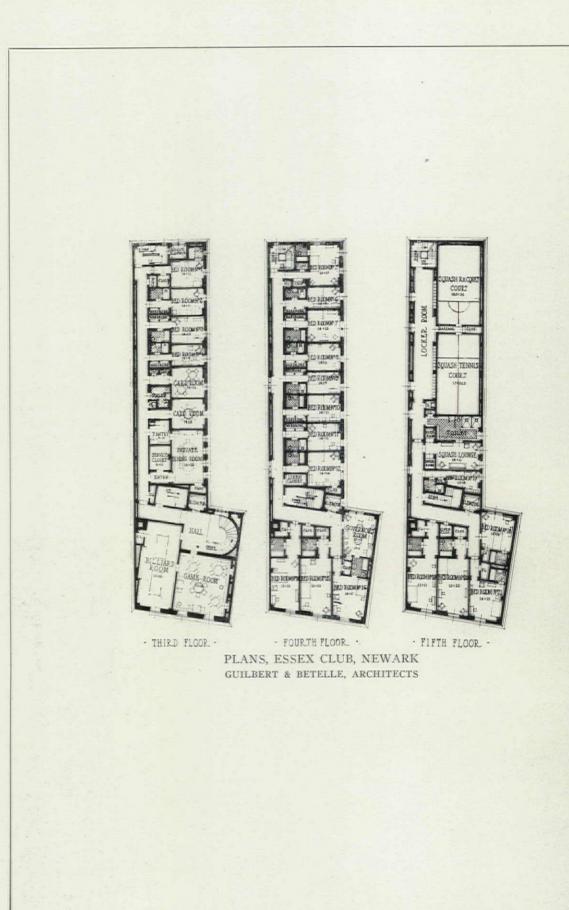
PLATE 128



THE LOUNGE



### MAIN DINING ROOM ESSEX CLUB, NEWARK GUILBERT & BETELLE, ARCHITECTS



### PHI DELTA THETA FRATERNITY HOUSE UNIVERSITY OF VERMONT

#### BY

### WILLIAM MCLEISH DUNBAR, ARCHITECT

THE pleasant dinner may be—much food and little speaking, the successful game—many plays and little argument, the enjoyable article—many pictures and little writing. If so, this presentation of Vermont Alpha's new house is doomed. The architect has been asked to describe it. He would like to make a matter-of-fact statement that it contains 25 rooms, all of course arranged in the most practical manner of construction in the most economical fashion, but he feels that the important feature of the new house is not to be found within its own walls, but that it comes, rather, from the atmosphere of the beautiful town and country which are spread about it.

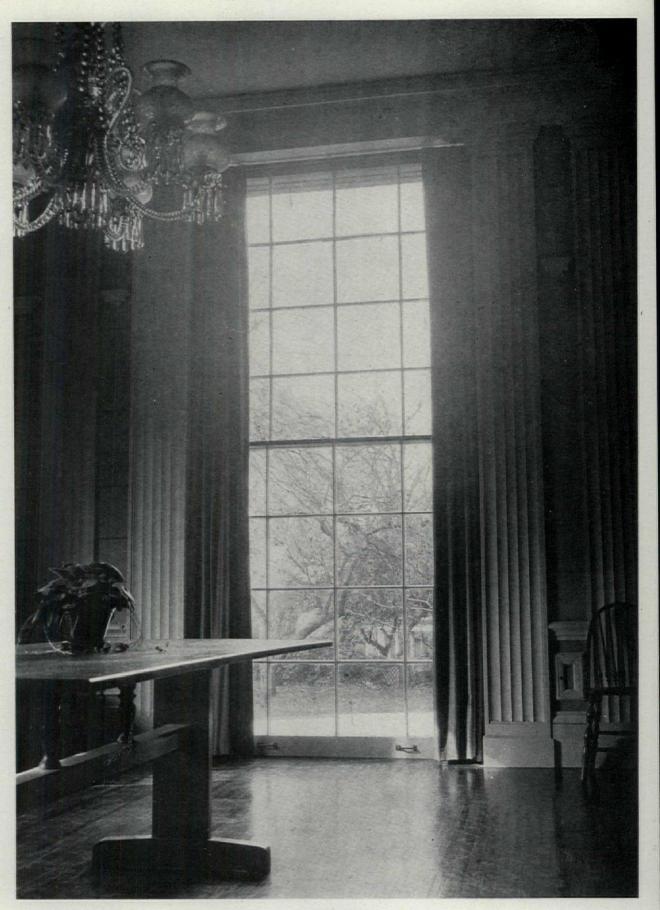
Burlington, in Vermont, should be known rather than seen, yet outwardly it could scarcely be a more appealing place, overlooking Lake Champlain, with stately mountain ranges on each side,—the Adirondacks and the Green Mountains,—and over all the glittering northern air and sunlight. One feels in Burlington the beauty of its long New England history. It bears the marks of early war and of early peace and culture. It has the battery of queer, ancient guns; the University whose cornerstone was laid by Lafayette; and its elmed streets of fine old houses. When Edward Everett Hale visited the place he said: "Those of you who have been in Burlington will know that I was in a city of palaces."

But everything typical in Burlington has the simplicity, dignity and integrity of Vermont, qualities well symbolized by the marble and granite for which the state is famous. These "palaces" of Dr Hale's were the old homes built during the first half of the nineteenth century by the prosperous New Englanders who were the product of the old town. Like all buildings of real architecture, these homes were typical of their owners. They were built in the mannered dignity of the Greek Revival, a style eloquent of simplicity, dignity and classic culture. From the subtlety of this period come beauty and attraction even beyond the appeal of the more obvious styles which more often command attention. Such, then, is the atmosphere of the locality in which a twentieth century fraternity wished to build a chapter house, a structure to accord with its surroundings.

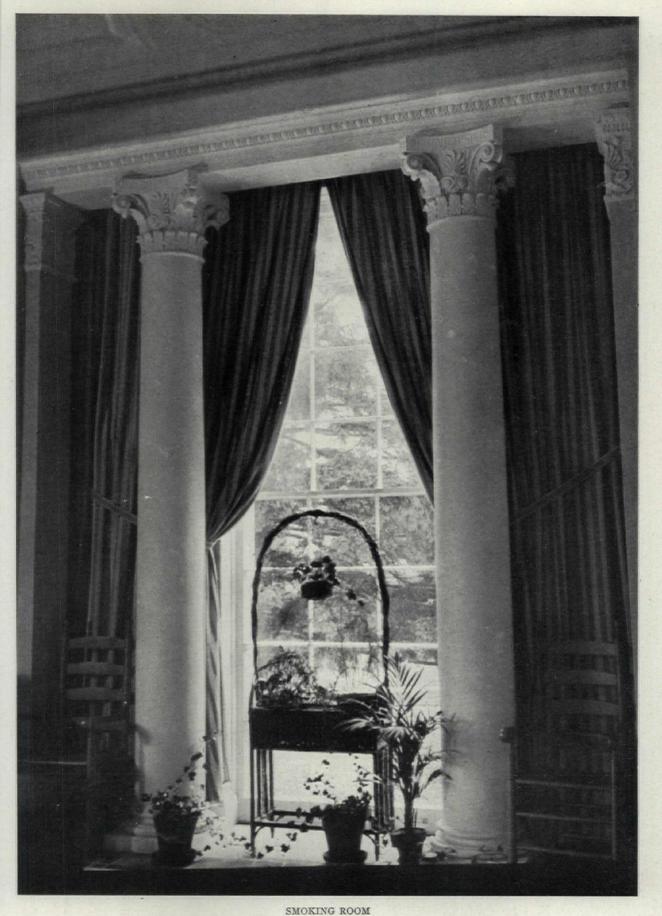
The committee which directed the building of the house at the University of Vermont from the beginning had in mind a simple, substantial house rather than one more spectacular. They were also desirous of following a further propriety; wherever possible they wished to use native materials and articles of local craftsmanship. So it is that the exterior walls are constructed of beautiful crystalline marble, which was freighted to Burlington from the Vermont quarries at Proctor. This stone is bril-



Entrance Front, Phi Delta Theta Fraternity House, Burlington, Vt. 697



DINING ROOM PHI DELTA THETA FRATERNITY HOUSE, BURLINGTON, VT. WILLIAM McLEISH DUNBAR, ARCHITECT



PHI DELTA THETA FRATERNITY HOUSE, BURLINGTON, VT. WILLIAM McLEISH DUNBAR, ARCHITECT

### ARCHITECTURAL DESIGN

Part One



Niche in Chapter Room

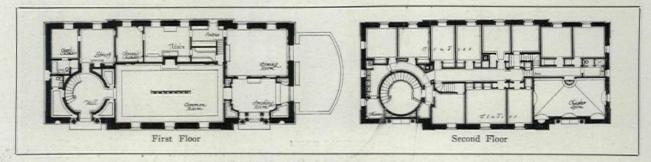
liantly white in the sun, but is relieved from glare by a delicate veining of green. The blocks are laid in the wall in an irregular bond and with joints of varying widths, so that there is not an impression of too great formality. It is often amusing to use an exquisite material carelessly. For trimming, white marble was used with a sanded surface, and in certain places it was carved in Greek design. The roof is of Vermont green slate, and together with the window blinds and white walls it carries out the old fashioned color scheme of green and white.

The site is at the head of College Street, which makes a gradual ascent of 300 feet from Lake Champlain to the University .Under the continuous arch



Library Chimneypiece

of lofty elms, there is almost the air of a dim cathedral nave. The new house stands slightly above the curb level, facing north. Because of this orientation most of the windows were put at the rear, and those rooms which do not require sunlight were placed fronting the street. In the center portion is the music room; in the wings, the twostoried entrance hall and the domed chapter room, both lighted from above. This arrangement makes possible the use of very large doors and windows, which increases the effect of simplicity, but, however, makes the house look smaller in the accompanying illustrations than it really is. Although not actually large, an indication of its size may be had



Phi Delta Theta Fraternity House, Burlington, Vt. William McLeish Dunbar, Architect



Entrance at the East End

from the lower windows and door, which are 12 feet high. A further individuality is due to the unusual material. Aside from the federal building, there are no marble structures in Burlington. The entrance door is in the east wing and bears above it a tablet inscribed "1848." The tall leaves of the outer door are pivoted and fold back into the thickness of the wall without showing unsightly hinges. The hall is a circular, severely simple room, dimly lighted by a high skylight. The solidity of the building is noticeable here. The walls and conical ceiling are gray plaster, the self-supporting stairway is of marble of a warm tan color, and the floor is rough tile of the same shade. The border around the base of the wall and up the stairs is of blue faience. The moulded door casings are painted white, and the openings are filled with quaint blinds. The principal feature of the hall is the stair rail, which rises in an unbroken spiral. It was wrought by hand, the work of an old time craftsman. At the left of the hall are coatroom and lavatory, and directly beyond is the library. The finish of this room is of wide planks of varying widths laid horizontally on the walls from floor to ceiling, being a less formal treatment than wood paneling. The walls are painted



Terrace at the West End

an antique green, and the mouldings, trim and cornice are dull carmine. The high ceiling is old gold. All these colors tone together in such a way as to form a restful background enlivened only by the curtains and chair covers of gay English chintz. The chimneypiece is also of English origin, at it was taken from an old London house. Its carving has the charm for which the eighteenth century craftsmen are noted. A secret door leads from this library to the guest bedroom, beyond which is a tiled bath. The entrance to the large room of the house is also from the circular hall. Here also the paneled doors fold back on each side, giving the impression of there being a very thick wall. This room is a general lounge. Its dimensions are 44 feet by 22 feet. The walls and ceiling are gray plaster with a classic cornice in pure white. At the base of the wall is a mosaic dado in a Greek pattern in black, gray and blue. The principal decorations of this room are the long curtains patterned in a Directoire design in blue, gray and apricot. The floor is left bare of rugs and is of selected Vermont birch divided into squares by inlays of black wood. As yet the fireplace wall is undecorated. A specially modeled plaque of the fraternity's goddess from the classic model, "the

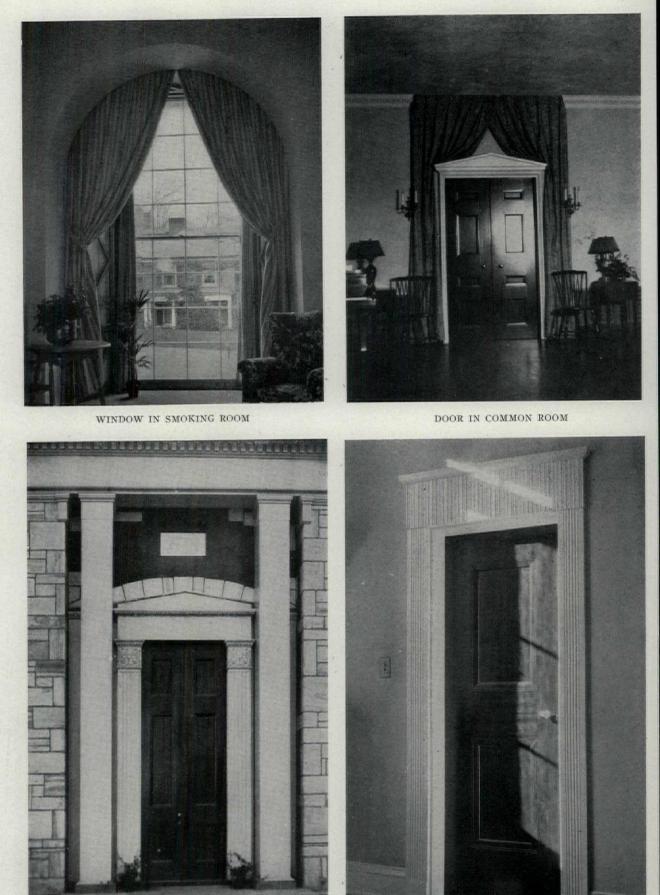


Card Room in Basement



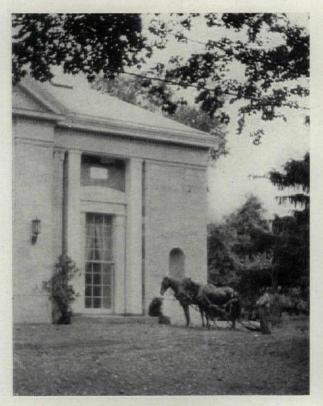
Card Room Fireplace

### ARCHITECTURAL DESIGN

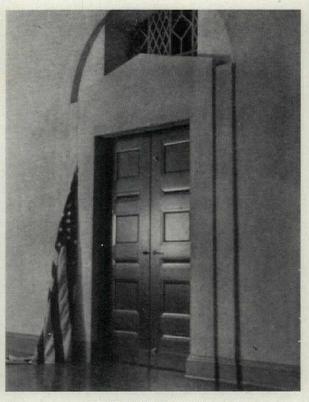


THE ENTRANCE A TYPICAL DOORWAY PHI DELTA THETA FRATERNITY HOUSE, BURLINGTON, VT. WILLIAM McLEISH DUNBAR, ARCHITECT

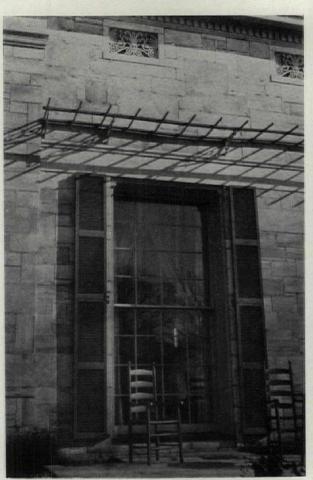
Part One



SMOKING ROOM WINDOW



CHAPTER ROOM DOOR





TERRACE WINDOW CIRCULAR STAIRS PHI DELTA THETA FRATERNITY HOUSE, BURLINGTON, VT. WILLIAM MCLEISH DUNBAR, ARCHITECT

Pensive Athene," is to be set into the wall and bordered by scarlet and gold tiles, and the whole wall decorated by hand after the manner of the Directoire period. Beyond the large room or lounge is the smoking room with the house manager's office and filing closet adjoining. Next and at the rear, overlooking lawn and tennis court, is the dining room. This is a high-ceilinged room modeled after an old hall at Harvard. The planked walls are painted pale green and are relieved by fluted wood pilasters painted antique white. The huge windows are curtained in a violet colored material, and the specially designed furniture is the golden color of old maple. Twenty men eat at one long table, and there are additional tables which may be joined to this to make an H-shape. The service department is at the rear. The most obviously attractive room is the card room in the basement. Here it was decided to leave subtlety behind and make a "rough house" room. The walls are crudely half-timbered, with the rough plaster peeling off in places and so showing the brick beneath. The ceiling is beamed with adzed timbers, these being over a century old. They are a relic from the last chapter house. The fireplace is of rough red sandstone with a high hearth. The floor is cement. The color of the room is rather harsh,dark brown timbering, cream colored plaster, orange shutters; and the oak doors, 21/2 inches thick, are stained in orange, emphasizing the grain of the wood.

Students at the University of Vermont must either have their homes in the state or be descendants of alumni. Consequently the registration is but 1100, and the fraternity chapters are small. On the second floor of the house there are ten studies, each

for two men only. There is also a segregated room for the house matron. The hall of this floor is more than a passage in that it is ample and symmetrically arranged, with the room doors set in deep recesses. The studies are designed and furnished as carefully as the rest of the building, for they are the most important element in any fraternity house. These rooms are divided into three sections and are cut off from the main hall, this is to insure quiet. The walls are finished in rough gray plaster of very pleasing texture. The elaborately moulded door casings with their pedimented tops serve as relief to the plain plaster. The doors themselves are of beautifully matched gumwood. Old fashioned box-locks of polished brass are mounted on the faces of the "lockrails." Each man has a wardrobe or dresser, with a conveniently located electric light, all built into the wall and shut off from the study by a door. The desks are modeled after the old fashioned slanttop type, and the study chairs are comfortable Windsors. In addition there are upholstered chairs covered in bright cretonne matching the long window curtains. There are no desk lamps, the lighting being by iron floor lamps with parchment shades. The rugs are of the same material throughout, but of different colors. At each end of the second floor are stairs leading to the dormitory above, and nearby are tiled bathrooms. One of these connects with an octagonal shower room, completely waterproofed

There is always something particularly appropriate in the use of the Greek Revival type of architecture for a fraternity house, and here use of the type brings the building into close accord with its surroundings, —with other houses of the same general character.

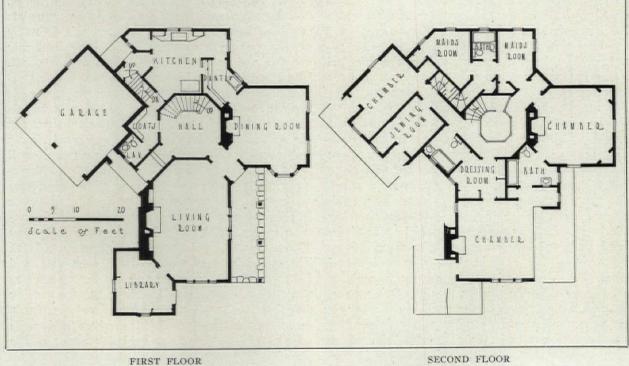


Common Room Chimneypiece, Phi Delta Theta Fraternity House, Burlington, Vt. William McLeish Dunbar, Architeet

### SMALL BUILDINGS @



HOUSE OF WINTHROP BROWN, ESQ., CAMBRIDGE, MASS. J. ROBERTSON WARD, ARCHITECT



705

SECOND FLOOR

### ARCHITECTURAL DESIGN

Part One



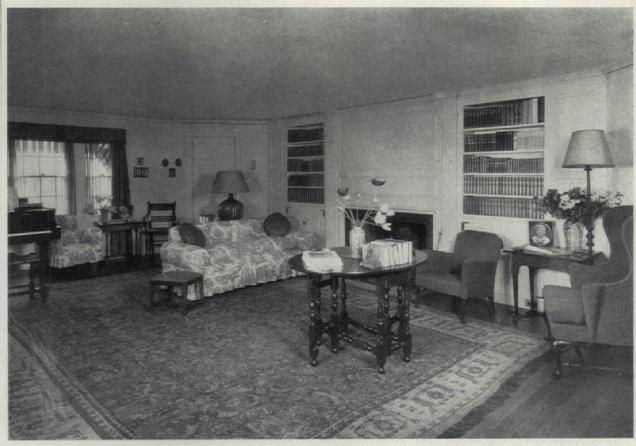
LIVING ROOM END, HOUSE OF WINTHROP BROWN, ESQ., CAMBRIDGE, MASS. J. ROBERTSON WARD, ARCHITECT

PLAN more unsymmetrical and ingenious could hardly be imagined. Grouped about a center octagonal stair hall, the various rooms are so placed that they form an irregular Maltese cross. No particular balance or definite arrangement seems to have governed the layout of the plan. One advantage of this peculiar form is that the principal rooms can have windows on three sides, although this opportunity was not taken advantage of, probably for the reason that too many windows cut up wall areas and detract from the sense of privacy and seclusion which the principal rooms in a small country house should always possess. The fact that three of the corners of the living room are cut off adds to rather than detracts from the architectural effect. The paneled chimney breast, devoid of any mantelpiece or shelf, with the built-in book cases on either side, is an attractive and well designed feature of the living room. A little library or office opens off one end of the living room, making a convenient and comfortable place for quiet and privacy. The dining room is considerably smaller than the living room, and with the exception of the small bay window on one side is symmetrical in plan, as the fireplace at the center of one end of the room is balanced by doors on each side. The many angles of this plan

produce strange shaped spaces which are occupied by the pantry, coat closet, lavatory, and passageways. The kitchen, which is most irregular in shape, has, however, sufficient floor area to accommodate its requirements. Although the garage is definitely set into one angle of the house, it is reached only through a door opening onto the entrance porch. The octagonal stair hall, which is shown in an accompanying illustration, with its white painted walls and the black painted newels and hand rails, has almost the effect of a modernistic French design. On the second floor there are two good sized master bedrooms, two master baths, a sewing room, small guest room, and two maids' rooms and a bath. Necessarily, these rooms are similar in their irregularity of shape to the rooms on the first floor.

This house, which was completed in 1925, contains about 54,000 cubic feet, costing a little over 46 cents per cubic foot, or approximately \$25,000. The roof is covered with 1/4-inch green slate, and for the gutters, conductors and flashing copper was used; 24-inch shingles laid 10 inches to the weather cover the outside walls. All of the floors are of oak, except in the kitchen and baths, where rubber tile was used. Brass pipe was used throughout all the plumbing, and white wood for the trim and paneling.

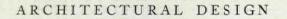
### THE ARCHITECTURAL FORUM

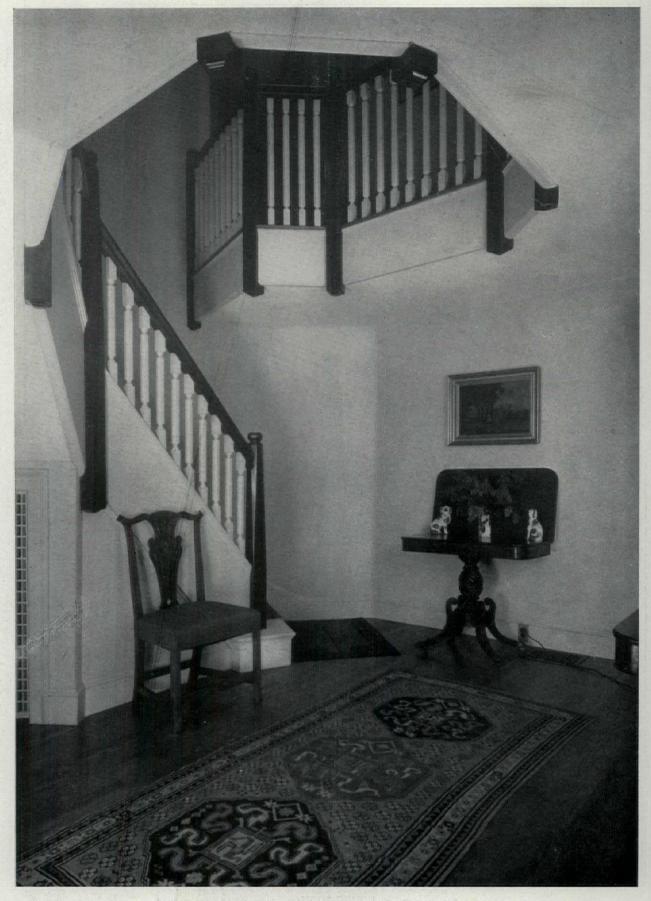


LIVING ROOM



DINING ROOM HOUSE OF WINTHROP BROWN, ESQ., CAMBRIDGE, MASS. J. ROBERTSON WARD, ARCHITECT





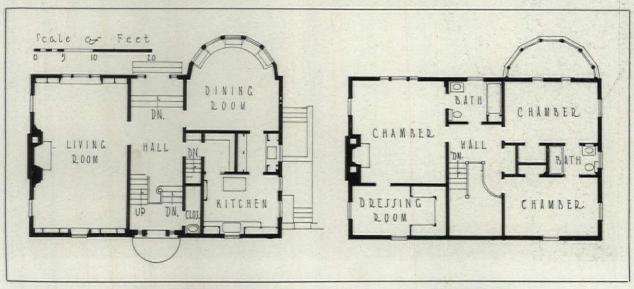
OCTAGONAL STAIR HALL, HOUSE OF WINTHROP BROWN, ESQ., CAMBRIDGE, MASS. J. ROBERTSON WARD, ARCHITECT



HOUSE OF GEORGE MACOMBER, ESQ., CAMBRIDGE, MASS. J. ROBERTSON WARD, ARCHITECT

mental entrance door, which opens upon a landing nate the design of the main facade. The rear elevaof the main stairway, midway between the first and tion has a pleasingly homelike quality, due largely to second floors. This peculiar location of the entrance use of the large bay and several grouped windows. door, due to the sharp drop in grade of the lot on The usual wood frame construction was used, wood which the house is built, makes it possible to keep clapboards for the walls, and 1/4-inch green slate the front elevation of the house attractively low in for the roof. Containing 38,000 cubic feet at 45

\*HE chief characteristic of this symmetrical dows balance this entrance door at a sufficient dissmall house is its unusually large and monu- tance from it to allow the door to completely domiheight and simple in design. Four well placed win- cents, this house cost completed, 1926, about \$17,000.

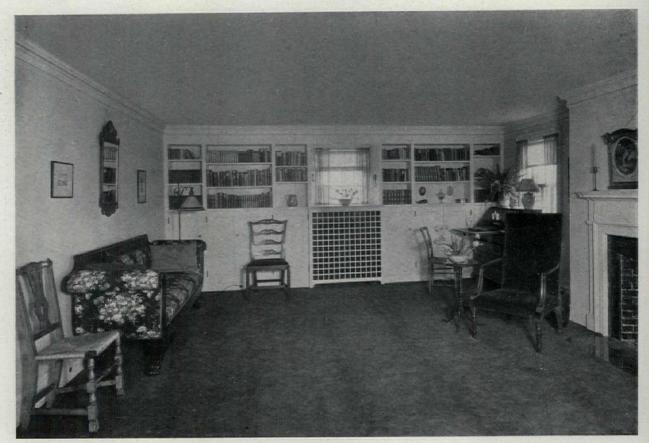


FIRST FLOOR

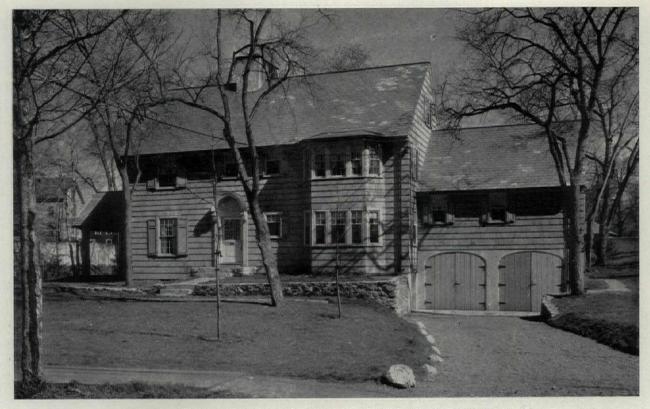
SECOND FLOOR



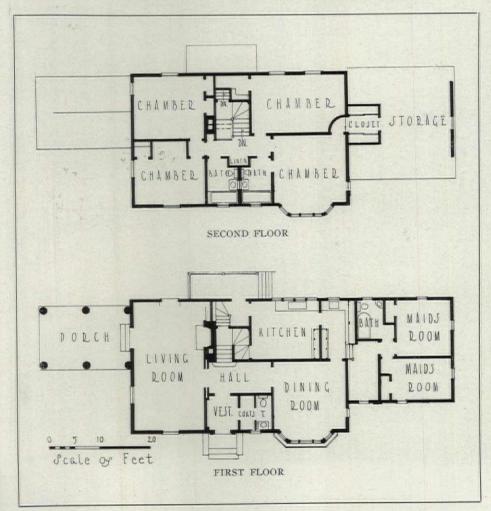
SOUTH ELEVATION



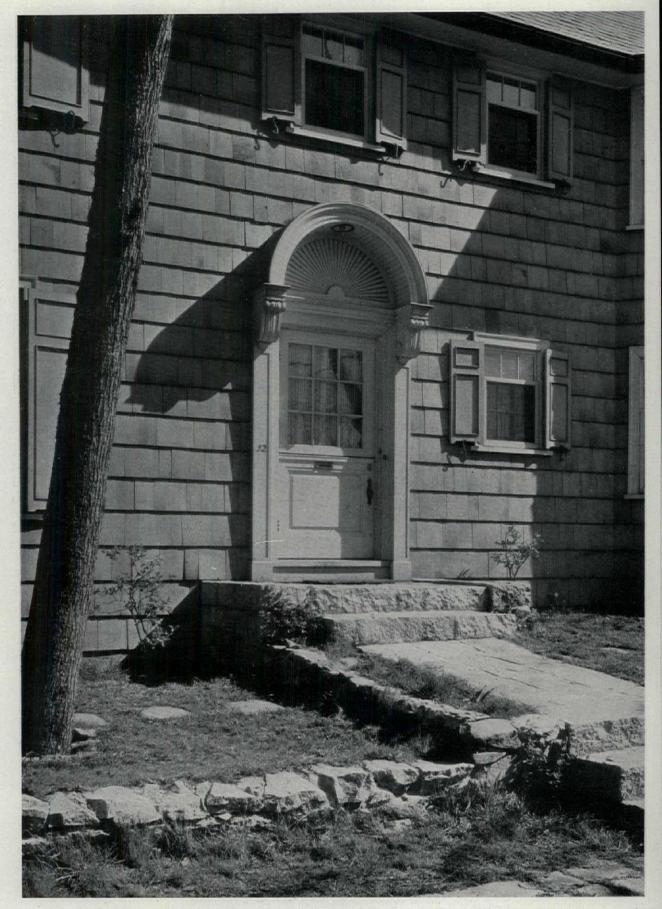
LIVING ROOM HOUSE OF GEORGE MACOMBER, ESQ., CAMBRIDGE, MASS. J. ROBERTSON WARD, ARCHITECT



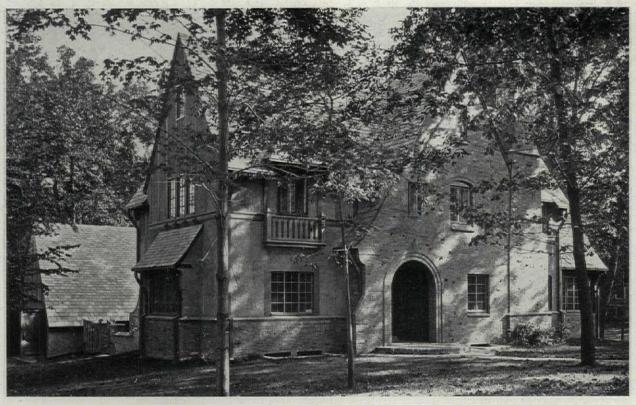
HOUSE OF DR. WILLIAM M. SHEDDEN, CHESTNUT HILL, MASS. J. ROBERTSON WARD, ARCHITECT



HIS is a variation of the New England farmhouse type. 24-inch shingles, laid 10 inches to the weather and stained gray, cover the walls, and 1/4-inch green slate is used on the roof. The two-car garage is conveniently located in the service wing, under the two maids' rooms and bath. Off of the large entrance vestibule a coat closet and lavatory are conveniently located. The center stair hall connects the dining room with the living room. Four master bedrooms and two baths are located on the second floor. The two-story bay window on the front of the house adds to its homelike and cheerful character. Two-story bay windows give distinction and quality. They are as appropriate on houses of old English design as on those in Colonial and the later Georgian styles.



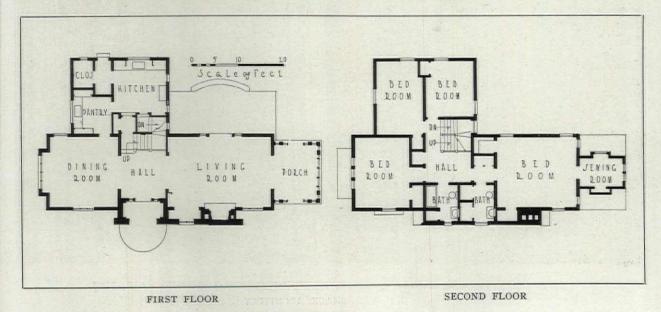
ENTRANCE, HOUSE OF DR. WILLIAM M. SHEDDEN, CHESTNUT HILL, MASS. J. ROBERTSON WARD, ARCHITECT

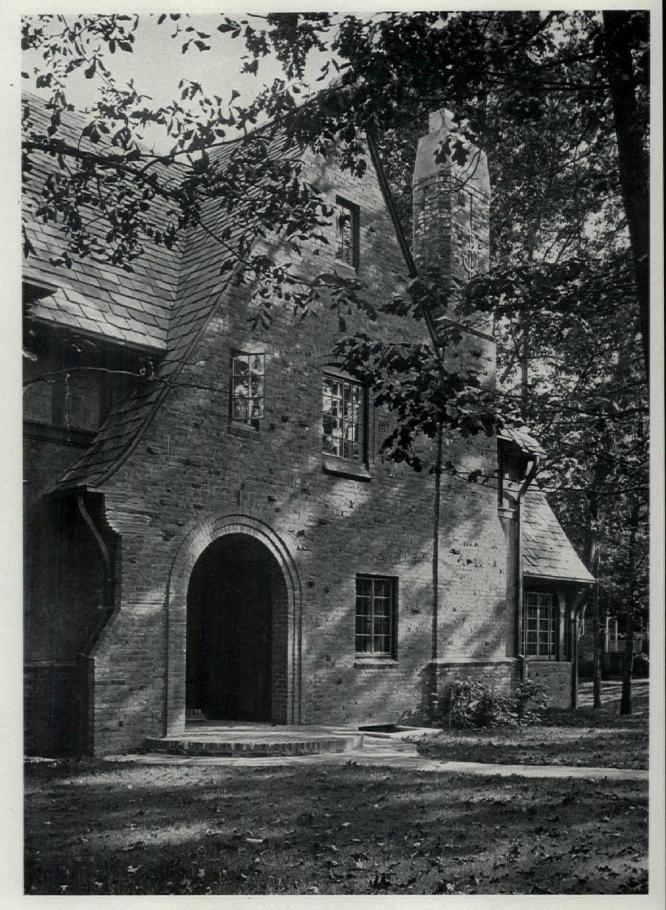


HOUSE OF A. E. BETTERIDGE, ESQ., MONTCLAIR, N. J. C. C. WENDEHACK, ARCHITECT

less attractive than the three simple New England houses preceding. A combination of common brick, stucco and half-timber gives this house an English quality, which is very popular with home builders today,-also it is a style particularly appropriate for wooded locations, such as are found in Westchester County and eastern New Jersey. Although the square footage of this house is not large, the height of the steep pitched roof gives additional space for servants' rooms on the third floor. There is more regularity to the plan than the picturesque

\*HIS house is rather more sophisticated but no and unsymmetrical exterior would suggest. A spacious stair hall separates the living room and dining room. Back of the latter is a good sized pantry and excellent kitchen, the kitchen having windows on two sides, which is a desirable arrangement whenever possible. The materials used in constructing this house include brick and stucco on wood frames, slate for the roof, steel casements for the windows, oak for the floors and interior trim, steam for the heating, and sand-finished plaster for the interior walls. The cubic footage is 50,301, and it was built in 1926 for about \$27,926.





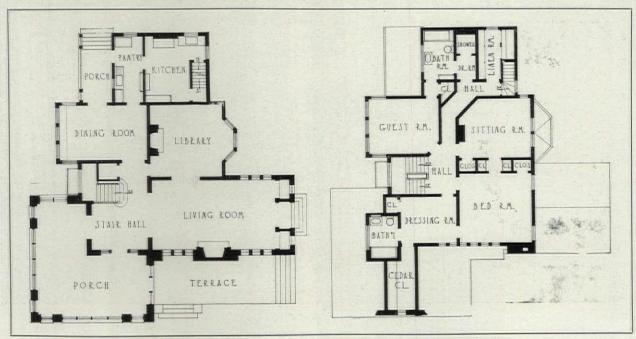
ENTRANCE FRONT, HOUSE OF A. E. BETTERIDGE, ESQ., MONTCLAIR, N. J. C. C. WENDEHACK, ARCHITECT



HOUSE OF J. R. WILDMAN, ESQ., MONTCLAIR, N. J. C. C. WENDEHACK, ARCHITECT

I of its charm from the excellent and colorful stonework combined with brick which is used for most of the first story. Stucco and half-timber and vari-colored slate give originality to the upper stories and gables. There is freedom as well as originality in both the design and plan of this house. A terrace and covered porch extend across the front, back of which are located the entrance, stair hall and living

HIS cheerful, picturesque house derives much room. The splendid height of the roof, which successfully and pleasingly dominates the entire design, makes possible the location of three servants' rooms and baths on the third floor. The construction of this house includes the use of brick, stone, stucco and wood frame for the walls, slate for the roof, steel casements for the windows, oak for the floors and interior finish, and sand plaster for the interior walls. Built in October, 1925, at a cost of \$26,000.

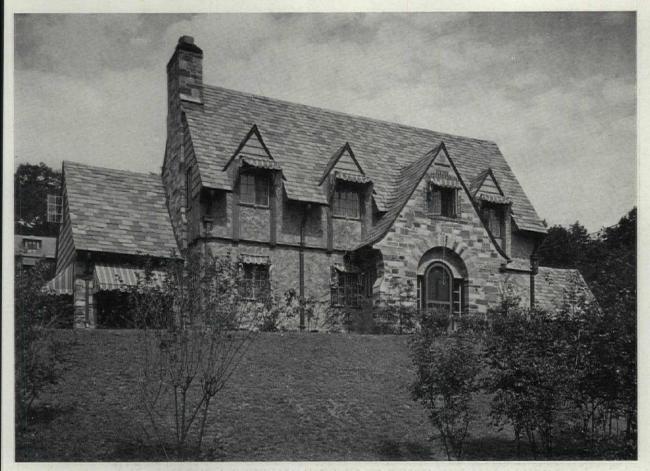


FIRST FLOOR

SECOND FLOOR

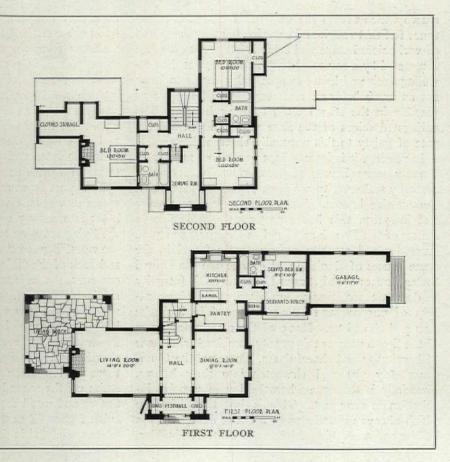


HOUSE OF J. R. WILDMAN, ESQ., MONTCLAIR, N. J. C. C. WENDEHACK, ARCHITECT



HOUSE OF MRS. J. D. HAWKINS, MONTCLAIR, N. J. C. C. WENDEHACK, ARCHITECT

OCATED on one of Ι J Montclair's beautiful hillsides, this picturesque modern version of an English cottage fits well into the landscape. The whole effect of the house is long and low, partly on account of the onestory service wing and garage on the north end of the house. Another detail which adds to the low effect of the design is the characteristically French treatment of the overhanging eaves which are broken by the high dormer windows. The height of these windows is cleverly accentuated by the use of halftimber on either side. Color is given to the design through the use of variegated stone and brick in the entrance bay, main chimney and porch piers. To further carry out this characteristic of color and texture, a heavy rough finish has been given to the



Will the Break



LIVING ROOM END, HOUSE OF MRS. J. D. HAWKINS, MONTCLAIR, N. J. C. C. WENDEHACK, ARCHITECT

stucco which covers the wall surfaces. It is sometimes felt that rough and colorful masonry composed of vari-colored stone and brick is better set off when contrasted by a smoother texture stucco, but the prevailing desire of home owners today seems to be to get as much boldness and roughness of texture as possible in the stucco walls of their houses. The variegated colors of the slate roof add still another note of gaiety to this unusually cheerful house.

In passing, it is interesting to note how much personality some houses possess. Dignity, integrity, austerity and severity are some of the qualities which characterize houses. Many houses possess dignity and integrity, this being particularly noticeable in houses of the French and English Renaissance styles. Austerity and severity are constantly found in the stone houses of England and France and the United States, houses built between 1720 and 1820. Integrity in domestic architecture implies a straightforwardness of purpose and intent evidenced in both the plan and elevations. Many of the plantation houses of the South possess this quality combined with those of hospitality and cheerfulness. Some architects unconsciously put real character into their houses. Especially is this true when the joy of creative inspiration is strongest. This is just the difference which always exists between a house designed by a builder and one designed by an architect. The builder, no matter how conscientious and thorough he may be in the construction of his house, is only building a shelter from the elements, a roof and four walls to support it. On the other hand, the architect sees in this roofed-in, four-walled piece of construction much more than a mere shelter. In his mind it becomes a home, an expression of the life which goes on within it. In his creative imagination, interest and, if possible, beauty must be given to the shell which encloses and protects so priceless and indispensable a place as a home.

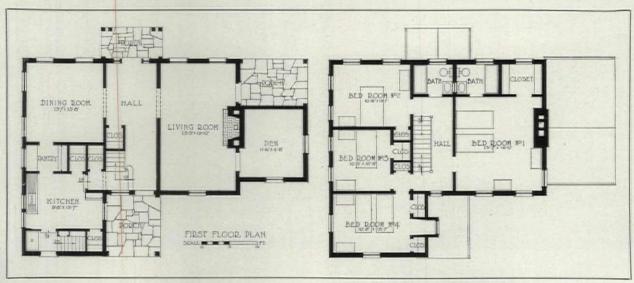
This plan is convenient and well arranged. An entrance vestibule with a coat closet on either side leads into a long center stair hall, which separates the living room on the left from the dining room on the right. Beyond the living room is a covered porch, and back of the dining room are a pantry, kitchen and one servant's bedroom and bath, beyond which is a single-car garage, accessible through the service porch. On the second floor there are three master bedrooms and two baths. As may be seen from the illustrations, the roof is not of sufficient height to permit a third story, although under the ridge pole there is a long open attic reached by a small flight of stairs off the second floor hall. Brick, stucco, halftimber and wood frame are used. Containing 41,116 cubic feet at 62 cents per cubic foot, this house cost when completed in 1925, approximately \$25,000.



HOUSE OF STANLEY M. BABSON, ESQ., ORANGE, N. J. C. C. WENDEHACK, ARCHITECT

I N sharp contrast to the English types of houses shown on the preceding pages is this simple farmhouse, which with its brick ends reminds one of some of the old houses found in Connecticut. The Colonial spirit is suggested in this design by the well proportioned, small-paned windows, the gray stained shingles, and the entrance porch. The small wing containing the "den" and porch is excellently car-

ried out with brick walls and a high gable end roof, similar in pitch to that of the main house. The specifications called for wood frame, shingles and brick veneer for the walls, cedar shingles for the roof, oak for the floors, steam for the heating, and white pine for the interior trim. Completed in 1926, this house, with an approximate cubic footage of 35,290, cost 46 cents per cubic foot, or about \$17,500.

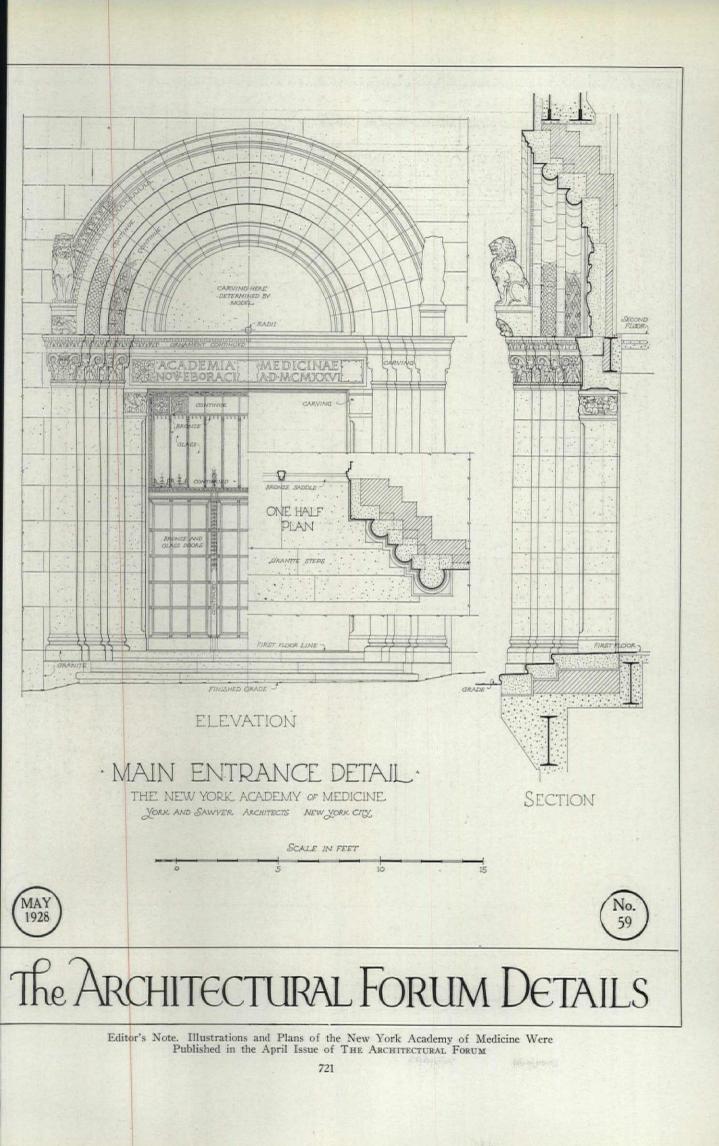


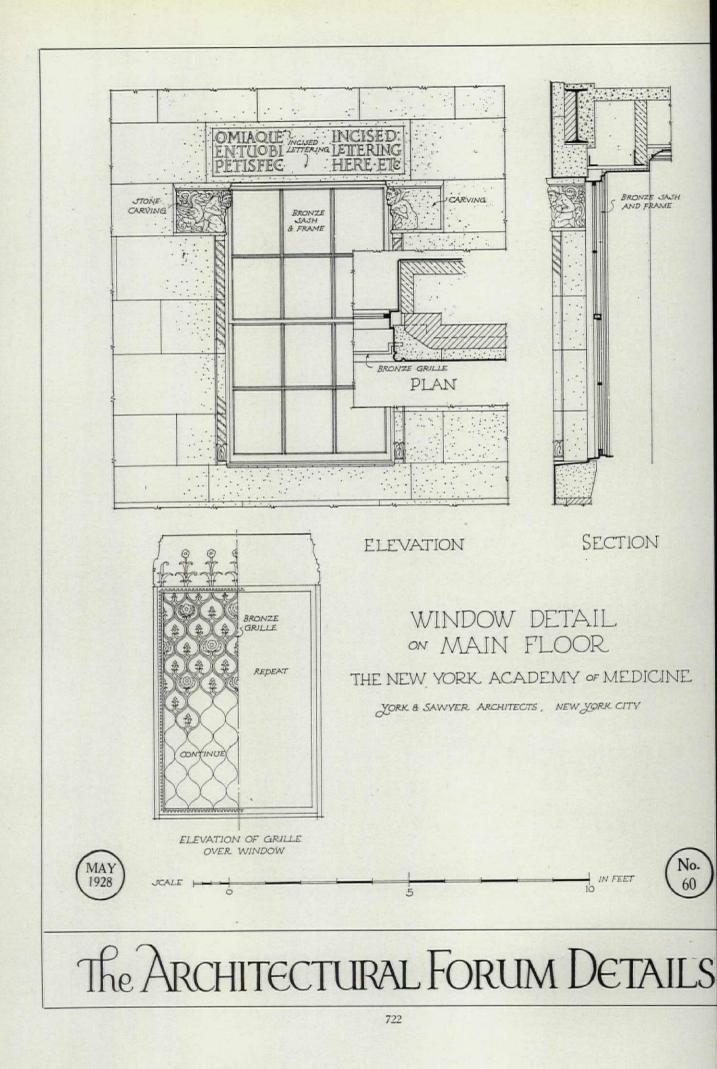
FIRST FLOOR

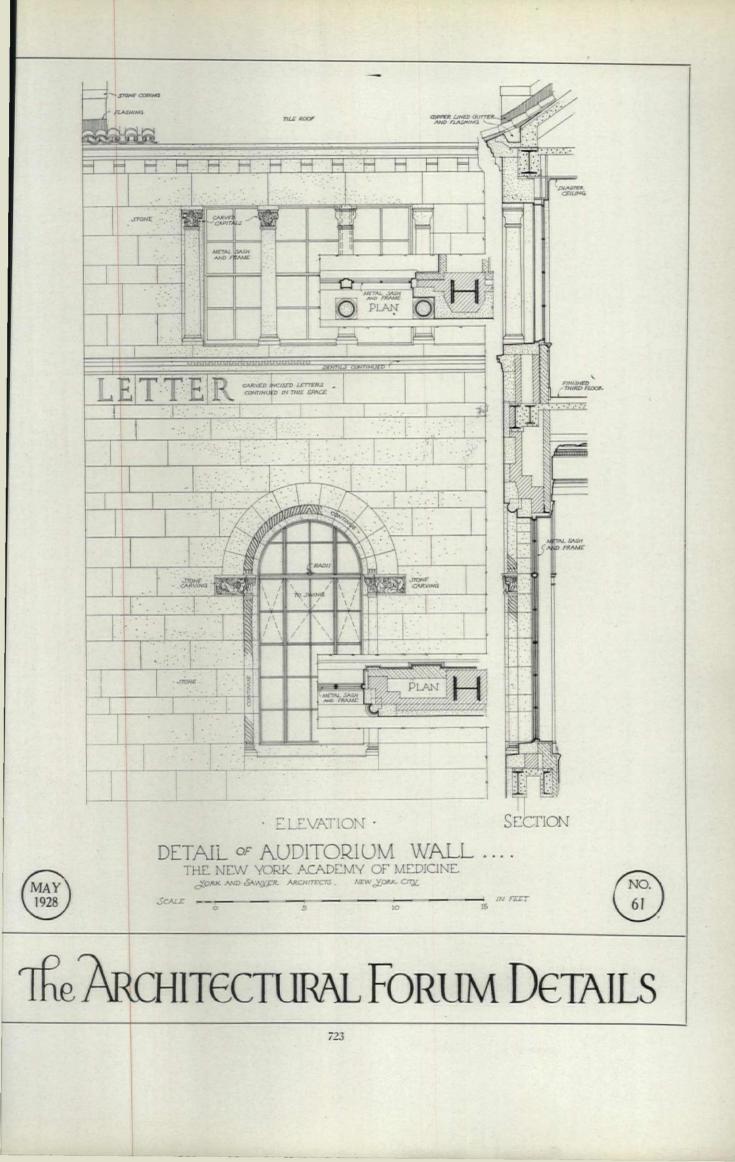
SECOND FLOOR

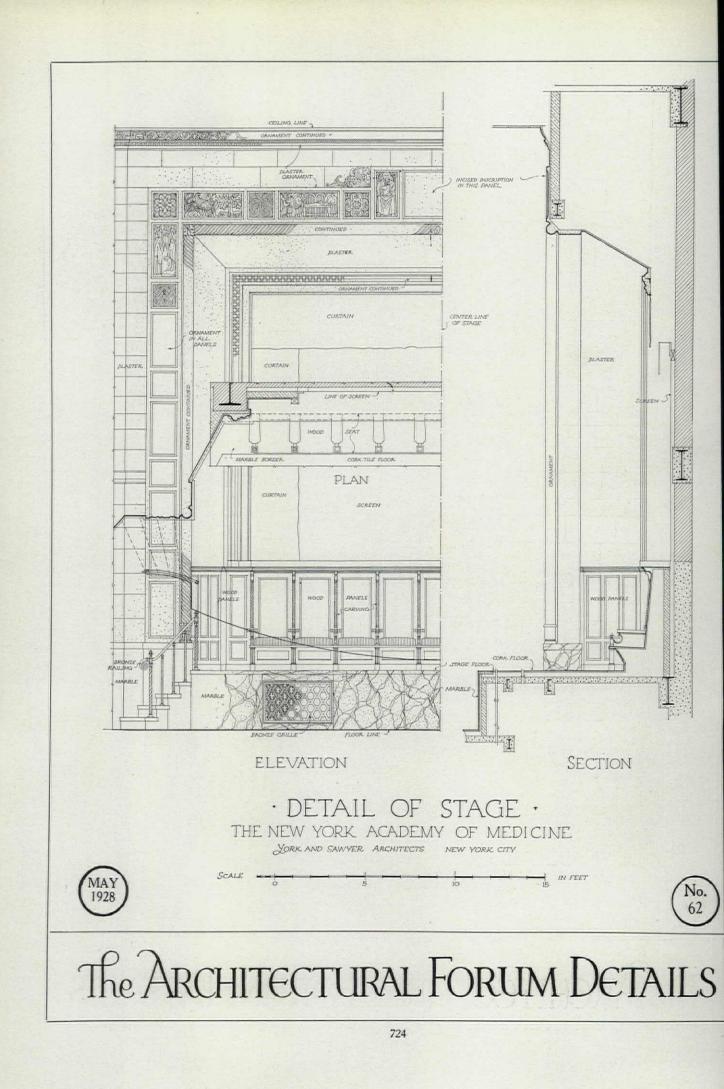


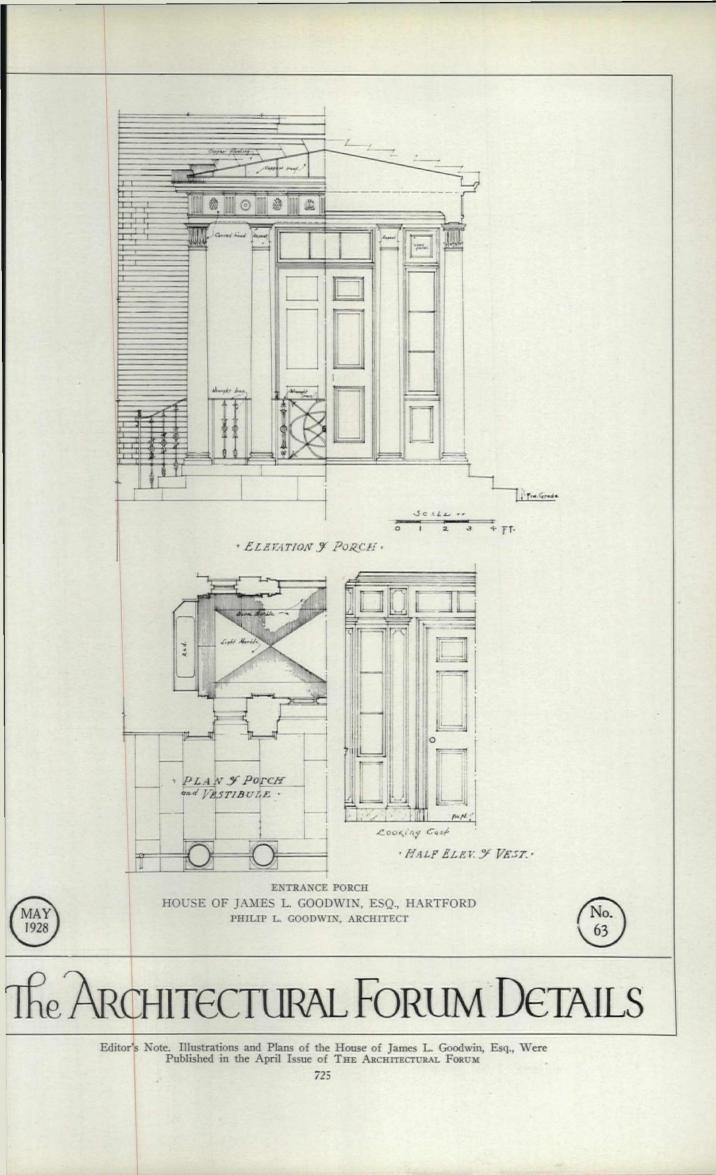
HOUSE OF STANLEY M. BABSON, ESQ., ORANGE, N. J. C. C. WENDEHACK, ARCHITECT

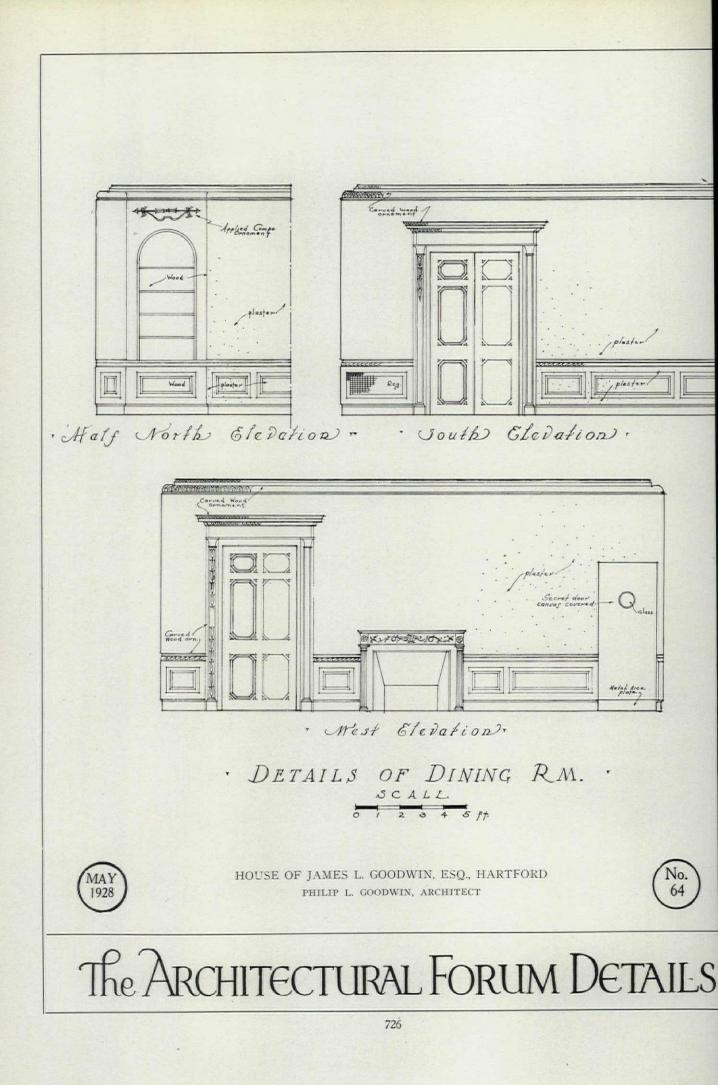


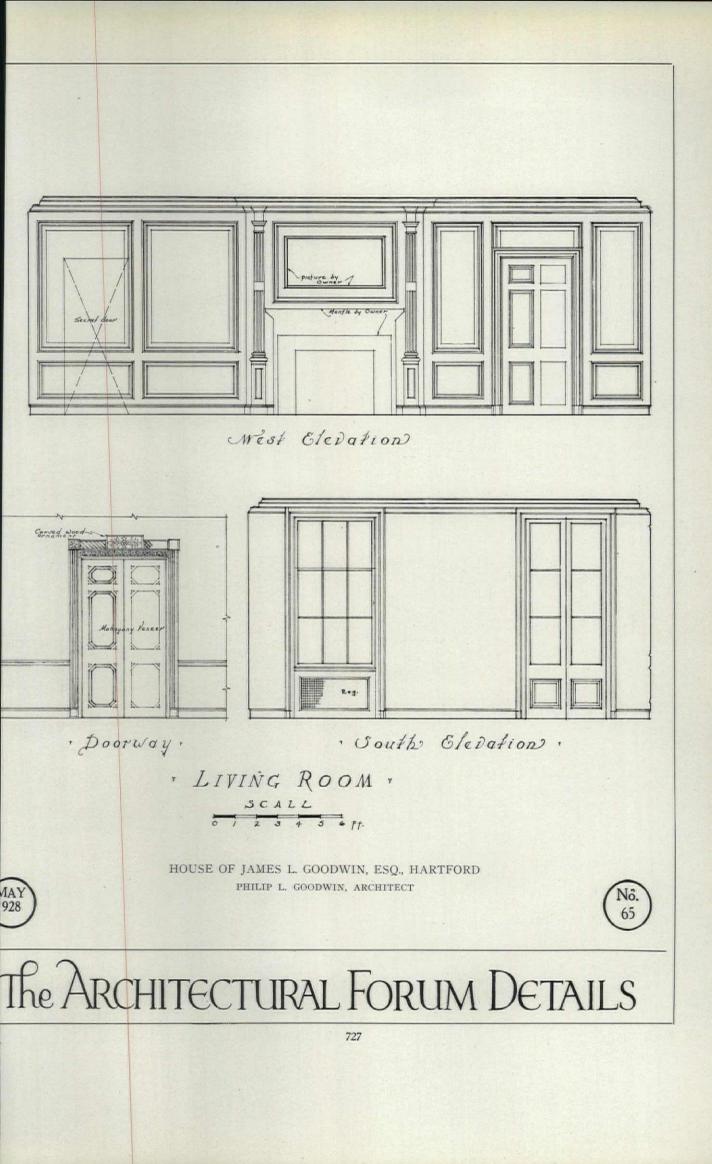


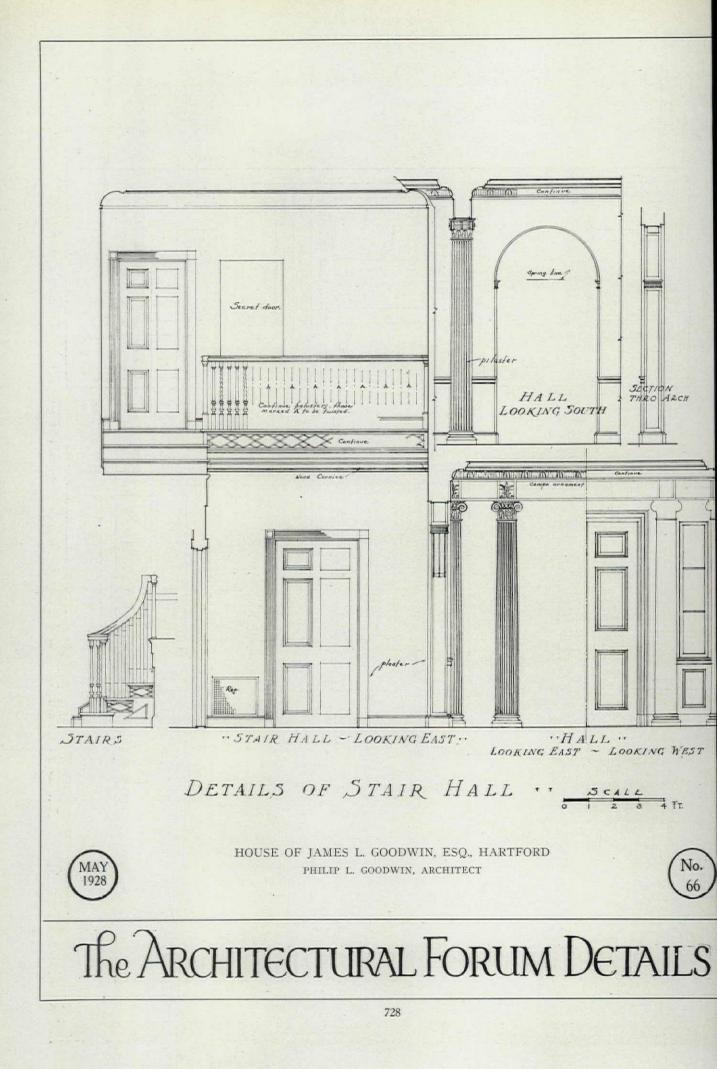








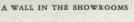




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\*

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## FRIENDLINESS

"Hall of Capen House" at the Metropolitan Museum illustrates cordial tone of all-wood construction

THERE is a room now on exhibition in the American Wing of the Metropolitan Museum which is called the "Hall of the Capen House, Topsfield, Mass."

The room is warm, friendly, wel-

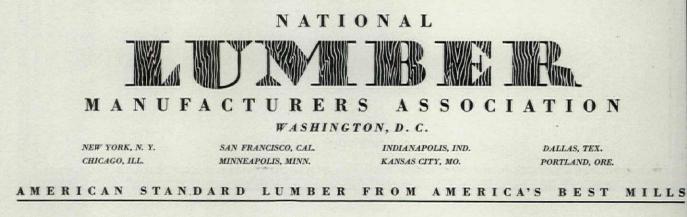
coming. It is typical of the simplicity of XVII Century construction in its rugged framing, but also, in such touches as the chamfering of the beam, the wide pine plank sheathing and moulded window mullions, and of the ease with which



harmonious decoration could be added to such rugged simplicity

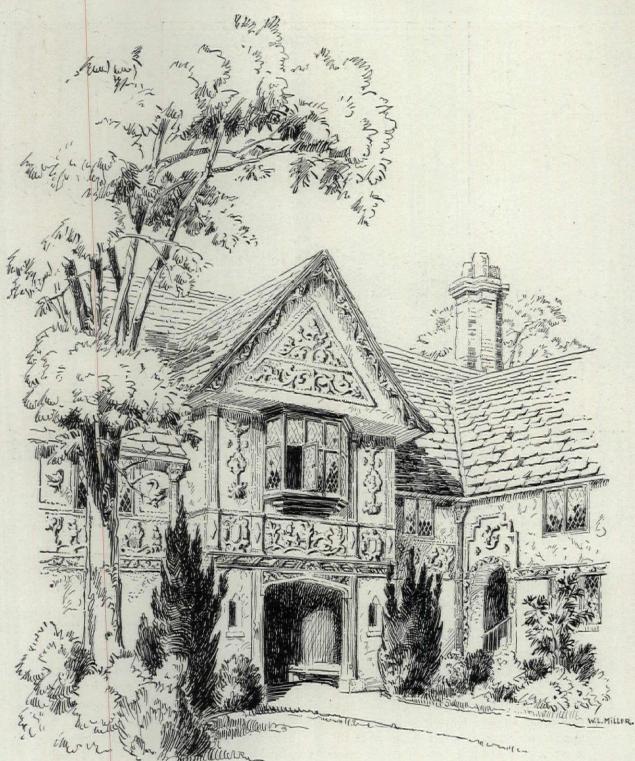
The "Hall" is an all-wood room Only wood, the "living", the friendly material could yield such a note o welcome. And again, with wood, the

easily carved and harmonious ornamentation car be accomplished . . . Wood is a natural resource which constantly renews its supply. You need never want for the right wood for every purpose and in American Lumber Standard sizes and grades



46

Part O



### Authentic Playter Ornament

House Exterior (PLATE 17)

Suggestion for Tudor house exterior. Cast cement ornament set in stucco to reproduce 17th Century hand modeled stucco. Ornament from our Book of Old English Designs.

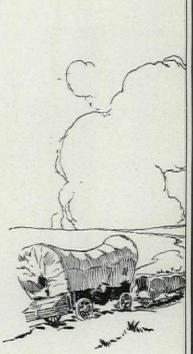
Jacobyon & Ompany 241 E44st., Rew York.

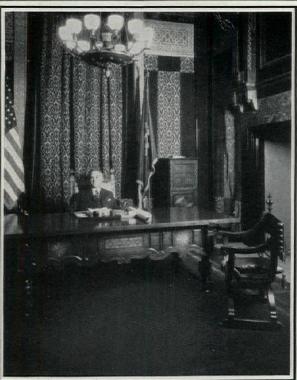
A sample of WOODKAST — the Jacobson composition material to simulate wood wainscoting — will be sent on request.

Los Angeles - JACOBSON & COMPANY, 119 South Alvarado St.

Montreal - THE RAINES CO. OF CANADA, 1008 Anderson St.

#### ARCHITECTURAL DESIGN







Part On

Governor McMullen's office in the new Nebraska State Capitol at Lincoln. Architects: Bertram G. Goodhue & Associates.

## Where once the covered wagons rolled

Soaring up above the prairies, reaching with its fair peak to the skies, yet planted four-square in the land of its makers, rises the new Nebraska State Capitol—chaste yet full of a youthful vigor; modern, yet devoid of distressing restlessness.

Of the thousands of Nebraskans who come to glory in this newest pride of their State, there are still many who knew Nebraska when it was but a wandering trail flung across the far reaches of its prairies.

Layman or architect—all find not the least of the Capitol's beauties in the warmth and tapestried figure of the American Walnut in which the interior is finished. As the one classic cabinetwood native to Nebraska—as it is to so many of our States—there is a pe-

> Name\_\_\_\_ Address\_\_

culiar appropriateness in the use of walnut for such an edifice. Many is the Nebraskan who, in decades past, might have pulled his covered wagon into the shelter of a great walnut tree—a tree which now has given its beauty to Nebraska's posterity as a part of its new Capitol.

Architects knew, in designing this building, as they have found so many times before, that American Walnut best blended the dignity and solidity of stone into the warmth and hospitality so needful in a home for the labors or the leisure of man.

You will find much that is suggestive and helpful regarding walnut's use in our booklet on "American Walnut for Paneling and Interior Trim." Send for your copy today.

AMERICAN WALNUT MANUFACTURERS ASSOCIATION Room 1610, 616 South Michigan Avenue, Chicago, Illinois Please send me "The Story of American Walnut" and "Walnut for Paneling and Interior Trim." Behrens-Urquhart Co. Decorators

# A Club Dining Room of Colorful Charm~

COLID walnut dining chairs by Kittinger, with bright green goatskin upholstery, have added the final touch of beauty and distinction to this superbly appointed dining room in the Queen City Club of Cincinnati.

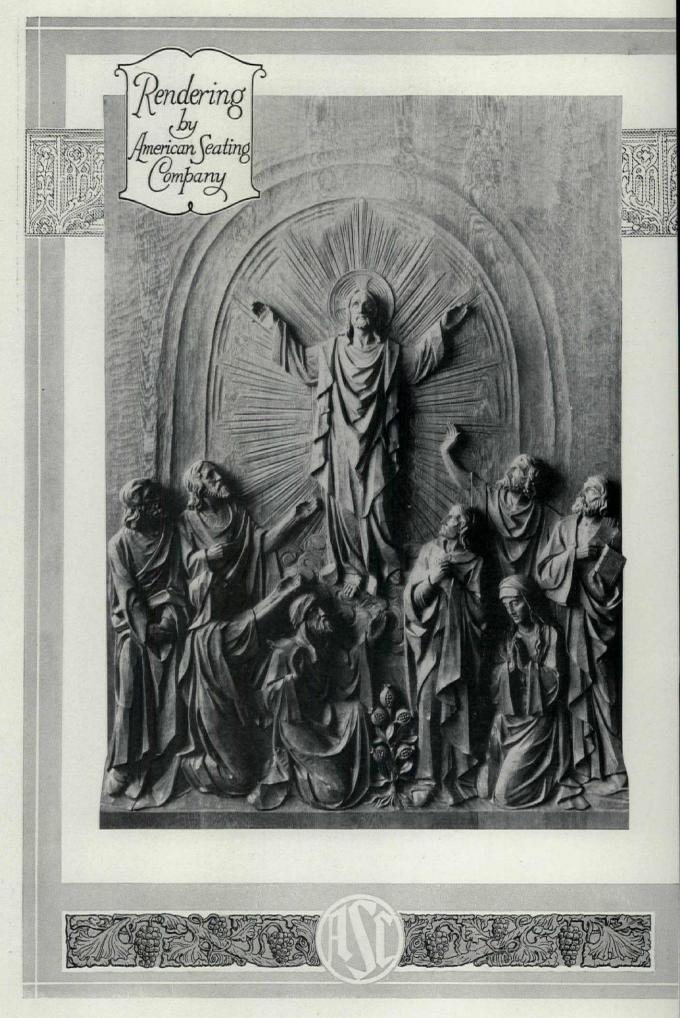
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For over sixty years makers of fine furniture in solid woods only - . principally Walnut, Mahogany and Oak. KITTINGER Distinctive Furniture

#### ARCHITECTURAL DESIGN



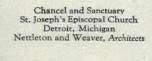
Part C

lay, 1928

#### THE ARCHITECTURAL FORUM



Altar and Reredos with carved panels The Nativity and The Ascension



## 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 exactingly 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 detail is but part of "American" rendering.

# American Seating Company

1094 Lytton Bldg., Chicago 620—119 W. 40th St., New York City • 1211-T Chestnut St., Philadelphia 79 Canal St., Boston 51



GRACE EVANGELICAL LUTHERAN CHURCH, CLEVELAND, OHIO CORBUSIER AND FOSTER, ARCHITECTS

### Because the Architect Creates Beauty

 $H^{E}$  will recognize how a chancel by Kundtz, beautifully blends into the atmosphere of splendid dignity manifest in the Grace Evangelical Lutheran Church, Cleveland, Ohio.

Choice woods selected for their beautiful grain, ..... modern skilled artisans who know how to build into church furniture the age-old traditions and deep symbolism that have endured since the days of Christ, ..... these are the reasons why architects specify Kundtz Church Furniture.

The Theodor Kundt: Gompany Gleveland, Ohio. CHURCH, AUDITORIUM AND ECLIPSE SCHOOL FURNITURE

52

Part O

Aay, 1928

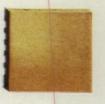
A beautiful, cheery breakfast nook with floors and walls of colorful Romany Quarry Tiles adds greatly to the zest of the first meal of the day. And even after years of service, the nook will retain its fresh, cozy, spotless appearance—the floors and walls unmarred and unscarred by time and wear.

UNITED STATES QUARRY TILE COMPANY Parkersburg, West Virginia Member, Associated Tile Manufacturers



#### Field Pattern No. 1586

These are Romany Rainbow and Romany Red Tiles reproduced direct from the original. The colors in any shipment of Romany Rainbow Tiles range from russet through the tans to a delicate green and when laid present a medley of golden shades.



Romany Rainbow



Romany Red





Romany Grey

ROMANY QUARRY TILES are an American product





A genuine achievement in Knotted Rugs is this exquisite new Aubusson, now being exhibited at the Whittall Salon, 5 East 57th Street, New York City.

### A new fabric — that speaks every language

**F**ROM the bizarre modern designs to the flowered floor coverings of old France. What greater proof could you ask of the flexibility and linguistic dexterity of Knotted Rugs by Whittall?

In design, coloring and texture, this delightful example of the romantic influence is as distinctly French as was Louis himself.

This beautiful Aubusson may be seen at our new Salon together with other examples of the ease with which any design, regardless of theme, nationality, or size, may be immortalized in this almost deathless fabric—a new art that was born in the early centuries, and only now reaches maturity. Of especial appeal are the rugs in the new solid colors.

The new Whittall Salon, at 5 East 57th St., New York City, is the only place in the world where Knotted Rugs by Whittall are exhibited.



Part On



#### THEO. HOFSTATTER & CO., Decorator

# Architects No Longer Hesitate

to suggest plaster ornament

for moderate priced homes.

THERE is a new movement on foot in American architecture. The plasterer's art is coming into its own.

Ten years ago the average architect, though he himself of course knew the decorative possibilities of plaster, was met by a complete lack of understanding of it on the part of the home builder. Now this condition is rapidly changing. Just the other day an architect, in discussing the modern trend of public taste, remarked: "We are specifying plaster ornament freely. Only last week we finished a moderate priced home for a delighted client. The treatment was Georgian throughout, and with a few plaster pilasters and pediments in the

able at moderate cost in all parts of the country. whole main floor was given an air of guit dignin. It's a job of which our all parts of the country.

quiet dignity. It's a job of which our office is truly proud." Today the six firms listed below, in the interest of a wider appreciation of plaster

interest of a wider appreciation of plaster ornament, are acquainting the most discriminating section of the public, through the medium of such magazines as *House* and Garden, with the real possibilities of this art-material—with special reference to how it can be used in moderate priced homes with unusually pleasing effect Pre-eminent in the field stand these six firms, through whose catalogues correct plaster ornament is quickly available at moderate cost in all parts of the country.

Models for thousands of designs, ranging in period from Classic to Modern, are always on hand—a wealth of ornamental material from which to choose. Each of the firms, too, employs draftsmen trained in the use of ornamental plaster, and always ready to cooperate in developing new designs and adaptations, and indicate costs.

\* \* \* \* \* :

Architects and Decorators are invited to write to each of the six firms listed below for their individual catalogues.



55

Part One



#### Trinity Evangelical Lutheran Church Astoria, L. I., N. Y. George Conable, Architect

IN this notable church, this organization executed and installed all seating and chancel woodwork, as well as the Narthex Screen, achieving a perfect consummation of the architect's conception.

Through the arch below may be seen one of the 12-inch carved angel figures which surmount the finials of the choir stall ends.

For complete details of this and other installations, address Department F.

DE LONG FURNITURE CO. 1505 Race St., Philadelphia, Pa.

FURNITURE BY DE LONG FOR CHURCHES · LODGE BUILDINGS · PUBLIC BUILDINGS



N OUR galleries the architect and decorator may view a very choice collection of 18th century French, English and Italian furniture. These pieces include many antiques of exceptional merit as well as faithful reproductions which have been manufactured with a particular consideration for the rigors of the American climate.

### cassard romano company, inc

formerly MERCIER FRERES 232-236 East 59th Street. New York City

PARIS CHICAGO 61 Av. Phillipe Auguste 7216 Beverly Blvd. 155 E. Superior St.

LOS ANGELES

Part Or

#### ay, 1928

#### THE ARCHITECTURAL FORUM



New York Galleries, Inc., Decorators

R ship between furniture forms and architecture, clients consult their architects in matters of decoration, furniture, lighting, fabrics and other appointments.

 $\mathbb{Q}$  At such a time the cooperation of this establishment can be of assistance to both the architect and his client.  $\infty$  There exists here the ideal combination of an experienced decorating staff with a *producing* organization capable of completing an interior in all of its physical as well as its esthetic aspects.  $\infty$ 

I The furniture made in our workshops has

won the reputation among connoisseurs of being unsurpassed in this or any other age. In addition, there is constantly on view a notable collection of antiques representing three centuries of European culture.  $\infty$  These authentic examples may be supplemented by pieces designed for special requirements and fabricated from ancient woods and other harmonizing materials.  $\infty \quad \infty \quad \infty \quad \infty$ 

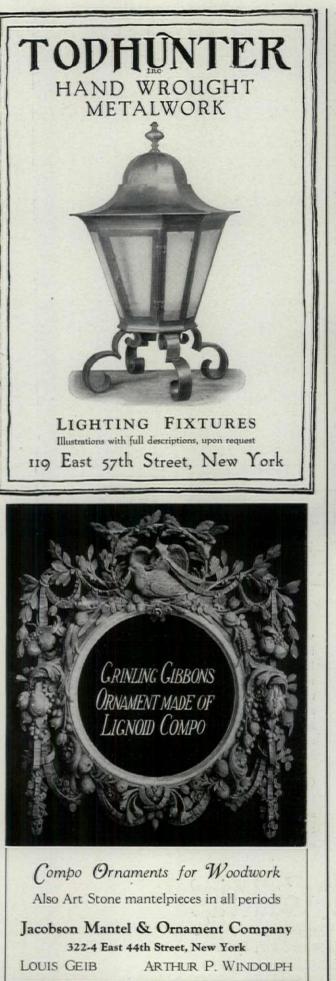
 $\P$  With a view to establishing business relations with the profession, we invite architects to visit the Galleries and utilize the services available here to whatever extent their judgment dictates.  $\gg \infty \gg$ 

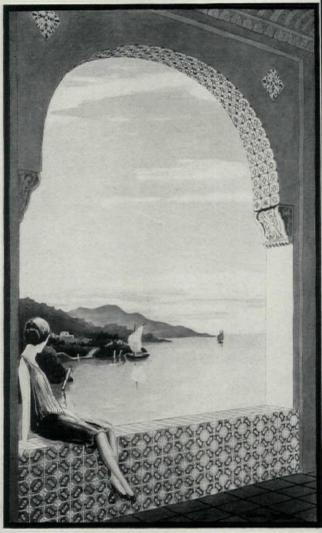


© 1928 N.Y.G

#### ARCHITECTURAL DESIGN

Part On





For the Mediterranean Note—Kraftile High Fired Faience in authentic Moorish, Saracenic and Persian designs.

### Kraftile is Monolithic Faience Tile

It is produced by the exclusive Kraftile process; the glaze being burned at the same time as the body, in one firing at a tremendously high temperature.

Result; a crack-proof, craze-proof, wear-proof faience tile—suitable for walls as well as floors. In plain colors and decoratives.

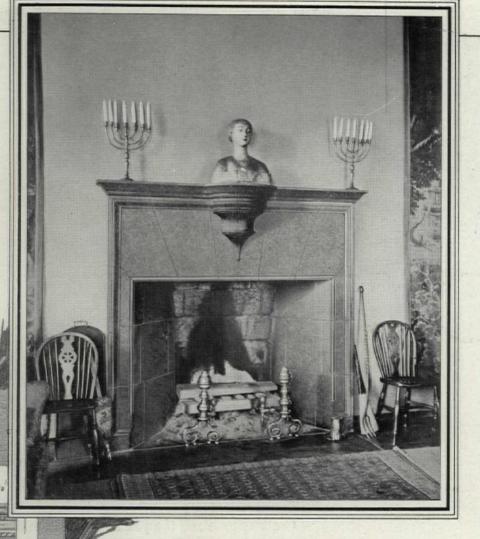
Our new catalog is now ready.



KRAFTILE CO: Main Office & Display Rooms, 55 New Montgomer; St., San Francisco. Los Angeles Display Rooms & Warehouse, 4963 Sun set Blvd., Hollywood. Chicago Office & Warehouse, 20 West Austin Ave Iav, 1928

Defail as . 1900

#### THE ARCHITECTURAL FORUM



61

### EXPRESSIVE IN TONE AND TEXTURE

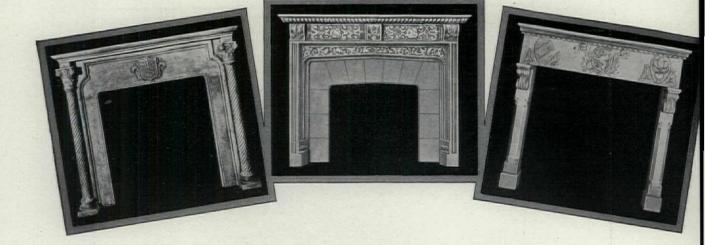
The mantle and fireplace pictured above are indicative of the simple dignity and artistic beauty which can be achieved with Alberene Stone. The soft blue-gray of the stone emphasized by the fire markings on the lining—the smooth surface—the firm texture—against the soft wall tone, make a picture of restful simplicity, yet rich in suggestion. Address Alberene Stone Company, 153 West 23rd Street, New York, for the catalog

-and samples, if desired.

LBERENE

A NATURAL STONE OF DIVERSIFIED ARCHITECTURA

Part Or



# CRETAN STONE

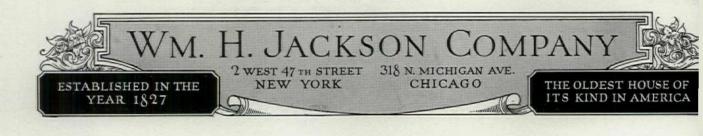
Many of these mantels offered in Cretan Stone were reproduced from rare antiques sent to us from France and England. Because of the soft and subtle hues of Cretan Stone and the painstaking workmanship entering into their making, the reproductions often possess a charm almost equal to that of the originals.

GHE leading House in America for Modern and Antique Mantels— Andirons — Fireplace Fittings—Stone and Marble Garden Furniture— Ornamental Bronze and Iron Work.



Cretan Stone was developed in our own laboratories with the prime object of producing a high-quality, yet economical, mantel stone. It is extremely hard and durable, although light in weight—quite important a feature in shipping and installing.

Cretan Stone Mantels are available in an unusually large variety of designs and sizes, in motifs that are modern or fashioned after the most popular Periods. They may also be made from the architect's own detail. Send for prices, illustrations and full particulars.





Floor laid in "U.S." Tile types T-14 and T-18, with cove and border of T-14. Wainscoting in T-18

WHAT more appropriate floor for this sun-flooded kitchen and breakfast-nook than these cool green and white squares of "U. S." Tile—with wainscoting to match? Richly colorful—these remarkable floors of resilient rubber combine decorative beauty with outstanding practicality. "U. S." Tile is durable, noiseless, comfortable and easily cleaned. Its shining surface retains its beauty with minimum upkeep expense and labor. "U. S." Tile is the perfected result of more than a quarter of a century experience by the United States Rubber Company in building fine floors of rubber. Our latest architectural catalog in full color is now on the press. May we send you a copy for your files?

UNITED- · STATES

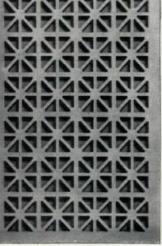
· RUBBER · COMPANY

#### ARCHITECTURAL DESIGN

FERROCRAFT As An Appointment In The Home



ALTHOUGH Ferrocraft Grilles are used commercially on an extensive scale, they are not confined to this alone. Their application covers an even wider field — that of serving within the confines of the home. They possess the qualities that make it so. Each grille for heating or ventilating that is *cast* in Ferrocraft is a task well done. The special formula of Ferrocraft



Special Design No. 255, finished in Verde Antique, is the Ferrocraft Iron Grille installed in the above interior. This is the residence of Mr. G. R. Larkin, Castle Frank Road, Toronto, George, Moorhouse & King of Toronto, Architects.

iron, brass and bronze was perfected solely to meet the demands of quality. The faultless workmanship in executing design and finish is but an indispensable function in upholding a reputation. Architects and Decorators are invited to write for reproductions of the Special Designs available in Ferrocraft, or to communicate with us concerning their special needs.

Part One

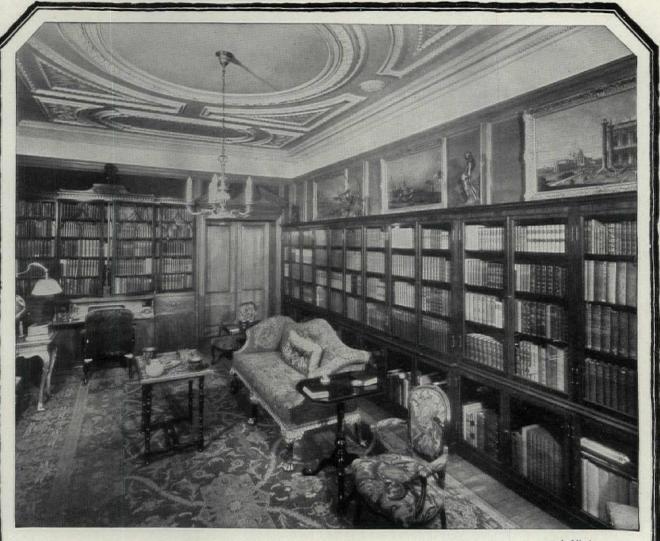


### TUTTLE & BAILEY MFG. CO.

Specialists in the Heating and Ventilating Field for 82 years441 LEXINGTON AVENUENEW YORK CITY

64

#### THE ARCHITECTURAL FORUM



Architects Hodgens & Hill Philadelphia, Pa.

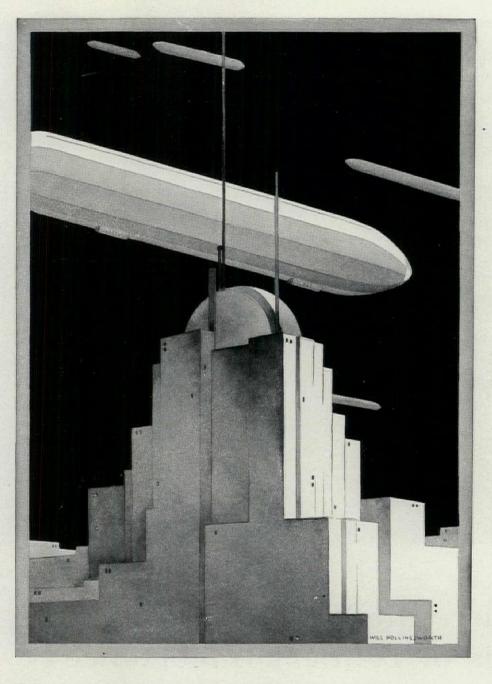
### Where the Woodworking Detail is of Primary Importance

In residences of the better class the architect relies, to a large extent, upon the woodworking detail for the successful interpretation of his original conception. The importance of this phase of the contract should not be under-estimated—an unsympathetic or inaccurate treatment will completely ruin the most skilful design.

# GEORGE W. SMITH WOODWORKING CO. Architectural Woodwork

51 ST AND GRAYS AVE.,

PHILADELPHIA., PA.



JUST as the finished structure which the architect creates must be *a unity*, a finely conceived blending of design and purpose, so, too, each raw material the architect uses must be in itself a *finished structure* possessing a finely controlled unity of fabrication and behavior. Du Pont achieves this highly desirable result in the making of paints as a result of a century-old understanding of how harmoniously the processes of manufacturing and chemical research can be

made to function.

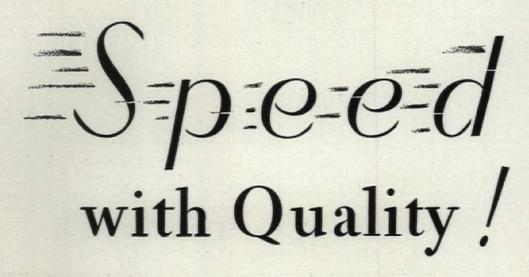
Inquiries regarding du Pont paints, varnishes, enamels and other pigment products are invited. The Architectural Division is equipped to deal intelligently with special problems of application, decorative effects, and technique.



E. I. du Pont de Nemours & Co., Inc., Independence Square, Philadelphia; 2100 Elston Ave., Chicago; Everett Station No. 49, Boston; 569 Mission St., San Francisco. Exhibit at Architects Samples Corp., 101 Park Ave., N. Y. City.

PAINTS... VARNISHES... ENAMELS

May, 1928



ARCHITECTS everywhere made this demand.

Slow drying varnishes retarded occupancy. The ordinary speed varnish was a liability — uncertain — unsatisfactory.

Valentine produced speed varnishes of quality. Two years of research were needed to perfect speed varnishes to the degree required by Valentine's reputation for quality and dependability. Then they were tried and proved by professional painters themselves before putting them on the market.

Although comparatively new to architects, they are <u>literally</u> time-tested products. Speed varnishes of *known* superior quality. Two coats can be applied in a single working day.

#### FOUR-HOUR

#### FLOOR VARNISH

An extremely pale, easy working, free flowing varnish that dries *bard*, ready for use or second coat in 3 to 5 hours. Exceptionally resistant to soap and water.

#### FOUR-HOUR

#### INTERIOR VARNISH

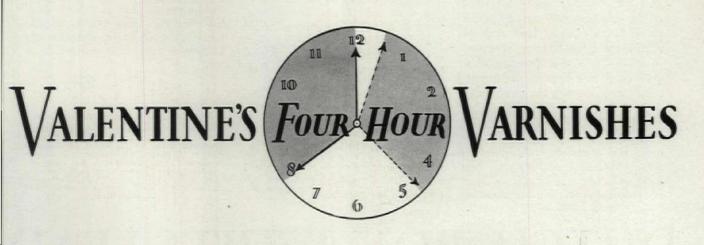
The very finest varnish obtainable, providing an exceedingly durable finish for interior trim, cabinets, etc. Dries *hard*—ready for second application in 3 to 5 hours.

VALENTINE & COMPANY, 386 Fourth Avenue, N.Y.C.

Chicago: 2500 Prairie Ave.

#### W. P. FULLER & CO., Pacific Coast

Boston: 49 Purchase St.

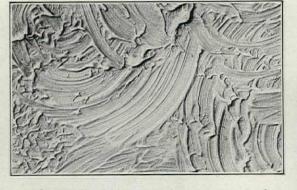


#### ARCHITECTURAL DESIGN

Part One

A straight-edge trowel, moved with a simple twisting motion of the wrist—and this handsome design results...





A beautiful and interesting plastic paint textured finish achieved by use of a sponge moved in a circular fashion to produce a swirl design . . .

The

An ordinary paperhanger's roller drawn over the plastic paint and this distinctive pattern is obtained . . .



# RESTRAINT of a Painted Wall The DISTINCTION of Hand-worked Plaster ... with this white-lead and oil plastic paint !

Another example of the adaptability of Dutch Boy whitelead and Dutch Boy flatting oil—now in plastic paint finishes of modified texture ...

THE architect knows about paint finishes made with Dutch Boy white-lead . . . how adaptable white-lead is . . . the many effects in color . . . design . . . finish that may be obtained.

But here is a new use. For now you may specify white-lead and oil for *plastic paints* also. The same reliable white-lead and oil architects have always specified —mixed to a new formula that will result in a heavier body suitable for producing textured walls.

#### The new trend

Today there is a noticeable trend away from the extremely rough-textured treatment to the modified forms. And with this plastic paint the architect may now answer popular demand. For this new medium meets the needs of fashion in decoration.

Furthermore, it allows him the fullest expression of his individuality in the subdued yet beautiful modern effects . . . having the restraint of the painted wall with the distinction of hand-worked plaster.

This new type of plastic paint produces, when manipulated, a modified type of texture that makes it universally applicable for use in side wall decoration. It is in keeping with the desire for a type of effect midway between the smooth plaster and very rough textured finishes.

The formula for mixing white-lead and oil plastic paint is: 100 lbs. Dutch Boy white-lead; 22 lbs. dry whiting;  $1\frac{1/2}{2}$  gals. Dutch Boy flatting oil; 1 gill drier. Break up the paste white-lead and dry whiting separately by mixing each with  $\frac{3}{4}$  gal. flatting oil. Pour

both into same container, add drier. The plastic paint is then ready for application.

#### Advantages

Plastic paint made with Dutch Boy white-lead and oil is inexpensive. It is easy to prepare, on the job, from materials the painter now has in his shop. It is easy to apply, brushing out smoothly. It sets rapidly—overnight. It may be tinted with regular colors-in-oil. The finish is thoroughly washable, being fairly smooth and made from an oil paint. When textured the paint is complete as a finish, without an additional glaze coat. It is a beautiful and unique treatment.

#### Write for information

The illustrations give but a few of the almost endless variety of designs that the architect may secure. If you are interested in this new use for Dutch Boy white-lead and oil, write us. We will be glad to send further information. Address your inquiry to the Department of Color Research and Decoration, care of our nearest branch.

Save the surface and you save all - Many, Janual

NATIONAL LEAD COMPANY New York, 111 Broadway. Boston, 800 Albany Street. Buffalo, 116 Oak Street. Chicago, 900 West 18th Street. Cincinnati, 659 Freeman Avenue. Cleveland, 820 West Superior Avenue St. Louis, 722 Chestnut Street. San Francisco, 235 Montgomery Street. Pittsburgh, National Lead & Oil Co. of Pa., 316 Fourth Avenue Philadelphia, John T. Lewis & Bros. Co., 437 Chestnut Street

DUTCH BOY WHITE-LEAD

#### May, 1928

THE CURTIS

D. S. Gutta Percha Paint Coepany Providence, Rhode Island

thi

nd bath

d of an

Yours very truly, CURTIS HOTEL COMPANY

Melony

r 4th, 1927

opportunity to honestly

The splendid Curtis Hotel at Minneapolis, where Barreled Sunlight has proven the most practical for interior painting — as evidenced by the letter at the right

# "We are glad of an opportunity to honestly recommend Barreled Sunlight"

LFM:0

HOTELS today are more particular about interior painting than ever before.

Scores of the finest—like the Curtis at Minneapolis—have expressed their pleasure in the lasting good looks and cleanliness of Barreled Sunlight on walls and woodwork. The same is true of fine hospitals—schools—office buildings—fine homes.

Barreled Sunlight Gloss gives a rich enamel finish with a depth peculiar to itself. It has remarkable freedom of flow, whether applied by brush or spray. And its surface is so satin-smooth it washes like tile without wearing away.

When used in the pure white

Barreled Sunlight is guaranteed to remain white longer than any gloss paint or enamel, domestic or foreign, applied under the same conditions.

Barreled Sunlight Flat produces a finish extremely handsome and uniform.

Barreled Sunlight Semi-Gloss strikes a nice balance between the Gloss and the Flat.

Sold in large drums and in cans. For priming, use Barreled Sunlight Undercoat.

See our complete catalog in Sweet's Architectural or Engineering catalog. Note coupon below.

U. S. Gutta Percha Paint Co., 3-E Dudley Street, Providence, R. I. Branches: New York— Chicago—San Francisco. Distributors in all principal cities.

#### White or easily tinted

By simply mixing colors in oil with Barreled Sunlight white, the painter on the job can easily obtain any desired shade. In quantities of five gallons or over we tint to order at the factory, without extra charge. For tinting small quantities our dealers carry handy tubes of Barreled Sunlight Tinting Colors.



Barreled Sunlight

3-E Dudley Please sen Architects."	TA PERCHA I Street, Provider d me your book and a panel po minterested in t	let,	R. I "In ed y	format with B	arrele	ed
Gloss (	Semi-Gloss	(	)	Flat	(	)
Name						
Street						
City		State	e			

70

Part On

The preferred wood finish where the surface is to be permanently beautified and preserved

### <sup>66</sup> 38" PRESERVATIVE VARNISH

AT 666 Lake Shore Drive, Chicago, stands this 32-story structure — the American Furniture Mart. Originally but 16 stories in height, the increased floor space gained in a substantial addition makes this building one of the largest in the world and provides exhibition facilities on a mammoth scale for the entire furniture industry.

One of the factors contributing to the effectiveness of these displays is the beautifully finished wood trim. About 400 gallons of "38" Preservative Varnish were used in the decoration of the recent addition.

"38" Preservative Varnish is to be found on the interiors of thousands of



AMERICAN FURNITURE MART, CHICAGO

fine buildings and homes throughout the United States and Canada. Its deep, full body, waterproofness, durability and easy rubbing qualities make it the preferred finish where the surface is to be permanently beautified and preserved.

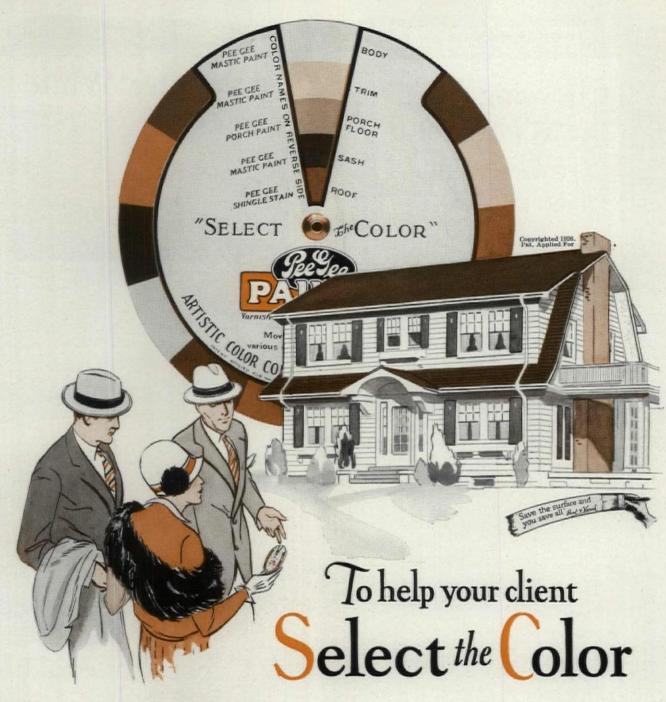
There is a Pratt & Lambert Varnish Product tha specifically meets every finishing requirement. The member, of the P&L Architectura Service Department will be glad to help you with any finishing problem.

Write Pratt & Lambert-Inc., 122 Tonawanda St., Buffalo, N.Y. Canadian Address: 34 Courtwrigh St., Bridgeburg, Ontario.

> "Save the surface and you save all "Bint Vienish

PRATT & LAMBERT VARNISH PRODUCE

Vitralite The Long-Life Enamel Available in gloss and eggshell finish, in white and six attractive tints. It produces a porcelain-like finish of rare beauty and is so durable that it is guaranteed for three years inside or outside. It is specified by architects on modest homes and large city buildings. May, 1928



THEIR HOME is ready for the finishing touches. You are all agreed that only paint of recognized quality should be used—then comes the problem of selecting the colors—much is at stake in this decision.

The Pee Gee Color Selector will bring a quick and favorable decision.

Fifteen complete groups of complementary colors are shown, affording perfect harmony from the roof down to the foundation line. The beauty of your work is enhanced.

There is a Pee Gee Color Selector for both exteriors and interiors—either will be sent upon request.

Since 1867 the Pee Gee trademark on a can of paint has symbolized quality-there is none better.

PEASLEE-GAULBERT COMPANY

Incorporated LOUISVILLE-



71

Made

Since

LINTON

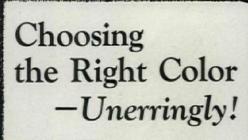
#### ARCHITECTURAL DESIGN

Made

Since

1887

Part One



Nature's Permanent Mineral Colors

OLOR, as every architect knows, is hard to vizualize. Even experienced colorists find it so. The painter, for instance, mixes and daubs and mixes again, until he achieves perfection for his purpose. In short, he experiments.

Architects imbued with the modern feeling for color and anxious to make effective use of it in their brickwork will find it profitable to follow this trial method of the artist. That they may be able to do so conveniently and successfully, leading architects have come to depend upon the Clinton Mortar Color Experimenter.

This ingenious device allows them to test their color schemes quickly and positively by laying up panels. By changing the color of the mortar joints they are able to study various combinations until satisfied.

If you are using color in your designs - and what architect is not, these days?—you too will want the Clinton Mortar Color Experimenter. You may have it free!

CLINTON METALLIC PAINT CO. 458 Clinton Road, Clinton, N.Y.

linton Mortar (olors



View of Part of New Estate of Marshall Field, Esq., Lloyd's Neck, L.I., New York. John Russell Pope, Architect, New York City. 600 gallox Cabot's DOUBLE-WHITE used on all exterior walls, fences, etc.

This white is so dazzlingly white-whiter than white lead, white as new fallen snow, that some people actually ask us to tint it yellow so as to look more natural to them.

> But when you want white WHITE This is it!



Cabot's Shingle Stains

COUPON Mass. Offices also i Philadelphia, Los As

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Address

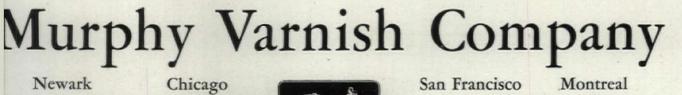


"Good Architecture pays" 73

THIS is the 18-story Nissen Building at Winston-Salem, North Carolina. The architect is Mr. W. L. Stoddart of New York.

The painting contractors are George D. Cornell Co. of Winston-Salem, and the interior finish is Murphy Transparent Interior Varnish, that highly transparent enduring varnish of great covering capacity which has been the standard for fine interior varnish for the past half-century.

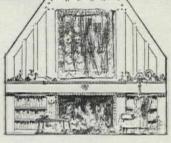
Wood surfaces treated with this superb product retain their beauty almost indefinitely.



# An *all*-timbered half-timbered hom

—and it might be in Normand





74

What could be more charming than this front entrance?

> This very livable living room is paneled with West Coast Hemlock. It has wood trasses and shows the paneled construction



#### Awarded first mention in the West Coast woods architectural competition

THE architect designed this very attractive house to reproduce—with West Coast woods—the charm of the cottages of Northern France... with their steep pitched roofs, timbered walls, carved beams and many other pleasing exterior and interior details.

The unusually attractive *all*-timbered halftimbered effect is obtained by the use of adze-surfaced wide Douglas Fir battens over Douglas Fir plank. Frame of Douglas Fir or West Coast Hemlock. The battens to be stained darker than the panels, with rottenstone dusted over all.

> We will be glad to send you, without charge, a brochure of the designers' sketches and construction suggestions for this and many other of the designs submitted in the West Coast Woods Architectural Competition, together with a book describing the four outstanding woods of the Douglas Fir region. Address West Coast Lumber Bureau, 215 Mt. Hood Building, Longview, Washington.

> > Douglas Fir Lumber Supply

Important West Coast Woods-Douglas Fir - West Coast Hemlock - Western Red Cedar - Sitka Sp

Roof is of vertical grain Western Red Co shingles or shakes with doubled ridges eaves, and laid with a gradually lesser weather exposure as they near the ridge fastened with zinc coated or copper nail insure a permanent roof.

Interior paneling of West Coast Hemle Beams and posts of Douglas Fir—all to stained and antiqued. The entrance hall stair rail of Douglas Fir with sand-etc design.

Living room to have exposed trusse Douglas Fir. Dining room paneled in W Coast Hemlock—ceiling beamed with sa etched Douglas Fir. Bedrooms in Douglas West Coast Hemlock or Sitka Spruce.

Floors to be of wide Douglas Fir or W Coast Hemlock, pegged and grooved, stained dark brown.

Part C





# Part FURNITURE Part HOUSE

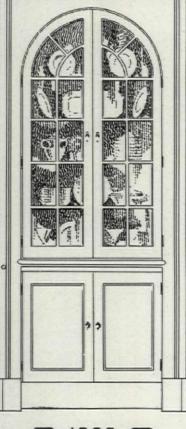
urtis Cabinetwork is the conecting link between the strucure of the house itself and its aterior furnishings . . . Thereore it comes within the province of the architect

THERE is much talk these days about modern art. The magazines re full of it. One of the most intersting features of the new style of rchitecture is the use it makes of uilt-in furniture. Sometimes even eds are built-in.

The idea of built-in furniture is not new. On the contrary, it is very old. There were built-in cupboards and hests long before chairs were inrented.

But the modernists are doing a great deal toward stressing the fact hat cabinetwork is part furniture and part house. They are showing how tharming architectural ensembles can be produced only when the interior itments as well as the structural members of a house are harmonious in style and character. They distrust the competence of the ordinary interior decorator, who is too often only a graduated paper hanger, or even of Grand Rapids, to carry through on the architectural key in which the house is styled.

Architects who work in the more



# 

Corner cupboards like those illustrated here are only one of the many items of Curtis Cabinetwork which architects can use to give architectural character to their interiors. The large illustration shows design C-6511, which can be had at retail from \$50.30 to \$56.59, depending on where delivered; freight added in western territories

conventional forms can profit from the example of the modern school. And with Curtis Cabinetwork they can carry out their fondest designs in their interior architecture. Curtis Cabinetwork offers many opportunities for distinctive effects. Open bookshelves can be built around fireplaces, under windows and across whole walls . . . quaint corner cupboards strike the keynote for the furnishings of the dining room . . . charming dining alcove sets, like oldtime highback settles, bring livability to the service part of the house . . . and spacious kitchen cupboards, handsomely proportioned and beautifully molded, turn the workshop of the home into a pleasant living room.

Every piece of Curtis Cabinetwork is constructed of as sound materials and with as painstaking workmanship as you usually get in only fine furniture. The designs are detailed expressly for manufacture by Curtis in the office of Frederick Lee Ackerman, architect, New York City.

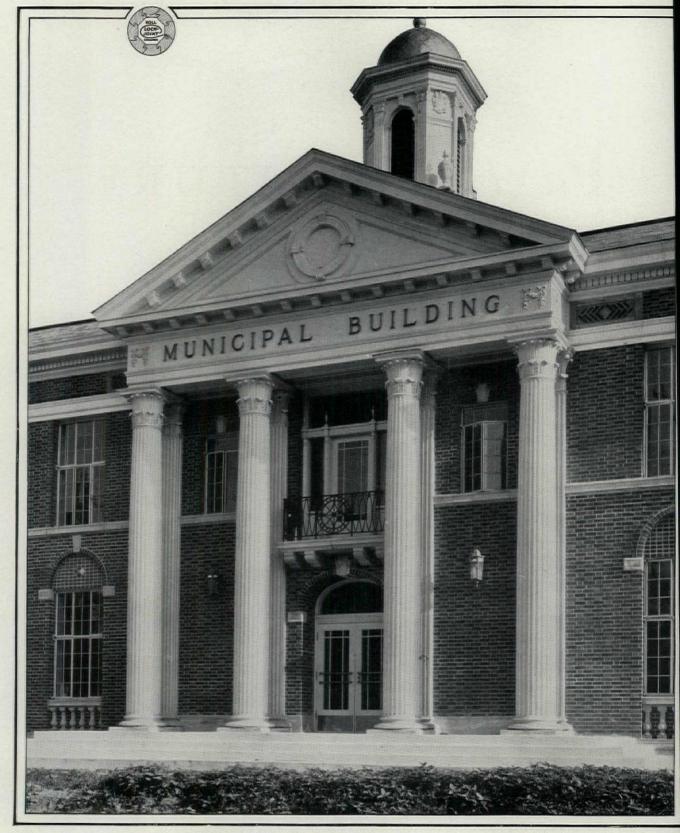
The leading dealer in your town, if you are east of the Rockies, is probably a Curtis Dealer and can give you full particulars. If there is no Curtis Dealer near you, however, write

#### The Curtis Companies Service Bureau 845 Curtis Building, Clinton, Iowa Representing

Curtis Bros. & Co., Clinton, Iowa; Curtis & Yale Co., Wausau, Wisconsin; Curtis Sash & Door Co., Sioux City, Iowa; Curtis, Towle & Paine Co., Lincoln, Nebraska; Curtis, Towle & Paine Co., Topeka, Kansas; Curtis Door & Sash Co., Chicago, Illinois; Curtis Detroit Co., Detroit, Michigan; Curtis-Yale-Holland Co., Minneapolis, Minnesota.

Curtis Companies, Incorporated, Clinton, Iowa Curtis Woodwork-Display and Sales Office, Room 201, 9 East 41st Street, New York City 76

Part C



Municipal Building, Niles, Illinois, Hyland and Coarse, Architects

Down through the years to the present day, stately columns have added a classic note to many of the world's outstanding works of architecture.

The Municipal Building at Niles, Illinois, a suburb of Chicago, is a notable example not only of the happy use of beautiful columns, but also of fine cooperation between the architect, the builder and those trained and experienced craftsmen in the Hartmann-Sanders studios. Upon request, we gladly send Catalog I-47 of Columns of Catalog I-53 of Model Entrances. Hartmann-Sander Co., 2151 Elston Avenue, Chicago, Eastern Office an Showroom: 6 East 39th Street, New York City.

#### HARTMANN-SANDERS

Pergolas Rose Arbors

Colonial Entrances Garden Equipment Koll Column ıy, 1928

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		Stiles and Rails	
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		Surface Veneers of any desired Wood	
		Flush or Raised Moulding of any Contour	
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Roddi	M	-	

# Panel Doors to Your Order

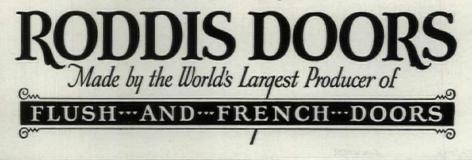
IN panel doors, Roddis gives you your individual design, in any finish, with almost immediate delivery.

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77

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Part O

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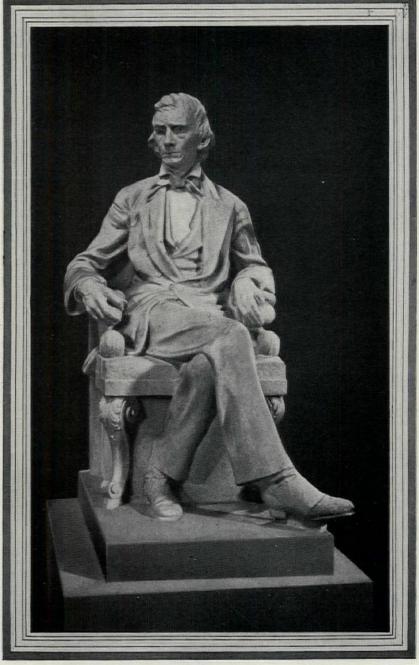
CHICAGO

TORONTO

79

#### ARCHITECTURAL DESIGN

# GEORGIA MARBLE



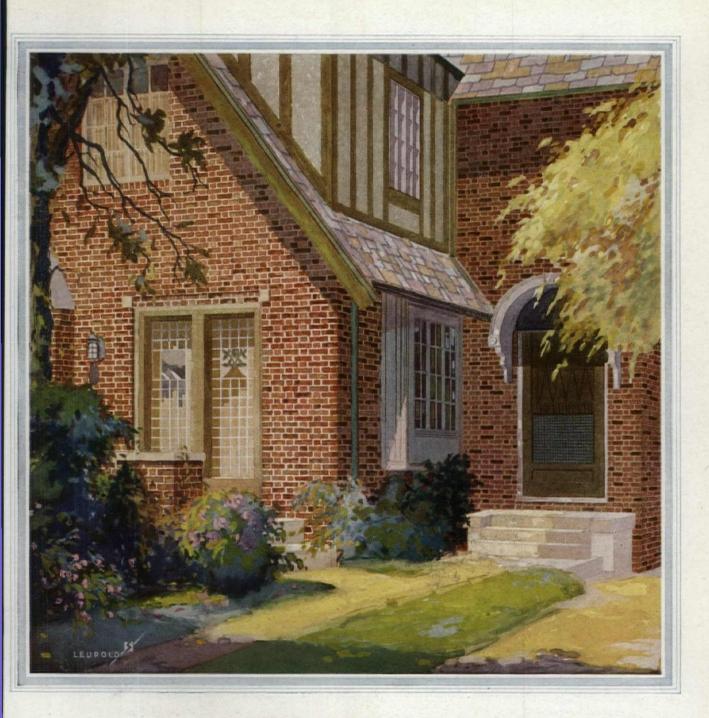
STATUE OF ALEXANDER H. STEPHENS, GUTZON BORGLUM, SCULPTOR An outstanding figure in the nation's history. Alexander Stephens was Representative, Congressman, Governor of Georgia, and Vice-President of the Confederacy. This statue, now in Statuary Hall in the National Capitol, is of White Georgia Marble.

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Part O



THIS announces a new achievement in brick making which will interest every Architect because it brings him a medium never before at his command. Inspired by "the irregular and intimate quality of things made entirely by the human hand" and by the enchantment of noble old English brick walls, we have produced "Handmades"—another Western Brick of character. Although made by the most modern methods, "Handmades" possess perfect naturalness in color tones, textures and shapes. When laid, the wall effect is comparable in every way with that created by age-old, handmoulded brick. May we send you a brochure containing the complete story of "Handmades," brick of distinction? Address, Western Brick Company, 1604 Builders' Building, Chicago, Illinois.

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#### Comfortable Office Floors Juiet,

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tive feature.

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Cashier's Room, First National Bank, McKees Rocks, Pa., floored with Arm-strong's Cork Tile in 9 x 9 inch medium brown tiles and dark border.

#### Selected List of Manufacturers' Publications OR THE SERVICE OF ARCHITECTS, ENGINEERS, DECORATORS, AND CONTRACTORS

The publications listed in these columns are the most important of those issued by leading manufacturers identified with the building industry. They may be had without charge, unless otherwise noted, by applying on your business stationery to The Architectural Forum, 383 Madison Ave., New York, or the manufacturer direct, in which case kindly mention this publication.

#### ACOUSTICS

- **R. Guastavino Co.**, 40 Court St., Boston. Akoustolith Plaster. Brochure, 6 pp., 10 x 12½ ins. Important data on a valuable material. **U. S. Gypsum Co.**, 205 W. Monroe St., Chicago, Ill. A Scientific Solution of an Old Architectural Problem. Folder 6 pp., 8½ x 11 ins. Describes Sabinite Acoustical Plaster.

#### ASH HOISTS-ELECTRIC AND HAND POWER

- General Catalog. 535 West Broadway, New York, N. Y.
   General Catalog. 8½ x 11 ins. 20 pp. Fully illustrated. Contains specifications in two forms (with manufacturers' name and without). Detail ¼ in. scale for each telescopic model and special material-handling section.
   G. & G. Telescopic Hoist. Brochure, 24 pp., 8½ x 11 ins. Illustrated. Electric and hand power models; watertight sidewalk doors; automatic opening, closing, and locking devices.

#### BASEMENT WINDOWS

Genfire Steel Company, Youngstown, Ohio. Architectural Details. Booklet, 28 pp., 8½ x 11 ins. Details on steel windows. A. I. A. File No. 16E.

#### BATHROOM FITTINGS

- ATHROOM FITTINGS
  A. P. W. Paper Co., Albany, N. Y. Onliwon for Fine Buildings. Folder, 8 pp., 3½ x 6 ins. Illustrated. Deals with toilet paper fittings of metal and porcelain. Architects' File Card. 8½ x 11 ins. Illustrated. Filing card on toilet paper and paper towel cabinets.
  A Towel Built for Its Job. Booklet, 8 pp., 4½ x 9½ ins. Illustrated. Paper Towel System and Cabinets. Cabinets and Fixtures. Booklet, 31 pp., 5½ x 4¾ ins. Illustrated. Catalog and price list of fixtures and cabinets.

#### BRICK

- BRICK
  American Face Brick Association, 1751 Peoples Life Building, Chicago, III.
  Brickwork in Italy. 298 pages, size 7½ x 10½ ins., an attractive and useful volume on the history and use of brick in Italy from ancient to modern times, profusely illustrated with 69 line drawings, 300 half-tones, and 20 colored plates with a map of modern and XII century Italy. Bound in linen, will be sent postpaid upon receipt of \$6.00. Half Morocco, \$7.00.
  Industrial Buildings and Housing. Bound Volume, 112 pp. 8½ x 11 ins. Profusely illustrated. Deals with the planning of factories and employes' housing in detail. Suggestions are given for interior arrangements, including restaurants and rest rooms. Price, \$2.00.
  Common Brick Mfrs. Assn. of America, 2134 Guarantee Title Bldg., Cleveland.
  Brick; How to Build and Estimate. Brochure, 96 pp., 8½ x 11 ins. Illustrated. Complete data on use of brick.
  The Heart of the Home. Booklet, 24 pp., 8½ x 11 ins. Illus-trated. Price 25 cents. Deals with construction of fireplaces and chinneys.

  - The Heart of the Home. Booklet, 24 pp., 8½ x 11 ins. Illus-trated. Price 25 cents. Deals with construction of fireplaces and chimneys. Skintled Brickwork. Brochure, 15 pp., 8½ x 11 ins. Illustrated. Tells how to secure interesting effects with common brick. Building Economy. Monthly magazine, 22 pp., 8½ x 11 ins. Illustrated. \$1 per year, 10 cents a copy. For architects, builders and contractors.

#### CEMENT

- Carney Company, The, Mankato, Minn. A Remarkable Combination of Quality and Economy. Booklet, 20 pp., 8½ x 11 ins. Illustrated. Important data on valuable material.
- Gunite Bulletins. Sheet 6 x 9 ins. Illustrated. Bulletins on adaptability of "Gunite," a sand and cement product, to con-struction work.

- adaptability of "Gunite," a sand and cement product, to construction work.
  Kosmor Portland Cement Company, Louisville, Ky.
  Kosmortar for Enduring Masonry. Folder, 6 pp., 3½ x 6½ ins. Data on strength and working qualities of Kosmortar.
  Kosmortar, the Mortar for Cold Weather. Folder, 4 pp., 336 x 6½ ins. Tells why Kosmortar should be used in cold weather.
  Lawrence Cement Co., New York, Boston and Philadelphia.
  Dragon Super Cement. Booklet, 20 pp., 8½ x 11 ins. Illustrated. Data on a valuable waterproof material.
  Louisville Cement Co., Si Guthrie St., Louisville, Ky.
  BRIXMENT for Perfect Mortar. Self-filing handbook, 8½ x 11 ins. 16 pp. Illustrated. Contains complete technical description of BRIXMENT for brick, tile and stone masonry, specifications, data and tests.
  North American Cement Corporation, 285 Madison Ave., New York. The Cal Boon. Brochure. 32 pp. 6 x 9 ins. Illustrated. Use of Cal in Portland Cement Tory, 131 East 46th St., New York. Celluloid Computing Scale for Concrete and Lumber, 4½ x 2½ ins. Useful for securing accurate computations of aggregates and cement; also for measuring lumber of different sizes.
  Portland Cement Association. Chicago.
  Concrete Masonry Construction. Booklet, 47 pp., 8½ x 11 ins. Illustrated.
  Pates About Concrete Building Tile. Brochure, 16 pp., 8½ x 11 ins. Illustrated.
  Facts About Concrete Building Tile. Brochure, 16 pp., 8½ x 11 ins. Illustrated.

  - ins. Illustrated. The Key to Firesafe Homes. Booklet, 20 pp., 8½ x 11 ins. Illus-trated.

#### CEMENT-Continued

- Design and control of Concrete Mixtures. Brochure, 32 pp., 8½ x 11 ins. Illustrated. Portland Cement Stucco. Booklet, 64 pp., 8½ x 11 ins. Illus-
- trated. trated. Concrete in Architecture. Bound Volume. 60 pp., 8½ x 11 ins Illustrated. An excellent work, giving views of exteriors an interiors

- CONCRETE BUILDING MATERIALS Celite Products Company, Chicago, New York, Los Angeles. Designing Concrete for Workability as Well as Strength. Bro-chure. 8 pp. Illustrated. Data on an important material for
- Designing Concrete for Workability as Well as Strength. Brochure. 8 pp. Illustrated. Data on an important material for drying concrete.
  Better Concrete; Engineering Service Bulletin X-325. Booklet, 10 pp., 8½ x 11 ins. Illustrated. On use of Celite to secure workability in concrete, to prevent segregation and to secure water-tightness.
  Economic Value of Admixtures. Booklet, 32 pp., 6½ x 9½ ins. Reprint of papers by J. C. Pearson and Frank A. Hitchcock before 1924 American Concrete Institute.
  Concrete Surface Corporation, 342 Madison Ave., New York. Bonding Surfaces on Concrete. Booklet, 12 pp., 8 x 11 ins. Illustrated. Deals with an important detail of building.
  Dovetail Anchor Slot Co., 149 West Ohio St., Chicago. Dovetail Masonry Anchoring System. Folder, 4 pp., 8½ x 11 ins. Illustrated. Data on a system of anchoring masonry to concrete.
  National Building Units Corporation, 1600 Arch St., Philadelphia. Durability and Utility of Straub Cinder Building Blocks. Brochure, 14 pp., 8 x 11 ins. Report on this material by Pittsburgh Testing Laboratories.
  Sound Absorption of Cinder Concrete Building Units. Booklet, 8 pp., 8 x 11 ins. Illustrated. Results of tests of absorption and transmission of sound through Straub building blocks. Philadelphia. Under Cinder Concrete Building Units. Brochure, 36 pp., 8¼ x 10¼ ins. Illustrated. Full data on an important building blocks.

  - material.
    Somos Portland Cement Company. Louisville, Ky.
    High Early Strength Concrete, Using Standard Cosmos Portland Cement. Folder, 1 p., 8½ x 11 ins. Complete data on securing high strength concrete in short time.

#### CONCRETE COLORINGS

- The Master Builders Co., 7016 Euclid Ave., Cleveland. Color Mix, Colored Hardened Concrete Floors (Integral). B chure. 16 pp. 8½ x 11 ins. Illustrated. Data on coloring floore Bro

floors. Dychrome. Concrete Surface Hardener in Colors. Folder. 4 pp. 8 x 11 ins. Illustrated. Data on a new treatment.

CONSTRUCTION, FIREPROOF

- CONSTRUCTION, FIREPROOF
   Master Builders Co., Cleveland, Ohio.
   Color Mix. Booklet, 18 pp., 8½ x 11 ins. Illustrated. Valuable data on concrete hardener, waterproofer and dustproofer in permanent colors.
   National Fire Proofing Co., 250 Federal St., Pittsburgh, Pa. Standard Fire Proofing Bulletin 171. 8½ x 11 lins. 32 pp. Illustrated. A treatise on fireproof floor construction.
   Northwestern Expanded Metal Co., 1234 Old Colony Building, Chicago, Ill.
   Northwestern Expanded Metal Products. Booklet. 8½ x 1034 ins. 16 pp. Fully illustrated, and describes different products of this company, such as Kno-burn metal lath, 20th Century Corrugated. Plaster-Sava and Longspan lath channels, etc.
   A. I. A. Sample Book. Bound volume, 8½ x 11 ins., contains actual samples of several materials and complete data regarding their use.
   AMPPROOFING

#### DAMPPROOFING

- Ing their use.
  DAMPPROOFING
  Philip Carey Co., Lockland, Cincinnati, Ohio.
  Architects' Specifications for Carey Built-Up Roofing. Booklet.
  8 x 10% ins. 24 pp. Illustrated. Complete data to aid in specifying the different types of built-up roofing to suit the kind of roof construction to be covered.
  Carey Built-Up Roofing for Modern School Buildings. Booklet.
  8 x 10% ins. 32 pp. Illustrated. A study of school buildings adapted for each.
  Cenfre Steel Company. Youngstown, Ohio.
  Waterproofing Handbook. Booklet. 8½ x 11 ins. 80 pp. A. I. A. File No. 7. Illustrated. Thoroughly covers subject of waterproofing concrete, wood and steel preservatives, dusting and hardening concrete, Mood and steel preservatives, dusting and hardening concrete, Mood and steel preservatives.
  The Master Builders Co., 7016 Euclid Ave., Cleveland.
  Waterproofing and Damproofing. Specification Manual. Booklet. 18 pp., 8½ x 11 ins. Deals with methods and materials used.
  Waterproofing and Damproofing. File. 36 pp. Complete descriptions and detailed specifications for materials used in building and concrete.
  Someborn Sons, Inc., L., 116 Fifth Ave., New York.
  Specification 'Forms A and B'' for dampproofing and plaster key over concrete and masonry surfaces.
  The Vertex Mfg. Co., Cleveland, Ohio.
  Par-Lock Specification 'Forms A and B'' for dampproofing and plaster key over concrete and masonry surfaces.
  Par-Lock Specification 'Forms A and B'' for dampproofing and plaster key over concrete and masonry surfaces.
  Par-Lock Dampproofing. Specification Forms C, F, I and J. Sheets 8½ x 11 ins. Data on gun-applied asphalt dampproofing for floors and walls.

#### SELECTED LIST OF MANUFACTURERS' PUBLICATIONS—Continued from page 83

#### DOORS AND TRIM, METAL

### The American Brass Company, Waterbury, Conn. Anaconda Architectural Bronze Extruded Shapes. Brochure, 180 pp., 8½ x 11 ins., illustrating and describing more than 2,000 standard bronze shapes of cornices, jamb casings, mould-ings, etc.

ings, etc. hards-Wilcox Mfg. Co., Aurora, Ill. Fire-Doors and Hardware. Booklet. 8½ x 11 ins. 64 pp. Illus-trated. Describes entire line of tin-clad and corrugated fire doors, complete with automatic closers, track hangers and all the latest equipment—all approved and labeled by Underwriters' Laboratories.

DOORS, SOUNDPROOF Irving Hamlin, Evanstone, Ill. The Evanston Soundproof Door. Folder, 8 pr., 8½ x 11 ins. Illustrated. Deals with a valuable type of door.

#### DUMBWAITERS

Sedgwick Machine Works, 151 West 15th St., New York. Catalog and Service Sheets. Standard specifications, plans and prices for various types, etc. 4½ x 8½ ins. 60 pp. Illustrated. Catalog and pamphlets, 8½ x 11 ins. Illustrated. Valuable data on dumbwaiters.

#### ELECTRICAL EOUIPMENT

- Benjamin Electric Mfg. Co., 120 So. Sarigamore St., Chicago. Reference Wall Chart, 22 x 28½ ins. "Enables one to select at a glance the right type of reflector or other lighting equipment
- Benjamin-Starrett Panelboards and Steel Cabinets. Booklet, 80 pp. 8½ x 10½ ins. Full data on these details for light and
- power.
  Benjamin-Starrett Panelboards for Light and Power. Booklet, 80 pp., 8½ x 11 ins. Illustrated. Full data on company's line of panelboards, steel cabinets, etc.
  General Electric Co., Schenectady, N. Y.
  "Electrical Specification Data for Architects. Brochure, 36 pp., 8 x 10½ ins. Illustrated. Data regarding G. E. wiring mate-rials and their use
- "Electrical Specification Data for Architects. Brochure, 36 pp., 8 x 10% ins. Illustrated. Data regarding G. E. wiring mate-rials and their use.
  "The House of a Hundred Comforts." Booklet, 40 pp., 8 x 10% ins. Illustrated. Dwells on importance of adequate wiring.
  Pick & Company, Albert, 208 West Randolph St., Chicago, Ill. School Cafeterias. Booklet. 9 x 6 ins. Illustrated. The design and equipment of school cafeterias with photographs of instal-lation and plans for standardized outfits.
  Signal Engineering & Mfg. Co., 154 W. 14th St., New York. Signal Call Code System. Booklet, 16 pp., 8½ x 10 ins. Illus-trated. Important telephone accessories.
  Fire Alarm Systems,-Bulletin A-35. 12 pp., 8½ x 9½ ins. Illustrated. Data on fire alarm equipment.
  Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. Electric Power for Buildings. Brochure, 14 pp., 8½ x 11 ins. Illustrated. A publication important to architects and engi-neers.

- Illustrated. A publication important to architects and engineers.
  Variable-Voltage Central Systems as applied to Electric Elevators. Booklet, 13 pp., 8½ x 11 ins. Illustrated. Deals with an important detail of elevator mechanism.
  Modern Electrical Equipment for Buildings. Booklet, 8½ x 11 ins. Illustrated. Lists many useful appliances.
  Electrical Equipment for Heating and Ventilating Systems. Booklet, 24 pp., 8½ x 11 ins. Illustrated. This is "Motor Application Circular 7379."
  Westinghouse Panelboards and Cabinets (Catalog 42-A). Booklet, 32 pp., 8½ x 11 ins. Illustrated. Important data on these details of equipment.
  Beauty; Power; Silence; Westinghouse Fans (Dealer Catalog 45). Brochure, 16 pp., 8½ x 11 ins. Illustrated. Valuable information on fans and their uses.
  Electric Range Book for Architects (A. I. A. Standard Classification 31 G-4). Booklet, 24 pp., 8½ x 11 ins. Illustrated. Equipment (Catalog 280). Booklet, 32 pp., 8½ x 11 ins. Illustrated. Equipment for cooking on a large scale.
  Electric Appliances (Catalog 44-A). 32 pp., 8½ x 11 ins. Deals with accessories for home use.

#### ELEVATORS

- With accessories for none user
  ELEVATORS
  Otis Elevator Company, 260 Eleventh Ave., New York, N. Y.
  Otis Push Button Controlled Elevators. Descriptive leaflets. 8½ x 11 ins. Illustrated. Full details of machines, motors and controllers for these types.
  Otis Geared and Gearless Traction. Elevators of All Types. De-scriptive leaflets. 8½ x 11 ins. 21 pp. Illustrated. Full details of machines, motors and controllers for these types.
  Escalators. Booklet. 8½ x 11 ins. 22 pp. Illustrated. Describes use of escalators in subways, department stores, theaters and industrial buildings. Also includes elevators and dock elevators.
  Richards-Witcox Mfg. Co., Aurora, III.
  Elevators. Booklet. 8½ x 11 ins. 24 pp. Illustrated. Describes complete line of "Ideal" elevator door hardware and checking devices, also automatic safety devices.
  Sedgwick Machine Works, 151 West 15th St., New York, N. Y.
  Catalog and descriptive pamphlets on hand power freight elevators, sidewalk elevators, automobile elevators, etc.
  Catalog and pamphlets. 8½ x 11 ins. Illustrated. Important data on different types of elevators.
  Concrete Engineering Co., Omaha, Nebr. "Handbook of Fireproof Construction." Booklet, 53 pp., 8½ x 11 ins. Valuable work on methods of fireproofing.
  FIREPROOFING

#### FIREPROOFING

REPROOFING Genfire Steel Company, Youngstown, Ohio. Fireproofing Handbook, 8½ x 11 ins. 32 pp. Illustrated. Gives methods of construction, specifications, data on Herringhone metal lath, steel, tile, Trussit solid partitions, steel joists. Self-Sentering formless concrete construction.

#### FIREPROOFING—Continued

North Western Expanded Metal Co., 407 South Dearborn St., Chicago.
 A. I. A. Sample Book. Bound volume, 8½ x 11 ins. Contains actual samples of several materials and complete data regard-ing their use.

#### FLAGSTONES

J. G. Robinson, 6202 Germantown Avenue, Philadelphia. Robinson Flagstones. Brochure, 12 pp., 8½ x 11 ins. Illustrated. Data and specification.

#### FLOOR HARDENERS (CHEMICAL)

- Master Builders Co., Cleveland, Ohio.
   Concrete Floor Treatment. File, 50 pp. Data on Securing hard-ened dustproof concrete.
   Concrete Floor Treatments-Specification Manual. Booklet, 23 pp. 8½ x 11 ins. Illustrated. Valuable work on an important pp. 81/2 subject.
- onneborn Sons, Inc., L., 116 Fifth Ave., New York, N. Y. Lapidolith, the liquid chemical hardener. Complete sets of speci-fications for every building type in which concrete floors are used, with descriptions and results of tests.

#### FLOORS-STRUCTURAL

- Truscon Steel Co., Youngstown, Ohio.
  Truscon Floretyle Construction. Booklet. 8½ x 11 ins. 16 pp. Illustrations of actual jobs under construction. Lists of properties and information on proper construction. Proper method of handling and tables of safe loads.
  Structural Gypsum Corporation, Linden, N. J. Gypsteel Pre-cast Fireproof Floors. Booklet, 36 pp., 8½ x 11 ins. Illustrated. Data on flooring.

#### FLOORING

- Armstrong Cork & Insulation Co., Pittsburgh, Pa. Armstrong's Cork Tile Floors. Booklet. 7¼ x 10½ ins. 30 pp. An illustrated work on cork flooring. Linotile for Home Floors. Brochure. 7½ x 10½ ins. 27 pp. and colored enclosures of floor installations.
- Armstrong Cork Co. (Linoleum Division), Lancaster, Pa. Armstrong's Linoleum Floors. Catalog. 8½ x 11 ins. 40 pp. Color plates. A technical treatise on linoleum, including table of gauges and weights and specifications for installing lino-leum floors.

- of gauges and weights and spectrasters to an entropy of leum floors.
  Armstrong's Linoleum Pattern Book, 1927. Catalog. 3½ x 6 in. 272 pp. Coler Plates. Reproduction in color of all patterns of linoleum and cork carpet in the Armstrong line.
  Quality Sample Book. 3½ x 5¼ in. Showing all gauges and thicknesses in the Armstrong line of linoleums.
  Linoleum Layer's Handbook. 5 x 7 in. 32 pp. Instructions for linoleum layers and others interested in learning most satisfactory methods of laying and taking care of linoleum.
  Enduring Floors of Good Taste. Booklet. 6 x 9 ins. 48 pp. Illustrated in color. Explains use of linoleum for offices, stores, etc., with reproductions in color of suitable patterns, also specifications and instructions for laying.
  Barber Aenhalt Co. Philadelphia.
- Barber Asphalt Co., Philadelphia. Specifications for Applying Genasco Asphalt Mastic. Booklet 8 x 10½ ins. Directions for using Asphalt Mastic for flooring.
- 8 x 10½ ms. Directions for using Asphalt Mastic for flooring. Blabon Company, Geo. W., Nicetown, Philadelphia, Pa. Planning the Color Schemes for Your Home. Brochure illus-trated in color; 36 pp., 7½ x 10½ ins. Gives excellent sug-gestions for use of color in flooring for houses and apartments. Handy Quality Sample Folder of Linoleums. Gives actual sam-ples of "Battleship Linoleum," cork carpet, "Feltex," etc. Blabon's Linoleum. Booklet illustrated in color; 128 pp., 3½ x 8½ ins. Gives patterns of a large number of linoleums. Blabon's Plain Linoleum and Cork Carpet. Gives quality sam-ples, 3 x 6 ins. of various types of floor coverings.

- ples, 3 x 6 ins. of various types of floor coverings.
  Bonded Floors Company, Inc., 1421 Chestnut St., Philadelphia, Pa. A series of booklets, with full color inserts showing standard colors and designs. Each booklet describes a resilient floor material as follows:
  Battleship Linoleum. Explains the advantages and uses of this durable, economical material.
  Marble-ized (Cork Composition) Tile. Complete information on cork-composition marble-ized tile and many artistic effects obtainable with it.
  Trendlite (Cork Composition) Tile. Shows a variety of colors and patterns of this adaptable cork composition flooring.
  Natural Cork Tile. Description and color plates of this superquiet, resilient floor.
  Practical working specifications for installing battleship linoleum, cork composition tile and cork tile.
  Carter Bloxonend Flooring Co., Keith & Perry Bldg., Kansas City.

- Carter Bloxonend Flooring Co., Keith & Perry Bldg., Kansas City,
- Mo.
- Bloxonend Flooring. Booklet. 3¼ x 6¼ ins. 20 pp. Illustrated. Describes uses and adaptability of Bloxonend Flooring to con-crete, wood or steel construction, and advantages over loose wood blocks.
- wood blocks. File Folder. 93% x 1134 ins. For use in connection with A. I. A. system of filing. Contains detailed information on Bloxonend Flooring in condensed, loose-leaf form for specification writer and drafting room. Literature embodied in folder includes standard Specification Sheet covering the use of Bloxonend in general industrial service and Supplementary Specification Sheet No. 1, which gives detailed description and explanation of an approved method for installing Bloxonend in gymnasiums, armories, drill rooms and similar locations where maximum resiliency is required.

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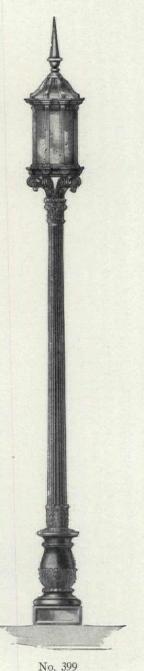
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No. 433 Scale: 3⁄4" = 1'0" 8' high overall





No. 399 Scale:  $\frac{1}{2}'' = 1'0''$ 12'6" high overall Base, 12" square

#### SELECTED LIST OF MANUFACTURERS' PUBLICATIONS-Continued from page 84

#### FLOORING-Continued

- COORING—Continued
  Albert Grauer & Co., 1408 Seventeenth St., Detroit, Mich. Grauer-Watkins Red Asphalt Flooring. Folder, 4 pp., 8½ x 11 ins. Data on a valuable form of flooring.
  U. S. Gypsum Co., Chicago.
  Pyrobar Floor Tile. Folder. 8½ x 11 ins. Illustrated. Data on building floors of hollow tile and tables on floor loading.
  United States Quarry Tile Co., Parkersburg, W. Va. Quarry Tiles for Floors. Booklet, 119 pp., 8½ x 11 ins. Illus-trated. General catalog. Details of patterns and trim for floors. Art Portfolio of Floor Designs. 9¼ x 12¼ ins. Illustrated in colors. Patterns of quarry tiles for floors.
  U. S. Rubber Co., 1790 Broadway, New York.
  Period Adaptations for Modern Floors. Brochure. 8 x 11 ins. 60 pp. Richly illustrated. A valuable work on the use of rubber tile for flooring in interiors of different historic styles.
- FURNITURE

- American Seating Co., 14 E. Jackson Blvd., Chicago, Ill.
   Ars Ecclesiastica Booklet. 6 x 9 in. 48 pp. Illustrations of church fitments in carved wood.
   Theatre Chairs. Booklet. 6 x 9 in. 48 pp. Illustrations of theater chairs.
   Booklet. 6 x 9 in. 48 pp. Illustrations of theater chairs.
   Kensington Mig. Company, Showrooms, 41 West 45th St., New York.
- Kensington Mrg. Company, Showrooms, 41 West 45th St., New York.
  Illustrated booklet indicative of the scope, character and decorative quality of Kensington furniture, with plan of co-operation with architects, sent on request.
  Photographs and full description of hand-made furniture in all the period styles, furnished in response to a specific inquiry.
  Kittinger Co., 1893 Elmwood Ave., Buffalo, N. Y.
  Kittinger Club & Hotel Furniture. Booklet. 20 pp. 6¼ x 9¼ ins. Illustrated. Deals with fine line of furniture for hotels, clubs, institutions, schools, etc.
  Kittinger Club and Hotel Furniture. Booklet. 20 pp. 6 x 9 ins. Illustrated. Data on furniture for hotels and clubs.
  McKinney Mfg. Co., Pittsburgh.
  Forethought Furniture Plans. Sheets, 6¼ x 9 ins., drawn to ¼-inch scale. An ingenious device for determining furniture arrangement.

- <sup>34</sup>-inch scale. An ingenious device for determining unmulte arrangement.
   New York Galleries, Madison Avenue and 48th Street, New York A group of Distinguished Interiors. Brochure, 4 pp., 834 x 1134 ins. Filled with valuable illustrations.
   White Door Bed Company, The, 130 North Wells St., Chicago, III. Booklet. 8½ x 11 in. 20 pp. Illustrated. Describes and illus-trates the use of "White" Door Bed and other space-saving devices. devices.

#### GARAGES

- RAAGES
   Ramp Buildings Corporation, 21 East 40th St., New York.
   Building Garages for Profitable Operation. Booklet. 8½ x 11 ins.
   16 pp. Illustrated. Discusses the need for modern mid-city parking garages, and describes the d'Humy Motoramp system of design, on the basis of its superior space economy and features of operating convenience. Gives cost analyses of garages of different sizes, and calculates probable earnings.
   Garage Design Data. Series of informal bulletins issued in loose-leaf form, with monthly supplements.

#### GLASS CONSTRUCTION

- LASS CONSTRUCTION
  Adamson Flat Glass Co., Clarksburg, W. Va. Quality and Dependability. Folder, 2 pp., 8½ x 11 ins. Illustrated. Data in the company's product.
  Libbey-Owens Sheet Class Co., Toledo, Ohio.
  Flat Glass. Brochure, 11 pp., 5½ x7% ins. Illustrated. History of manufacture of flat, clear, sheet glass.
  Mississippi Wire Glass Co., 220 Fifth Ave., New York. Mississippi Wire Glass. Catalog. 3½ x 8½ ins. 32 pp. Illustrated. Covers the complete line.

#### GREENHOUSES

William H. Lutton Company, 267 Kearney Ave., Jersey City, N. J. Greenhouses of Quality. Booklet, 50 pp., 8½ x 11 ins. Illus-trated. Conservatories making use of Lutton Patented Gal-vanized Steel V-Bar."

#### HARDWARE

- IARDWARE
  P. & F. Corbin, New Britain, Conn.
  Early English and Colonial Hardware. Brochure, 8½ x 11 ins. An important illustrated work on this type of hardware.
  Locks and Builders' Hardware. Bound Volume, 486 pp., 8½ x 11 ins. An exhaustive, splendidly prepared volume.
  Brochure, 61 plates, 8½ x 11 ins. Illustrated. Locks and builders' hardware as presented in 22nd edition of Sweet's.
  Cutler Mail Chute Company, Rochester, N. Y.
  Cutler Mail Chute Model F. Booklet. 4 x 9¼ in. 8 pp. Illustrated

- Cutler Mail Chute Company, Rochester, N. Y. Cutler Mail Chute Model F. Booklet. 4 x 9¼ in. 8 pp. Illus-trated.
  McKinney Mfg. Co., Pittsburgh.
  Forged Iron by McKinney. Booklet, 6 x 9 ins. Illustrated. Deals with an excellent line of builders' hardware.
  Forged Lanterns by McKinney. Brochure, 6 x 9 ins. Illustrated. Describes a fine assortment of lanterns for various uses.
  Richards-Wilcox Mfg. Co., Aurora, III.
  Distinctive Garage Door Hardware. Booklet. 8½ x 11 ins. 65 pp. Illustrated. Complete information accompanied by data and illustrations on different kinds of garage door hardware.
  Distinctive Elevator Door Hardware. Booklet. 89 pp., 16 x 10½ ins. Illustrated.
  Russell & Erwin Mfg. Co., New Britain, Conn.
  Hardware for the Home. Booklet, 24 pp., 3½ x 6 ins. Deals with residence hardware.
  Door Closer Booklet. Brochure, 16 pp., 3½ x 6 ins. Data on a valuable detail. Garage Hardware Booklet, 12 pp., 3½ x 6 ins. Hardware intended for garage use.
  Famous Homes of New England. Series of folders on old homes and hardware in style of each.

- HEATING EQUIPMENT American Blower Co., 6004 Russell St., Detroit. Heating and Ventilating Utilities. A binder containing a large number of valuable publications, each 8½ x 11 ins., on these important subjects.
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  American Blower Co., 6004 Russell St., Detroit.
  Heating and Ventilating Utilities. A binder containing a large number of valuable publications, each 8½ x 11 ins., on these important subjects.
  American Radiator Company, The, 40 West 40th St., N. Y. C. Ideal Type "A" Heat Machine. Catalog 7¼ x 10½ ins. 32 pp. Illustrated in 4 colors. Data on a complete line of Heating Boilers of the Water Tube Boilers. Catalog 7¼ x 10½ ins. 32 pp. Illustrated in 4 colors. Data on a complete line of Heating Boilers of the Water Tube type.
  Ideal Water Tube Boilers. Catalog 7¼ x 10½ in. 36 pp. Illustrated in 4 colors. Describing a line of Heating Boilers of the Water Tube type.
  Ideal Smokeless Boilers. Catalog 7¼ x 8½ in. 36 pp. Illustrated in 4 colors. Describing a line of Heating Boilers especially adapted to use with Ol Burners.
  Corto-The Radiator Classic. Brochure 5½ x 8½ in. 16 pp. Illustrated. A brochure on a space-saving radiator of beauty and high efficiency.
  Ideal Aroola Radiator Warmth.Brochure 6¼ x 9¼. Illustrated. Describes a central all-on-one-floor heating plant with radiators for small residences, stores, and offices.
  James B. Clow & Som, 534 S. Franklin St., Chicago.
  Clow Gasteam Vented Heating System. Brochure, 24 pp., 8½ x H ins. Illustrated. Deals with a valuable form of heating apparatus. Dunham Company, 450 East Ohio St., Chicago, Ill.
  Dunham Radiator Trap. Bulletin 100, 8 x 11 ins. Illustrated.
  Dunham Company, 450 East Ohio St., Chicago, Ill.
  Dunham Return Heating System. Bulletin 104. 8 x 11 ins. 11 pp. Illustrated.
  A unham Company, 450 East Ohio St., Chicago, Ill.
  Dunham Return Heating System. Bulletin 110. 8 x 11 ins. 12 pp. Illustrated.
  Dunham Cherner, B pp., 8 x 11 ins. Illustrated. Deals with heating for small buildings.
  The Dunham Differential Vacuum Heating System. Bulletin 114. Brochure, 8 pp., 8 x 11 ins. Illustrated. Deals with heat
- Control.
  Gewanee Boiler Co., Kewanee, Ill.
  Kewanee on the Job. Catalog. 8½ x 11 ins. 80 pp. Illustrated.
  Showing installations of Kewanee boilers, water heaters, radi-

- Kewanee Boiler Co., Kewanee, Ill.
  Kewanee on the Job. Catalog. 3½ x 11 ins. 80 pp. Illustrated. Showing installations of Kewanee boilers, water heaters, radi-ators, etc.
  Catalog No. 78, 6 x 9 ins. Illustrated. Describes Kewanee Fire-box Boilers with specifications and setting plans.
  Catalog No. 79, 6 x 9 ins. Illustrated. Describes Kewanee power boilers and smokeless tubular boilers with specifications.
  May Oil Burner Corp., Baltimore.
  Adventures in Comfort. Booklet, 24 pp., 6 x 9 ins. Illustrated. Non-technical data on oil as fuel.
  Taking the Quest out of the Question. Brochure, 16 pp., 6 x 9 ins. Illustrated. For home owners interested in oil as fuel.
  Milwaukee Valve Co., Milwaukce.
  MILVACO Vacuum & Vapor Heating System. Nine 4-p. bulle-tins, 3½ x 11 ins. Illustrated. Deal with a valuable line of specialties used in heating.
  Modine Mfg. Company, Racine, Wis.
  Thermodine Unit Heater. Brochure, 24 pp., 8½ x 11 ins. Illus-trated. Apparatus for industrial heating and drying.
  Thermodine Cabinet Heater. Booklet, 12 pp., 8½ x 11 ins. Illus-trated. Cabinet Heater. Booklet, 12 pp., 8½ x 11 ins. Illus-trated. Cabinet heaters to buildings of different kinds.
  Molby Boiler Co., Inc., New York and Lansdale, Pa.
  Molby Heating Boiler. Booklet, 24 pp., 6 x 9 ins. Data recom-mended by National Board of Fire Underwriters.
  Nash Engineering Company, South Norwalk, Conn.
  No. 37. Devoted to Jennings Hytor Return Line Vacuum Heat-ing Pumps, electrically driven, and supplied in standard sizes up to 300,000 square feet equivalent direct radiation.
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  No. 20. Describing Jennings Mytor Condensation pumps, sizes up to 70,000 square feet equiv

- square feet. National Radiator Corporation, Johnstown, Pa. Aero Radiators; Beauty and Worth. Catalog 34. Booklet 6 x 9 ins., 20 pp., describing and illustrating radiators and accessories.



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#### SELECTED LIST OF MANUFACTURERS' PUBLICATIONS—Continued from page 86

#### **HEATING EQUIPMENT-Continued**

HEATING EQUIPMENT-Continued
Heating Homes the Modern Way. Booklet, 8½ x 11¼ ins. Illustrated. Data on the Petro Burner.
Residence Oil Burning Equipment. Brochure, 6 pp., 8½ x 11 ins. Illustrated. Data regarding Petro Burner in a bulletin approved by Investigating Committee of Architects and Engineers.
Petroleum Heat & Power Co., 511 Fifth Avenue, New York.
Petro Mechanical Oil Burner & Air Register. Booklet, 23 pp., 8½ x 11 ins. Illustrated. Data on industrial installations of Petro Burners.
Present Accepted Practice in Domestic Oil Burners. Folder, 4 pp., 8½ x 11 ins. Illustrated. A regrint from Heating and Ventilating Magazine.
Trane Co., The, La Crosse, Wis.
Bulletin 14. 16 pp. 8½ x 10½ ins. Covers the complete line of Trane Heating Specialties, including Trane Bellows Traps, and Trane Bellows Packless Valves.
Bulletin 20. 24 pp. 8½ x 10½ ins. Explains in detail the operation and construction of Trane Condensation. Vacuum, Booster, Circulating, and similar pumps.
HOSPITAL EQUIPMENT

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- IOSPITAL EQUIPMENT
  The Frink Co., Inc., 24th St. and Tenth Ave., New York City.
  Catalog 426. 7 x 10 ins. 16 pp. A booklet illustrated with photographs and drawings, showing the types of light for use in hospitals, as operating table reflectors, linolite and multilite concentrators, ward reflectors, bed lights and microscopic reflectors, giving sizes and dimensions, explaining their particular fitness for special uses.
  The International Nickel Company, 67 Wall St., New York, N. Y. Hospital Applications of Monel Metal. Booklet. 8/2 x 11½ ins. 16 pp. Illustrated. Gives types of equipment in which Monel Metal is used, reasons for its adoption, with sources of such equipment.

- The pick-Barth Companies, Chicago and New York.
  Some Thoughts About Hospital Food Service Equipment. Booklet, 21 pp., 7½ x 9¼ ins. Valuable data on an important subject.
  Wilmot Castle Company, Rochester, N. Y.
  Sterilizer Equipment for Hospitals. Book, 76 pp., 8½ x 11 ins. Illustrated. Gives important and complete data on sterilization of utensils and water, information on dressings, etc.
  Sterilizer Specifications. Brochure, 12 pp., 8½ x 11 ins. Practical specifications for use of architects and contractors. Architects' Data Sheets. Booklet, 16 pp., 8½ x 11 ins. Illustrated. Information on piping, venting, valving and wiring for hospital sterilizer installations.
  Hospital Sterilizing Technique. Five booklets. 8 to 16 pp. 6 x 9 ins. Illustrated. Deals specifically with sterilizing instruments, dressings, utensils, water, and rubber gloves.

#### HOTEL EQUIPMENT

Pick & Company, Albert, 208 West Randolph St., Chicago, Ill. Some Thoughts on Furnishing a Hotel. Booklet. 7½ x 9 ins. Data on complete outfitting of hotels.

#### INCINERATORS

- NCINERATORS
   Kerner Incinerator Company, 715 E. Water St., Milwaukee, Wis. Incinerators (Chimney-fed). Catalog No. 15 (Architect and Builders' Edition). Size 8½ x 11 ins. 16 pp. Illustrated. De-scribes principles and design of Kernerator Chimney-fed Incin-erators for residences, apartments, hospitals, schools, apartment hotels, clubs and other buildings. Shows all standard models and gives general information and working data.
   Sanitary Elimination of Household Waste, booklet, 4 x 9 ins. 16 pp. Illustrated. Gives complete information on the Ker-nerator for residences.
   Garbage and Waste Disposal for Apartment Buildings, folder, 8½ x 11 ins. 8 pp. Illustrated. Describes principle and de-sign of Kernerator-Chimney-fed Incinerator for apartments and gives list of buildings where it has been installed.
   Sanitary Disposal of Waste in Hospitals. Booklet. 4 x 9 ins. 12 pp. Illustrated. Shows how this necessary part of hospital service is taken care of with the Kernerator. Gives list of hospitals where installed.
   NSULATING LUMBER

#### INSULATING LUMBER

Mason Fibre Co., 111 West Washington St., Chicago, Ill. Booklet, 12 pp., 8½ x 11 ins. Illustrated. Gives complete speci-fications for use of insulating lumber and details of construction involving its use.

#### INSULATION

- NSULATION
  Armstrong Cork & Insulation Co., Pittsburgh, Pa.
  The Insulation of Roofs with Armstrong's Corkboard. Booklet. Illustrated. 7½ x 10½ ins. 32 pp. Discusses means of insulating roofs of manufacturing or commercial structures.
  Insulation of Roofs to Prevent Condensation. Illustrated booklet. 7½ x 10½ ins. 36 pp. Gives full data on valuable line of roof insulation.
  Piling Folder for Pipe Covering Data. Made in accordance with A. I. A. rules.
  "The Cork Lined House Makes a Comfortable Home." 5 x 7 in. 32 pp. Illustrated.
  Armstrong's Corkboard. Insulation for Walls and Roofs of Buildings. Booklet, 66 pp., 9½ x 1134 ins. Illustrates and describes use of insulation for structural purposes.
  Cabot, Inc., Samuel, Boston, Mass.
  Cabot's Insulating Quilt. Booklet. 7½ x 10½ ins. 24 pp. Illustrated. Deals with a valuable type of insulation.
  Piling Carey Co., The Cincinnati, Ohio.
  Carey Asbestos and Magnesia Products. Catalog. 6 x 9 ins. 72 pp. Illustrated.
  Celite Products Co., 1320 South Hope St., Los Angeles.
  The Insulation of Boilers. Booklet, 8 pp., 8½ x 11 ms. Illustrated. On insulation.

#### INSULATION—Continued

Structural Gypsum Corporation, Linden, N. J. Heat Insulation Value of Gypsteel. Folder, 4 pp., 8½ x 11 ins. Brochure, by Charles L. Norton, of M. I. T.

#### JOISTS

- Bates Expanded Steel Truss Co., East Chicago, Ind. Catalog No. 4. Booklet, 32 pp., 8½ x 11 ins. Illustrated. Gives details of truss construction with loading tables and specifica-
- Genfire Steel Company, Youngstown, Ohio.
   Genfire Steel Company, Youngstown, Ohio.
   Steel Joists. 8½ x 11 ins. 32 pp. A. I. A. File Number 13G. Illustrated. Complete data on T-Bar and Plate-Girder joists, including construction details and specifications.

#### KITCHEN EQUIPMENT

- CHICHEN EQUIPMENT
   The International Nickel Company, 67 Wall St., New York, N. Y. Hotels, Restaurants and Cafeteria Applications of Monel Metal. Booklet. 8% x 11 ins. 32 pp. Illustrated. Gives types of equipment in which Monel Metal is used, with service data and sources of equipment.
   McDougall Company, Frankfort, Ind. Kitchens for Homes and Apartments. Booklet, 32 pp., 8½ x 11 ins. Illustrated. Views and plans of conveniently equipped kitchens.
- kitchens

- kitchens. File Folder. Service sheets and specifications useful in prepar-ing kitchen layouts. Domestic Science Kitchen Units. Brochure, 8 pp.,  $8\frac{1}{2} \times 11$  ins. Illustrated. Deals with flexible line of kitchen equipment. Fick & Company, Albert, 208 W. Randolph St., Chicago, III. School Cafeteria. Portfolio. 17 x 11 ins. 44 pp. Illustrated. An exhaustive study of the problems of school feeding, with copious illustrations and blue prints. Very valuable to the architect. School Cafeterias. Booklet. 9 x 6 ins. Illustrated. The design and equipment of school cafeterias with photographs of in-stallation and plans for standardized outfits.

- LABORATORY EQUIPMENT
   Alberene Stone Co., 153 West 23rd Street, New York City. Booklet 8¼ x 11¼ ins., 26 pp. Stone for laboratory equipment, shower partitions, stair treads, etc.
   Duriron Company, Dayton, Ohio. Duriron Acid, Alkali and Rust-proof Drain Pipe and Fittings. Booklet, 8¼ x 11 ins., 20 pp. Full details regarding a valuable form of piping.

#### LANTERNS

AN IERNS Todhunter, Arthur, 119 E. 57th St., New York. Hand Wrought Lanterns. Booklet, 5¼ x 6¼ ins. 20 pp. Illus-trated in Black and White. With price list. Lanterns appro-priate for exterior and interior use, designed from old models and meeting the requirements of modern lighting.

#### LATH. METAL AND REINFORCING

- ATH, METAL AND REINFORCING
  Genfire Steel Company, Youngstown, Ohio.
  Herringbone Metal Lath Handbook. 8½ x 11 ins. 32 pp. Illustrated.
  Standard specifications for Cement Stucco on Herringbone. Rigid Metal Lath and interior plastering.
  National Steel Fabric Co., Pittsburgh.
  Better Walls for Better Homes. Brochure. 16 pp. 734 x 1034 ins. Illustrated. Metal lath, particularly for residences.
  Steeltex for Floors. Booklet. 24 pp. 8½ x 11 ins. Illustrated. Combined reinforcing and form for concrete or gypsum floors and roofs.

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- trated. Steeltex for folders on wood joists. Northwestern Expanded Metal Co., 1234 Old Colony Building, Chicago, Ill. Northwestern Expanded Metal Products. Booklet, 8½ x 10¾ ins., 20 pp. Fully illustrated, and describes different products of this company, such as Kno-burn metal lath, 20th Century Corrugated. Plasta-saver and longspan lath channels, etc. Longspan ¾-inch Rib Lath. Folder 4 pp., 8½ x 11 ins. Illus-trated. Deals with a new type of V-rit expanded metal. A. I. A. Sample Book. Bound volume, 8½ x 11 ins. Contains actual samples of several materials and complete data regard-ing their use.
- actual samples of several materials and complete data regard-ing their use. Norwest Metal Lath. Folder. 8½ x 11 ins. Illustrated. Data on Flat Rib Lath. Truscon Steel Company, Youngstown, Ohio. Truscon 34-inch Hy-Rib for Roofs, Floors and Walls. Booklet, ½ x 11 ins., illustrating Truscon 34-inch Hy-Rib as used in in-dustrial buildings. Plates of typical construction. Progressive steps of construction. Specification and load tables.

#### LAUNDRY CHUTES

AUNDRY CHUTES The Pfaudler Company, 217 Cutler Building, Rochester, N. Y. Pfaudler Glass-Lined Steel Laundry Chutes. Booklet, 5½ x 7½ ins. 16 pp. Illustrated. A beautifully printed brochure de-scribing in detail with architects' specifications THE, PFAUD-LER GLASS LINED STEEL LAUNDRY CHUTES. Contains views of installations and list of representative examples.

#### LAUNDRY MACHINERY

American Laundry Machinery Co., Norwood Station, Cincinnati, Ohio. Functions of the Hotel and Hospital Laundry. Brochure, 8 pp., 8½ x 11 ins. Valuable data regarding an important subject. LIBRARY EQUIPMENT

- IBRARY EQUIPMENT
   Art Metal Construction Co., Jamestown, N. Y.
   Planning the Library for Protection and Service. Brochure, 52 pp. 8½ x 11 ins. Illustrated. Deals with library fittings of different kinds.
   Library Bureau Division, Remington Rand, N. Tonawanda, N. Y.
   Like Stepping into a Story Book. Booklet. 24 pp. 9 x 12 ins.
   Deals with equipment of Los Angeles Public Library.

Faculty Building University of Detroit

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Globes

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FOR BETTER

LIGHTING

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#### SELECTED LIST OF MANUFACTURERS' PUBLICATIONS—Continued from page 88

#### LIGHTING EQUIPMENT

The Frink Co., Inc., 24th St. and 10th Ave., New York City. Catalog 415, 8½ x 11 ins. 46 pp. Photographs and scaled cross-sections. Specialized bank lighting, screen and partition re-flectors, double and single desk reflectors and Polaralite Signs.

- Gleason-Tiebout Glass Co. (Celestialite Division), 200 Fifth Avenue,
- ileason-Tiebout Glass Co. (Celestialite Division), 200 Fifth Avenue, New York.
  Next to Daylight Brochure, 19 pp., 4 x 8½ ins. Illustrated. Deals with a valuable type of lighting fixture.
  Celestialite Circular No. 40. Folder, 4 pp., 3½ x 6 ins. "What Nature does to the Sun, Celestialite does to the Mazda lamp."
  Attractive Units in Celestialite. Folder, 12 pp., 3¼ x 6½ ins. Illustrates Decoratd Celestialite. Tolder, 12 pp., 3¼ x 6½ ins.
  It Has Been Imitated. Folder, 4 pp., 10 x 13 ins. Data on an important detail of lighting equipment.

Smyser-Royer Co., 1700 Walnut Street, Philadelphia. Catalog "J" on Exterior Lighting Fixtures. Brochure, illus-trated, giving data on over 300 designs of standards, lanterns and brackets of bronze or cast iron.

#### MAIL CHUTES

Cutler Mail Chute Company, Rochester, N. Y. Cutler Mail Chute Model F. Booklet. 4 x 9¼ ins. 8 pp. Illustrated.

#### MANTELS

Arthur Todhunter, 119 E. 57th St., New York, N. Y. Georgian Mantels. New Booklet. 24 pp., 5½ x 6½ ins. A fully illustrated brochure on eighteenth century mantels. Folders give prices of mantels and illustrations and prices of fireplace equipment.

#### MARBLE

- The Georgia Marble Company, Tate, Ga. New York Office, 1328 Broadway.
  - Why Georgia Marble is Better. Booklet. 33% x 6 ins. Gives analysis, physical qualities, comparison of absorption with granite, opinions of authorities, etc.
  - Convincing Proof. 33% x 6 in. 8 pp. Classified list of buildings and memorials in which Georgia Marble has been used, with names of Architects and Sculptors.

#### MEMORIALS

Georgia Marble Company, Tate, Ga. Memorials. Today for Tomorrow. Bound volume, 77 pp., 9½ x 12½ ins. Lavishly illustrated.

#### METALS

The International Nickel Company, 67 Wall St., New York, N. Y. The Choice of a Metal. Booklet, 634 x 3 ins. 166 pp. Illus-trated. Monel Metal—its qualities, use and commercial forms, briefly described.

#### MILL WORK-See also Wood

- Curtis Companies Service Bureau, Clinton, Iowa. Architectural Interior and Exterior Woodwork. Standardized Book. 9 x 11½ ins. 240 pp. Illustrated. This is an Architects Edition of the complete catalog of Curtis Woodwork, as de signed by Trowbridge & Ackerman. Contains many color Standardized Book. 9 x 11½ ins. 240 pp. Illustrated. This is an Architects' Edition of the complete catalog of Curtis Woodwork, as designed by Trowbridge & Ackerman. Contains many color plates.
  Better Built Homes. Vols. XV-XVIII incl. Booklet. 9 x 12 ins. 40 pp. Illustrated. Designs for houses of five to eight rooms, respectively, in several authentic types, by Trowbridge & Ackerman, architects for the Curtis Companies.
  Curtis Details. Booklet, 19½ x 23½ ins. 20 pp. Illustrated Complete details of all items of Curtis woodwork, for the use of architects.
  Hartmann-Sanders Company, 2155 Elston Ave., Chicago, Ill. Column Catalog, 7½ x 10 in. 48 pp. Illustrated. Contains prices on columns 6 to 36 ins. diameter, various designs and illustrations of columns and installations.
  The Pergola Catalog. 7½ x 10 in. 64 pp. Illustrated Contains illustrations of pergola lattices, garden furniture in wood and cement, garden accessories.
  Roddis Doors. Brochure, 24 pp., 5¼ x 8½ ins. Illustrated price list of doors for various types of buildings.
  Roddis Doors for Hospitals. Brochure, 15 pp., 8½ x 11 ins. Illustrated work on hospital doors.
  Roddis Doors for Hospitals. Brochure, 15 pp., 8½ x 11 ins. Illustrated work on hospital doors.
  Morttar CoLORS

#### MORTAR COLORS

- Clinton Metallic Paint Co., Clinton, N. Y.
  Clinton Mortar Colors. Folder. 8½ x 11 ins. 4 pp. Illustrated in color, gives full information concerning Clinton Mortar Colors with specific instructions for using them.
  Color Card. 6½ x 3¼ ins. Illustrates in color the ten shades in which Clinton Mortar Colors are manufactured.
  Something new in Stucco. Folder, 3½ x 6 ins. An interesting folder on the use of coloring matter for stucco-coated walls.
- OFFICE SUPPLIES

- Eugene Dietzgen Co., 166 W. Monroe St., Chicago.
  General Catalog. 500 pp. 6 x 9 ins. Illustrated. Complete line of drafting and surveying supplies.
  Use and care of Drawing Instruments. Booklet. 18 pp. 6 x 9 ins. Illustrated. Discusses proper care of equipment.
  Sample Book of Drawing and Tracing Papers. Brochure. 23 pp. 3½ x 7 ins. Illustrated. Papers recommended for these uses. pp.
  - uses. Ozalid Booklet. 16 pp. 4 x 8½ ins. Illustrated. Data on a positive reproduction paper.

#### ORNAMENTAL PLASTER

- Jacobson & Co., 241 East 44th St., New York. A book of Old English Designs. Brochure. 47 plates. 12 x 9 ins. Deals with a fine line of decorative plaster work. Architectural and Decorative Ornaments. Cloth bound volume. 183 plates. 9 x 12 ins. 18 plates. Price, \$3.00 A general catalog of fine plaster ornaments. Geometrical ceilings. Booklet. 23 plates. 7 x 9 ins. An im-portant work on decorative plaster ceilings.

#### PAINTS, STAINS, VARNISHES AND WOOD FINISHES

- Cabot, Inc., Samuel, Boston, Mass. Cabot's Creosote Stains. Booklet. 4 x 8½ ins. 16 pp. Illus-trated.

- Cabot, Inc., Samuel, Boston, Mass.
  Cabot's Creosote Stains. Booklet. 4 x 8½ ins. 16 pp. Illustrated.
  National Lead Company. 111 Broadway, New York, N.Y.
  Handy Book on Painting. Book, 5½ x 3¼ in. 100 pp. Gives directions and formulae for painting various surfaces of word, plaster, metals, etc., both interior and exterior.
  Red Lead in Paste Form. Booklet. 64 x 3¼ ins. 16 pp. Illustrated. Directions and formulae for painting metals.
  Came Lead. Booklet, 8¼ x 6 in. 12 pp. Illustrated. Describes various styles of lead cames.
  Cinch Anchoring Specialties. Booklet. 6 x 3¼ ins. 20 pp. Illustrated. Describes complete line of expansion bolts.
  Prett & Lambert. Inc., Buffalo, N.Y.
  Specification Manual for Paint, Varnishing and Enameling. Booklet, 38 pp. 7½ x 10% ins. Complete specifications for painting, varnishing and enameling interior and exterior wood, plaster, and metal work.
  Smewin-Williams Company, 60 Canal Rd., Cleveland, Ohio.
  Printing Concrete and Stucco Surfaces. Bulletin No. 1. 8½ x 11 ins. 8 pp. Illustrated. A complete treatise with complete specifications on the subject of Painting of Concrete and Stucco Surfaces. Color chips of paint shown in bulletin.
  Painting complete specifications for securing the most satisfactory enamel finish on interior and exterior walls and trim. Painting and Decorating of Interior Walls. Bulletin No. 4. 8½ x 11 in. 24 pp. Illustrated. An excellent reference book on Flat Wall Finish, including texture effects, which are taking.
  Mathematications. Booklet, 8½ x 10¼ ins. 4 pp. 10.
  Mathematications. Booklet, 8½ x 11 in. Data on "Barreled Sun. English. Booklet, 8½ x 11 in. Data on "Barreled Sun. English. Booklet, 8½ x 11 in. Data on "Barreled Sun. English." Science, R. 1.
  Pater and Percha Paint Co., Providence, R.I.
  Mathematications. Booklet, 8½ x 10¼ ins. 4 pp. 10.
  Mathematications. Booklet, 8½ x 10¼ ins. 4 pp. 10.
  Mathematicati

#### PAPER

- A. P. W. Paper Co., Albany, N. Y. "Here's a Towel Built for Its Job." Folder, 8 pp., 4 x 9 ins. Deals with "Onliwon" paper towels.

#### PARTITIONS

- PARTITIONS
   Circle A Products Corporation, New Castle, Ind.
   Circle A Partitions Sectional and Movable. Brochure. Illustrated. 8½ x 11½ ins. 32 pp. Full data regarding an important line of partitions, along with Erection Instructions for partitions of three different types.
   Hauserman Company, E. F., Cleveland, Ohio.
   Hollow Steel Standard Partitions. Various folders, 8½ x 11 ins. Illustrated. Give full data on different types of steel partitions, together with details, elevations and specifications.
   Improved Office Partition Company, 25 Grand St., Elmhurst, L. I. Telesco Partition. Catalog. 8¼ x 11 ins. 14 pp. Illustrated. Shows typical offices laid out with Telesco partitions, cuts of finished partitions in various woods. Gives specifications and cuts of buildings using Telesco.
   Detailed Instructions for crecting Telesco Partitions. Booklet. 24 pp. 8½ x 11 ins. Illustrated. Complete instructions, with cuts and drawings, showing how easily Telesco Partition can be erected.
- cuts and drawings, snowing now easily a detect of the better of the second se

  - pp. Illustrated. D. for inner partitions.

PIPE

- IPE American Brass Company, Waterbury, Conn. Bulletin B-1. Brass Pipe for Water Service. 8½ x 11 ins. 28 pp. Illustrated. Gives schedule of weights and sizes (I.P.S.) of seamless brass and copper pipe, shows typical installations of brass pipe, and gives general discussion of the corrosive effect of water on iron, steel and brass pipe. American Rolling Mill Company, Middletown, Ohio. How ARMCO Dredging Products Cut Costs. Booklet, 16 pp., 6 x 9 ins. Data on dredging pipe.
- entral Foundry Co., Graybar Building, New York. Introducing Nuhub Soil Pipe. 1-page folder giving data on soil pipe.

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#### SELECTED LIST OF MANUFACTURERS' PUBLICATIONS-Continued from page 90.

#### PIPE-Continued

- Clow & Sons, James B., 534 S. Franklin St., Chicago, Ill. Catalog "A." 4 x 16½ ins. 700 pp. Illustrated. Shows a full line of steam, gas and water works supplies. Cohoes Rolling Mill Company, Cohoes, N. Y. Cohoes Pipe Handbook. Booklet, 40 pp., 5 x 7½ ins. Data on

- Cohoes Rolling Mill Company, Cohoes, N. Y. Cohoes Pipe Handbook. Booklet, 40 pp., 5 x 7½ ins. Data on wrought iron pipe.
  Duriron Company, Inc., Dayton, Ohio.
  Duriron Acid, Alkali, Rust-proof Drain Pipe and Fillings. Book-let, 20 pp., 8½ x 11 ins., Illustrated. Important data on a valuable line of pipe.
  National Tube Co., Frick Building, Pittsburgh, Pa.
  "National" Bulletin No. 2. Corrosion of Hot Water Pipe, 8½ x 11 ins. 24 pp. Illustrated. In this bulletin is summed up the most important research dealing with hot water systems. The text matter consists of seven investigations by authorities on this subject.

  - text matter consists of seven investigations by automates on this subject. "National" Bulletin No. 3. The Protection of Pipe Against In-ternal Corrosion, 8½ x 11 ins. 20 pp. Illustrated. Discusses various causes of corrosion, and details are given of the de-activating and deaerating systems for eliminating or retarding corrosion in hot water supply lines. "National" Bulletin No. 25. "National" Pipe in Large Build-ings. 8½ x 11 ins. 88 pp. This bulletin contains 254 illustra-tions of prominent buildings of all types, containing "National" Pipe, and considerable engineering data of value to architects, engineers, etc.
  - modern Welded Pipe. Book of 88 pp. 8½ x 11 ins., profusely illustrated with halftone and line engravings of the important operations in the manufacture of pipe.

#### PLASTER

- Best Bros. Keene's Cement Co., Medicine Lodge, Kans. Information Book. Brochure, 24 pp., 5 x 9 ins. Lists grades of plaster manufactured; gives specifications and uses for plaster. Plasterers' Handbook. Booklet, 16 pp., 31/4 x 51/4 ins. A small
- Plasterers' Handbook. Booklet, 16 pp., 3½ x 5½ ins. A small manual for use of plasterers. Interior Walls Everlasting. Brochure, 20 pp., 6¼ x 9¼ ins. Illustrated. Describes origin of Keene's Cement and views of buildings in which it is used.

#### PLUMBING EQUIPMENT

- Central Foundry Co., Graybar Building, New York. F. & W. Revent and Drainage Fittings. Booklet, 164 pp., 41/4 x 63/4 ins.
- 4½ x 0½ ins.
  C. F. Church Mfg. Co., Holyoke, Mass. Catalog S. W.-3. Booklet, 95 pp., 7½ x 10½ ins. Illustrated. Data on Sani-White and Sani-Black toilet seats.
  Clow & Sons, James B., 534 S. Franklin St., Chicago, Ill. Catalog "M." 9¼ x 12 ins. 184 pp. Illustrated. Shows complete line of plumbing fixtures for Schools, Railroads and Industrial Plants.

- Cotalog "M." 94 x 12 ins. 184 pp. Illustrated. Shows complete line of plumbing fixtures for Schools, Railroads and Industrial Plants.
  Crane Company, 836 S. Michigan Ave., Chicago, Ill.
  Plumbing Suggestions for Home Builders. Catalog. 3 x 6 ins. 80 pp. Illustrated.
  Plumbing Suggestions for Industrial Plants. Catalog. 4 x 6½ ins. 34 pp. Illustrated.
  Planning bathrooms of small dimensions.
  John Douglas Co., Cincinnati, Ohio.
  Douglas Plumbing Fixtures. Bound Volume. 200 pp. 8½ x 11 ins. Illustrated. General catalog.
  Another Douglas Achievement. Folder. 4 pp. 8½ x 11 ins. Illustrated. Data on new type of stall.
  Hospital, Brochure. 60 pp. 8½ x 11 ins. Illustrated. Deals with fixtures for hospitals.
  Duriron Acid, Alkali and Rust-Proof Drain Pipe and Fittings. Booklet, 8½ x 11 ins. 20 pp. Full details regarding a valuable form of piping.
  Eljer Company, Ford City, Pa.
  Complete Catalog. 34 x 64 ins. 104 pp. Illustrated. Describes fully the complete Eljer line of standardized vitreous china plumbing fixtures, the Javes, Duojet Water Closets, Liquid Soap Fixtures, etc. 8½ x 11 ins. 34 pp. 104 x 7% ins. 242 pp. Illustrated. Complete datalog, showing roughing-in measurements, etc.
  Maddek's Sons Company, Thomas, Trenton, N. J.
  Catalog "K." 10½ x 7% ins. 242 pp. Illustrated. Complete data on vitreous china plumbing fixtures with brief history of Sanitary Pottery.

#### PUMPS

- CUMPS
   Chicago Pump Company, 2300 Wolfram St., Chicago, Ill.
   The Correct Pump to Use. Portfolio containing handy data. Individual bulletins, 8½ x 11 ins., on bilge, sewage, condensa-tion, circulating, house, boiler feed and fire pumps.
   Kewanee Private Utilities Co., 442 Franklin St. Kewanee, Ill.
   Bulletin E. 734 x 10½ ins. 32 pp. Illustrated. Catalog. Com-plete descriptions, with all necessary data, on Standard Service Pumps, Indian Brand Pneumatic Tanks, and Complete Water Systems. as installed by Kewanee Private Utilities Co.
   The Trane Co., LaCrosse, Wis.
   Trane Small Centrifugal Pumps. Booklet. 334 x 8 ins. 16 pp. Complete data on an important type of pump.

#### RAMPS

Ramp Buildings Corporation, 21 East 40th St., New York. Building Garages for Profitable Operation. Booklet. 8½ x 11 ins. 16 pp. Illustrated. Discusses the need for modern mid-city. parking garages, and describes the d'Humy Motoramp system of design, on the basis of its superior space economy and fea-tures of operating convenience. Gives cost analyses of garages of different sizes, and calculates probable earnings. Garage Design Data. Series of informal bulletins issued in loose-leaf form, with monthly supplements.

#### REFRIGERATION

The Fulton Syphon Company, Knoxville, Tenn. Temperature Control of Refrigeration Systems. Booklet, 8 p 8½ x 11 ins. Illustrated. Deals with cold storage, chilling water, etc.

#### REFRIGERATORS

- Lorillard Refrigerator Company, Kingston, N. Y. Lorillard Refrigerators, for hotels, restaurants, hospitals and clubs. Brochure, 43 pp. 8 x 10 ins. Illustrated. Data on fine line of refrigerators.

#### **REINFORCED CONCRETE-See also Construction, Concrete**

- Genfire Steel Company, Youngstown, Ohio. Self-Centering Handbook. 8½ x 11 ins. 36 pp. Illustrated. Methods and specifications on reinforced concrete floors, roofs and floors with a combined form and reinforced material.
- Truscon Steel Company, Youngstown, Ohio. Shearing Stresses in Reinforced Concrete Beams. Booklet. 83/2 x 11 ins. 12 pp.
- North Western Expanded Metal Company, Chicago, Ill.
  Designing Data. Book. 6 x 9 ins. 96 pp. Illustrated. Covers the use of Econo Expanded Metal for various types of reinforced concrete construction.
  Longspan ¾-inch Rib Lath. Folder 4 pp., 8½ x 11 ins. Illustrated. Deals with a new type of V-rit expanded metal.

#### ROOFING

- Barber Asphalt Co., Philadelphia, Pa. Specifications, Genasco Standard Trinidad Lake Asphalt Built-up Roofing. Booklet. 8 x 10½ ins. Gives specifications for use of several valuable roofing and waterproofing materials.
- The Barrett Company, 40 Rector St., New York City. Architects' and Engineers' Built-up Roofing Reference Series; Volume IV Roof Drainage System. Brochure. 63 pp. 83/5 x 113/4 ins. Gives complete data and specifications for many details of roofing.

- details of roofing. Philip Carey Co., Lockland, Cincinnati, Ohio. Architects Specifications for Carey Built-up Roofing. Booklet. 8 x 1034 ins. 24 pp. Illustrated. Complete data to aid in speci-fying the different types of built-up roofing to suit the kind of roof construction to be covered. Carey Built-up Roofing for Modern School Buildings. Booklet. 8 x 1034 ins. 32 pp. Illustrated. A study of school buildings of a number of different kinds and the roofing materials adapted for each.
- adapted for each. Heinz Roofing Tile Co., 1925 West Third Avenue, Denver. Plymouth-Shingle Tile with Sprocket Hips. Leaflet, 8½ x 11 ins. Illustrated. Shows use of English shingle tile with special hips. Italian Promenade Floor Tile. Folder, 2 pp., 8 ½ x 11 ins. Illustrated. Floor tiling adapted from that of Davanzati Palace. Mission Tile. Leaflet, 8½ x 11 ins. Illustrated. Tile such as are used in Italy and southern California. Georgian Tile. Leaflet, 8½ x 11 ins. Illustrated. Tiling as used in old English and French farmhouses.

- in old English and French farmhouses.
   Ludowici-Celadon Company, 104 So. Michigan Ave., Chicago, Ill.
   "Ancient" Tapered Mission Tiles. Leaflet. 8½ x 11 ins. 4 pp. Illustrated. For architects who desire something out of the ordinary, this leaflet has been prepared. Describes briefly the "Ancient" Tapered Mission Tiles, hand-made with full corners and designed to be applied with irregular exposures.
   Structural Gypsum Corporation, Linden, N. J. Relative Effectiveness of Various Types of Roofing Construction in Preventing Condensation of the Under Surface. Folder, 4 pp., 8½ x 11 ins. Important data on the subject.
   Gypsteel Pre-cast Fireproof Roofs. Booklet, 48 pp., 8½ x 11 ins. Illustrated. Information regarding a valuable type of roofing.

- U. S. Gypsum Co., Chicago. Pyrobar Roof Construction. Booklet. 8 x 11 ins. 48 pp. Illus-trated. Gives valuable data on the use of tile in roof con-struction.
- Sheetrock Pyrofill Roof Construction. Folder. 81/2 x 11 ins. Illustrated. Covers use of roof surfacing which is poured in place.

#### SASH CHAIN

Smith & Egge Mfg. Co., The, Bridgeport, Conn. Chain Catalog. 6 x 8½ ins. 24 pp. Illustrated. Covers com-plete line of chains.

#### SEWAGE DISPOSAL

Kewanee Private Utilities, 442 Franklin St., Kewanee, III. Specification Sheets. 734 x 1014 ins. 40 pp. Illustrated. Detailed drawings and specifications covering water supply and sewage disposal systems.

#### SCREENS

- American Brass Co., The., Waterbury, Conn. Facts for Architects About Screening. Illustrated folder, 9½ x 11¼ ins., giving actual samples of metal screen cloth and data on fly screens and screen doors.
- on fly screens and screen doors. Athey Company, 6015 West 65th St., Chicago, III. The Athey Perennial Window Shade. An accordion pleated win-dow shade, made from translucent Herringbone woven Coutil cloth, which raises from the bottom and lowers from the top. It eliminates awnings, affords ventilation, can be dry-cleaned and will wear indefinitely.

The Higgin Manufacturing Co., Newport, Ky. Your Home Screened the Higgin Way. Booklet. 8½ x 11½ ins. 13 pp. Illustrated in colors. Complete description of Higgin Screens, designed to meet every need.



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#### SELECTED LIST OF MANUFACTURERS' PUBLICATIONS—Continued from page 92

#### SHELVING-STEEL

David Lupton's Sons Company, Philadelphia, Pa.

Lupton Steel Shelving. Catalog D. Illustrated brochure, 40 pp., 85% x 11 ins. Deals with steel cabinets, shelving, racks, doors, partitions, etc.

#### SKYLIGHTS

Albert Grauer & Co., 1408 Seventeenth St., Detroit, Mich.

- Grauer Wire Glass Skylights. Folder, 4 pp., 8½ x 11 ins. Illus-trated. Data on an important line of wire glass lights. The Effectiveness of Sidewalk Lights. Folder, 4 pp., 81/2 x 11 ins. Illustrated. Sidewalk or vault lights.
- Let in the Light-The Light That's Free. Folder, 4 pp., 8½ x 11 ins. Illustrated. Data on securing good lighting.

#### SOUND DEADENER

Cabot, Inc., Samuel, Boston, Mass. Cabot's Deadening Quilt. Brochure, 7½ x 10½ ins., 28 pp. Illus-trated. Gives complete data regarding a well-known protec-tion against sound.

#### STAIRWAYS

Woodbridge Ornamental Iron Co., 1515 Altgeld St., Chicago. Presteel Tested for Strength-stairways, catalog, 92 pp., 8½ x 11 ins. Illustrated. Important data on stairways.

#### STEEL PRODUCTS FOR BUILDING

- Genfire Steel Company, Youngstown, Ohio. Herringbone Metal Lath Handbook. 8½ x 11 ins. 32 pp. Illus-trated. Standard specifications for Cement Stucco on Herring-bone.
  - bone. Rigid Metal Lath and interior plastering. Fireproofing Handbook. 8½ x 11 ins. 32 pp. Illustrated. De-scribes the full line of products manufactured by the Genfire Steel Company.

- Ingalls Steel Products Co., Birmingham, Ala.
   Construction Details. Booklet, 16 pp., 8½ x 11 ins. Illustrated. Important data on building with steel.
   Standard Specifications for Reinforced Concrete and the Ingalls Trust Floor. Brochure, 8 pp., 8½ x 11 ins. Authoritative specifications covering much construction.
   Ingalls Trust. Booklet, 12 pp., 8½ x 11 ins. Loading values and details. details.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. The Arc Welding of Structural Steel. Brochure, 32 pp., 8½ x 11 ins. Illustrated. Deals with an important structural process.

#### STONE, BUILDING

#### Indiana Limestone Company, Bedford, Ind.

- Volume 3, Series A-3. Standard Specifications for Cut Indiana Limestone work, 8½ x 11 ins. 56 pp. Containing specifications and supplementary data relating to the best methods of speci-fying and using this stone for all building purposes.
- Vol. 1. Series B. Indiana Limestone Library. 6 x 9 ins. 36 p Illustrated. Giving general information regarding Indian Limestone, its physical characteristics, etc. 36 pp.
- Vol. 4. Series B. Booklet. New Edition. 3½ x 11 ins. 64 pp. Illustrated. Indiana Limestone as used in Banks. Volume 5. Series B. Indiana Limestone Library. Portfolio. 11½ x 8¼ ins. Illustrated. Describes and illustrates the use of stone for small houses with floor plans of each.
- Volume 6, Series B—Indiana Limestone School and College Build-ings. 8½ x 11 ins., 80 pages, illustrated. Volume 12, Series B—Distinctive Homes of Indiana Limestons. 8½ x 11 ins., 48 pages, illustrated.

Old Gothic Random Ashlar. 81/2 x 11 ins., 16 pages, Illustrated.

#### STORE FRONTS

Brasco Manufacturing Co., 5025-35 South Wabash Avenue, Chicago.

Catalog No. 31. Series 500, All-Copper Construction. Illus-trated brochure. 20 pp. 81/2 x 11 ins. Deals with store fronts of a high class.

Brasco Copper Store Fronts. Catalog No. 32. Series 202.

- Brasco Standard Construction. Illustrated brochure. 16 pp. 8½ x 11 ins. Complete data on an important type of building.
- Detail Sheets. Set of seven sheets; printed on tracing paper, showing full sized details and suggestions for store front de-signing, enclosed in envelope suitable for filing. Folds to  $8\frac{1}{2} \times 11$  ins.
- by x 11 ms.
  Davis Solid Architectural Bronze Sash. Set of five sheets, printed on tracing paper, giving full sized details and suggestions for designing of special bronze store front construction, enclosed in envelope suitable for filing. Folds to 8½ x 11 ins.
  The Kawneer Company, Niles, Mich.
  Store Front Suggestions. Booklet, 96 pp., 6 x 8½ ins. Illustrated. Shows different types of Kawneer Solid Copper Store Fronts.
- Fronts. Catalog K. 1927 Edition. Booklet, 32 pp., 81/2 x 11 ins. Illus-
- trated. Details of Kawneer Copper Store Fronts. Detail Sheets for Use in Tracing, Full-sized details on sheets 17 x 22 ins.

#### STORE FRONTS-Continued

- Kawneer Construction in Solid Bronze or Copper. Booklet, 64 pp., 8½ x 11 ins. Illustrated. Complete data on the subject.
  Modern Bronze Store Front Co., Chicago Heights, Ill.
  Introducing Extruded Bronze Store Front Construction. Folder, 4 pp., 8½ x 11 ins. Illustrated. Contains full sized details of metal store fronts.
- Zouri Drawn Metals Company, Chicago Heights, Ill. Zouri Safety Key-Set Store Front Construction. Catalog. 8½ x 10½ ins. 60 pp. Illustrated. Complete information with detailed sheets and installation instructions convenient for architects' file: files.
- International Store Front Construction. Catalog. 8½ x 10 ins. 70 pp. Illustrated. Complete information with detailed sheets and installation instructions convenient for architects' files.

#### SWIMMING POOL EOUIPMENT & STERILIZATION

R. U. V. Company, Inc., 383 Madison Ave., New York City. Water Sterilization by Means of Ultra Violet Rays. Booklet. 8½ x 11 ins. 16 pp. Full data on a system of purifying water. Swimming Pool Sterilization. Booklet. 8½ x 11 ins. 24 pp. Describes a method of purifying water in bathing pools.

#### TERRA COTTA

- National Terra Cotta Society, 19 West 44th St., New York, N. Y. Standard Specifications for the Manufacture, Furnishing and Setting of Terra Cotta. Brochure. 8½ x 11 ins. 12 pp. Com-plete Specification, Glossary of Terms Relating to Terra Cotta and Short Form Specification for incorporating in Architects' Specification.
- Color in Architecture. Revised Edition. Permanently bound volume, 9% x 12¼ ins., containing a treatise upon the basic principles of color in architectural design, illustrating early European and modern American examples. Excellent illustra-tions in color.
- Present Day Schools. 8½ x 11 ins. 32 pp. Illustrating 42 ex-amples of school architecture with article upon school building design by James O. Betelle, A. I. A. Better Banks. 8½ x 11 ins. 32 pp. Illustrating many banking buildings in terra cotta with an article on its use in bank design by Alfred C. Bossom, Architect.

#### TILE, HOLLOW

National Fire Proofing Co., 250 Federal St., Pittsburgh, Pa.

- Standard Wall Construction Bulletin 174. 81/2 x 11 ins. 32 pp. Illustrated. A treatise on the subject of hollow tile wall construction.
- Standard Fireproofing Bulletin 171. 8½ x 11 ins. 32 pp. Illus-trated. A treatise on the subject of hollow tile as used for floors, girder, column and beam covering and similar construction
- Natco Double Shell Load Bearing Tile Bulletin. 81/2 x 11 ins.
- Acto Double Sheh Joan bearing The Bulletin. 5/2 x 11 hs. 6 pp. Illustrated. Natco Uninbacker Tile Bulletin. 8½ x 11 ins. 4 pp. Illustrated. Natco Header Backer Tile Bulletin. 8½ x 11 ins. 4 pp. Illustrated. trated.

Natcoflor Bulletin. 81/2 x 11 ins. 6 pp. Illustrated.

Natco Face Tile for the Up-to-Date. Farm Bulletin. 81/2 x 11 ins.

#### TILES

- Kraftile Company, 55 New Montgomery St., San Francisco. High Fired Faience Tile. Booklet. 32 pp. 8½ x 11 ins. Illustrated. Presents a fine line of tiles for different purposes.
   Unites States Quary Tile Co., Parkersburg, W. Va. Quary Tiles for Floors. Booklet, 119 pp. 8½ x 11 ins. Illustrated. General catalog. Details of patterns and trim for floors.
- Art Portfolio of Floor Designs. 9¼ x 12¼ ins. Illustrated in colors. Patterns of quarry tiles for floors.

#### VALVES

- Crane Co., 836 S. Michigan Ave., Chicago, Ill.
- No. 51. General Catalog. Illustrated. Describes the complete line of the Crane Co.

- line of the Crane Co.
  C. A. Dunham Co., 450 East Ohio St., Chicago.
  The Dunham Packless Radiator Valve Brochure, 12 pp., 8 x 11 ins. Illustrated. Data on an important type of valve.
  Illinois Engineering Co., Racine Ave., at 21st St., Chicago, III. Catalog. 8½ x 11 ins. 88 pp. Illustrated.
  Jenkins Bros., 80 White St., New York.
  The Valve Behind a Good Heating System. Booklet. 4½ x 7¼ ins. 16 pp. Color plates. Description of Jenkins Radiator Valves for steam and hot water, and brass valves used as boiler connections.
  Jenkins Valves for Plumbing Service. Booklet. 4½ and the state of the s
- Jenkins Valves for Plumbing Service. Booklet. 4½ x 7¾ ins. 16 pp. Illustrated. Description of Jenkins Brass Globe, Angle Check and Gate Valves commonly used in home plumbing, and Iron Body Valves used for larger plumbing installations.

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#### SELECTED LIST OF MANUFACTURERS' PUBLICATIONS—Continued from page 94

#### VENETIAN BLINDS

Burlington Venetian Blind Co., Burlington, Vt. Venetian Blinds. Booklet. 7 x 10 ins., 24 pp. Illustrated. De-scribes the "Burlington" Venetian blinds, method of operation, advantages of installation to obtain perfect control of light in

#### VENTILATION

- American Blower Co., Detroit, Mich. American H. S. Fans. Brochure, 28 pp., 8½ x 11 ins. Data on an important line of blowers.
- Duriron Company, Dayton, Ohio. Acid-proof Exhaust Fans. Folder. 8 x 10½ ins. 8 pp. Data regarding fans for ventilation of laboratory fume hoods. Specification Form for Acid-proof Exhaust Fans. Folder, 8 x 10½ ins.
- Bis.
  Globe Ventilator Company, 205 River St., Troy, N. Y.
  Globe Ventilators Catalog. 6 x 9 ins. 32 pp. Illustrated pro-fusely. Catalog gives complete data on "Globe" ventilators as to sizes, dimensions, gauges of material and table of capacities. It illustrates many different types of buildings on which "Globe" ventilators are in successful service, showing their adaptability to meet varying requirements.
- Van Zile Ventilating Corporation, 155 East 42nd St., New York, N. Y.
- N. Y. The Ventadoor Booklet. 6½ x 3½ ins. 16 pp. Illustrated. scribes and illustrates the use of the Ventadoor for E Clubs, Offices, etc. Hotels,

#### WATERPROOFING

- Carey Company, The Philip, Lockland, Cincinnati, Ohio Waterproofing Specification Book. 8½ x 11 ins. 52 52 DD. Genfire Steel Company, Youngstown, Ohio.
- Waterproofing Handbook. Booklet. 81/2 x 11 ins. 80 pp. Illus-trated. Thoroughly covers subject of waterproofing concrete, wood and steel preservatives, dustproofing and hardening con-crete floors, and accelerating the setting of concrete. Free distribution.
- Master Builders Company, Cleveland, Ohio. Waterproofing and Dampproofing and Allied Products. Sheets in loose index file, 9 x 12 in. Valuable data on different types of materials for protection against dampness. Waterproofing and Damproofing File, 36 pp. Complete descrip-tions and detailed specifications for materials used in building with concrete.
- with concrete.
  Sommers & Co., Ltd., 342 Madison Ave., New York City.
  "Permantile Liquid Waterproofing" for making concrete and cement mortar permanently impervious to water. Also circulars on floor treatments and cement colors. Complete data and specifications. Sent upon request to architects using business stationery. Circular size, 8½ x 11 ins.
  Sonneborn Sons, Inc., L., 116 Fifth Ave., New York, N. Y. Pamphlet. 334 x 834 ins. 8 pp. Explanation of waterproofing principles. Specifications for waterproofing walls, floors, swimming pools and treatment of concrete, stucco and mortar.
  Toch Brothers, 110 East 42d St., New York City.
  Specifications for Damproofing, Waterproofing, Enameling and Technical Painting. Complete and authoritative directions for use of an important line of materials.
  The Vortex Mfz. Co., 1978 West 77th St., Cleveland, Ohio.

- use of an important line of materials. The Vortex Mfg. Co., 1978 West 77th St., Cleveland, Ohio. Par-Lock Specification "Form D" for waterproofing surfaces to be finished with Portland cement or tile. Par-Lock Specification "Forms E and G" membrane waterproof-ing of basements, tunnels, swimming pools, tanks to resist hydrostatic pressure. Par-Lock Waterproofing. Specification Forms D, E. F and G. Sheets, 8½ x 11 ins. Data on combinations of gun-applied asphalt and cotton or felt membrane, built up to suit require-ments. ments.
  - Par-Lock Method of Bonding Plaster to Structural Surfaces Folder, 6 pp., 8½ x 11 ins. Official Bulletin of Approved Products,-Investigating Committees of Architects and En-

#### WEATHER STRIPS

- Athey Company, 6035 West 65th St., Chicago. The Only Weatherstrip with a Cloth to Metal Contact. Booklet, 16 pp., 8½ x 11 ins. Illustrated. Data on an important type of weather stripping.
- The Higgin Manufacturing Co., Newport, Ky. Higgin All-Metal Weather Strips. Booklet. 6 x 9 ins. 21 pp. Illustrated in colors. Describes various types of Higgin Weather Strips for sealing windows and doors against cold and dust.

#### WINDOWS

- The Kawneer Company, Niles, Mich. Kawneer Solid Nickel Silver Windows. In casement and weight-hung types and in drop-down transom type. Portfolio, 12 pp., 9 x 11½ ins. Illustrated, and with demonstrator.
- David Lupton's Sons Company, Philadelphia, Pa. Lupton Pivoted Sash. Catalog 12-A. Booklet, 48 pp., 85% x 11 ins. Illustrates and describes windows suitable for manufacturing buildings.

#### WINDOWS, CASEMENT

Crittall Casement Window Co., 10951 Hearn Ave., Detroit, Mich. Catalog No. 22. 9 x 12 ins. 76 pp. Illustrated. Photographs of actual work accompanied by scale details for casements and composite steel windows for banks, office buildings, hospitals and residences.

- Genfire Steel Company, Youngstown. Ohio. Architectural Details, Casement Windows and Doors. 8½ x 11 ins. 28 pp. A. I. A. File No. 16e. Specifications and con-struction details.
- Hope & Sons, Henry, 103 Park Ave., New York, N. Y. Catalog. 12½ x 18½ ins. 30 pp. Illustrated. Full size details of outward and inward opening casements.

he Kawneer Company, Niles, Mich. Kawneer Solid Nickel Silver Windows. In casement and weight-hung types and in drop-down transcom type. Portfolio, 12 pp., 9 x 11½ ins. Illustrated, and with demonstrator.

- David Lupton's Sons Company, Philadelphia, Pa. Lupton Casement of CopperSteel, Catalog C-122. Booklet, 16 pp., 85% x 11 ins. Illustrated brochure on casements, particularly for residences. Lupton Heavy Casements. Detail Sheet No. 101, 4 pp., 8½ x 11 ins. Details and specifications only.

- Richards-Wilcox Mfg. Co., Aurora, Ill. Casement Window Hardware. Booklet, 24 pp., 8½ x 11 ins. Illustrated. Shows typical installations, detail drawings, con-struction details, blue-prints if desired. Describes AIR-way Multifold Window Hardware.
- Architectural Details. Booklet. 8½ x 11 ins. 16 pp. Tables of specifications and typical details of different types of construction.
- List of Parts for Assembly. Booklet. 81/2 x 11 ins. 16 pp. Full lists of parts for different units.

#### WINDOWS, STEEL AND BRONZE

- Genfire Steel Company, Youngstown, Ohio. Architectural Details, Steel Pivoted, Commercial and Architec-tural Projected Windows. 8½ x 11 ins. 24 pp. A. I. A. File No. 16e. Specification and construction details.

- No. 16e. Specification and construction details.
  David Lupton's Sons Company, Philadelphia, Pa.
  A Rain-shed and Ventilator of Glass and Steel. Pamphlet, 4 pp., 85% x 11 ins. Deals with Pond Continuous Sash. Sawtooth Roofs, etc.
  How Windows Can Make Better Homes. Booklet. 3% x 7 ins. 12 pp. An attractive and helpful illustrated publication on use of steel cosements for domestic buildings.
  Truscon Steel Company, Youngstown, Ohio.
  Drafting Room Standards. Book. 8½ x 11 ins. 120 pages of mechanical drawings showing drafting room standards, specifications and construction details of Truscon Steel Windows, Steel Lintels, Steel Doors and Mechanical Operators.
- Truscon Solid Steel Double-Hung Windows. 24 pp. Booklet. 8½ x 11 ins. Containing illustrations of buildings using this type of window. Designs and drawings of mechanical details.

#### WOOD-See also Millwork

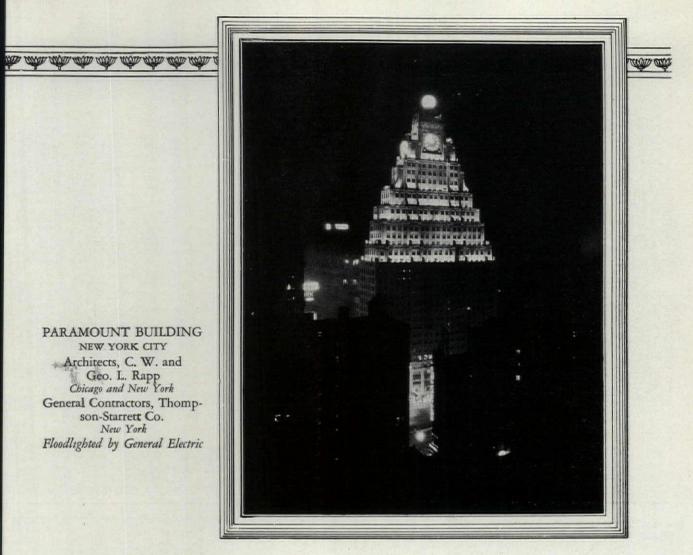
- American Walnut Mfrs. Association, 618 So. Michigan Blvd., Chicago, Ill.
- Chicago, Ill. American Walnut. Booklet 7 x 9 ins. 45 pp. Illustrated. A very useful and interesting little book on the use of Walnut in Fine Furniture with illustrations of pieces by the most notable furniture makers from the time of the Renaissance down to the present. "American Walnut for Interior Woodwork and Paneling." 7 x 9 ins. Pages illustrated. Discusses interior woodwork, giving costs, specifications of a specimen room, the different figures in Walnut wood, Walnut floors, finishes, comparative tests of physical properties and the advantages of American Walnut for woodwork.

Curtis Companies Service Bureau, Clinton, Iowa. Better Built Homes. Vols. XV-XVIII, inc. Booklet. 9 x 12 ins. 40 pp. Illustrated. Designs for houses of five to eight rooms, respectively, in several authentic types, by Trowbridge & Ackerman, architects, for the Curtis Companies.

- Long-Bell Lumber Co., Kansas City, Mo.
  The Perfect Floor. Booklet. 5½ x 7½ ins. 16 pp. Illustrated. Valuable for the data given on the use of wood for floors.
  Saving Home Construction Costs. Booklet, 4½ x 7½ ins. 24 pp. Discusses economy and value in domestic building.
  Experiences in Home Building. Booklet. 6 x 9 ins. 16 pp. Records the testimony of a number of builders and contractors as to the value of certain materials.
  The Post Everlasting. Booklet. 8 x 11 ins. 32 pp. Illustrated. Describes the production of posts and their use in various ways.
- West Coast Lumber Trade Extension Bureau, Scattle, Wash.
  "Durable Douglas Fir; America's Permanent Lumber Supply." Booklet, 32 pp., 7 x 11 ins. Illustrated. Complete data on this valuable wood.
  "Douglas Fir Wall Hanger." Metal-bound hanger, 31 x 32 ins. An attractive advertisement for Douglas fir. "Where to Use Douglas Fir in Your Farm." Brochure, 32 pp., 6 x 9 ins. Data on use of this wood for farm buildings.

Iay, 1928

97



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\*Proper planning, while the building is being designed, materially reduces both the initial, and subsequent operating cost of the floodlighting equipment essential for the desired effects. The service of our illuminating engineers is always available on request and places neither architect nor owner under any obligation.  $E^{VERY}$  night, General Electric floodlighting identifies this building to multitudes in the Metropolis of the world. It immediately associates the structure with the art and industry which it was built to house and makes it a veritable landmark which draws and holds attention as far as it can be seen.

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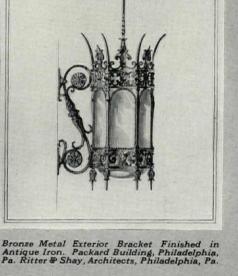
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Designers and Manufacturers of Lighting Fixtures

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Part One

May, 1928

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\*CELLized Oak Floor Blocks cost less per square foot laid and finished than any other floor covering suitable for hotels. Designed in complete units and laid in "Everbond" (a plastic cement) without nails, faster and more easily than strip flooring. When laid directly over cement, they eliminate screeds and subfloor, saving at least 21/2 inches in height per story, with the same head room per floor. This resultant economy in structural cost often exceeds the entire cost of the floor. The \*CELLizing process



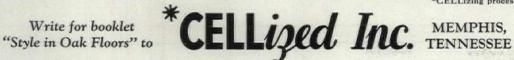
Designed in units Laid without nails

prevents expansion or contraction in the blocks, and the floor remains tight, smooth and non-squeaking. Insect and rodent proof.

Now at last, style and beauty combined with economy transform a mere floor into the most noticeable element in room decoration. Rugs may be moved about as desired for appearance, and to prevent wear. Replacement expense, always a heavy item in hotel upkeep is eliminated, for \*CELLized oak blocks are permanent and are easily kept in perfect condition.

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are sold through lumber dealers everywhere; manufactured by TENNESSEE OAK FLOORING CO. . . . Nashville, Tenn. NASHVILLE HARDWOOD FLOORING CO. . Nashville, Tenn. BRADLEY LUMBER CO. of Arkansas . . . . Warren, Ark. E. L. BRUCE CO. . . . . . . . . . . Memphis, Tenn. LONG BELL LUMBER CO. . . . . . . . Kansas City, Mo.

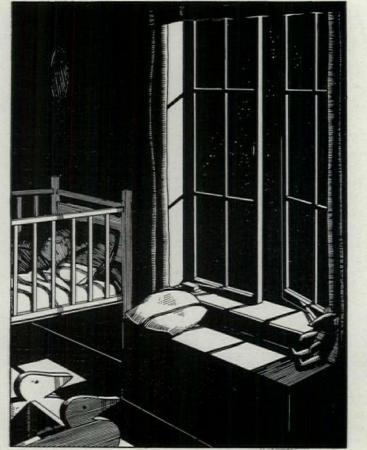


Hotels throughout the Hotels throughout the country, in remodeling, are laying \*CELLized blocks over perishable floors. The above illus-tration is a remodeled guest room in the Pea-body Hotel, Memphis. Three sizes-6%, 9, and 11 inch squares, propor-tion the design to any room area.

tion the design to any room area. The commonly used narrow face flooring, as well as Oak Floor Planks, random widths, are also obtainable chemically treated by the \*CELLizing process. Write for literature.

99

#### ARCHITECTURAL DESIGN



Win-Dor Series 61 Casement Stays, like Series 25 Crank-Style Operators, come in all standard hardware finishes including those paintable to match the trim.

### Night-time quiet and security for those airy casements

Have you ever been startled awake in the night because an insecure casement banged open or shut? Perhaps shattering the glass?

Think, then, of the terror of a child so wakened. Or the annoyance of its parents, your clients.

Casement hardware may seem a small thing, but peace of mind at night is not so negligible.

Wherefore your clients will so greatly appreciate Win-Dor Stays and Operators—

the only kind which lock both positively and automatically and remain quiet, without adjustment, for years and years. Even greater beauty and precision in the 1928 Win-Dor devices. Write for attractive new catalogue.

All Win-Dor devices use a sash-channel shaped like the one below and trade-marked at the left end. Look for this identifying shape and mark. It *guarantees* satisfaction.

New A. I. A. file catalogue now awaiting your request.



#### THE ARCHITECTURAL FORUM

**RUB** 

5

Aay, 1928

101

American Cities

Union Square Drawing by M. PAUL ROCHE

(Series No. 13)

SAN FRANCISCO, CALIFORNIA

The NATION-WIDE popularity of Duraflex-A —the permanent, resilient flooring material—is only natural. Its surface is seamless, smooth and durable. Pounding footsteps have no effect on it and all sound is deadened. Dust cannot adhere to it. Nor can acids, alkalies, fire or water mar its enduring beauty. Duraflex-A meets *economically* every requirement of modern construction. For complete data and specifications, write: The Duraflex Company, Inc., Baltimore, Maryland. Offices in principal cities.

### DURAFLEX-A FLOORING

A Duraflex-A Installation LIBRARY, PACIFIC SCHOOL OF RELIGION, BERKELEY, CALIF. MR. W. H. RATCLIFFE, Architect

### IT WAS HIS FIRST VISIT TO NEW YORK

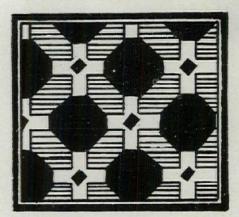


ROVER CLEVE-LAND was serving his second term as President of the United States when Mr.

C. T. Lersch of the John Lersch Co., Elyria, Ohio, came to New York.

That was in 1895-33 years ago. Yet one eventful occasion during that visit is still clear and fresh in Mr. Lersch's mind.

"I remember distinctly," says Mr. Lersch, "that on my first trip to New York, I called at the office of Joseph Wild & Co. and placed an order for Wild's Linoleum which even at that time was firmly established in our store. Our sale of Wild's Linoleum has always been and is today many times larger than all other makes combined. There has been no



Itlantic Marble—No. 2107—One of the latest patterns nWild's Linoleum. Especially for porch, sun parlor or breakfast room. In 4 color combinations.



merchandise in our entire establishment which has given better satisfaction both to ourselves and our customers."

Do you know why Wild's give Avenue, New such satisfaction to dealers? York, Sole Because Wild has always given selling agents the dealer a square deal. Wild for American has always offered a large per- Linoleum Co. AMERICAN LINOLEUM



centage of profit. Wild has always sold direct to dealers Wild has always protected the dealer-even on large contract jobs. Wild has never submitted bids in competition with its dealers.

Do you know why Wild's gives such satisfaction to customers? Because Wild's, the first linoleum made in America, is still first-in quality, pattern variety and color beauty.

Mr. Lersch, we are glad to say, has visited New York many times since 1895. And many times has he called at the showrooms of Joseph Wild. You too will find it profitable practice on your trips to New York, to visit our showrooms. May we expect you for the approach-

ing opening? Joseph Wild & Company, 230 Fifth



THE ORIGINAL

Part On

Tay, 1928

The modern department slore of the Levy Mercantile Co., at Jacksonville, Fla., with all plate set securely in Davis Solid Bronze. Architects, Marsh & Saxelley.

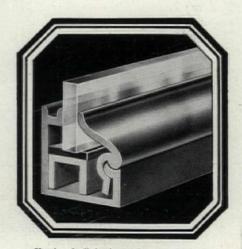


### A Completely Unified System of Solid Bronze at Its Best

There is no factor more appreciated with the passing years than the everlasting beauty of the bronze that frames the store windows. Today, all the advantages of this enduring metal are wrought into Davis construction-solid strength, perfect co-ordination of all parts-assured glass safety through its unique patented fulcrum principle.

Architects have been quick to perceive these benefits, for Davis has been going into building after building of the most advanced design-office, apartment and hotel structures, department stores and individual shops. No other form of construction can measure up to Davis in any way-there is nothing like it. Actual samples, freely available, will be convincing. Full sized details, as well, promptly upon request.

DAVIS EXTRUDED SASH CO. Lincoln. Nebraska Complete Stocks Carried at New York, Chicago and **Convenient** Centers



Showing the distinctive Davis patented fulcrum principle of holding the glass safely. Install-ation is simple, with all plate set from the out-side without need for putty or plastic cement.

#### ARCHITECTURAL DESIGN

Part One



Home of Mrs. E. L. Rice, Christiansburg, Va.

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There is no finer furniture of this type made. Trico is both the oldest and largest maker in the industry. For many years architects have been specifying Trico-equipment on new and remodeling jobs in homes, hotels, churches, hospitals, private offices — buildings of every kind. Our district manager in your locality works directly with the heating contractor, and is glad to place his services at the disposal of architects.

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Specification Folder, AIA, 30C41.



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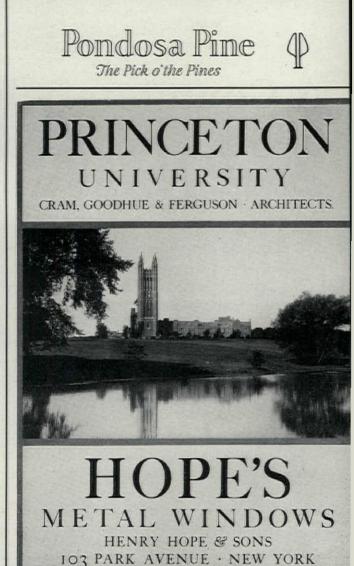


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#### THE ARCHITECTURAL FORUM



PROBABLY the one room that stands the hardest wear of all is the bathroom. Water, steam, quick-changing temperatures, the weight of fixtures . . . all severely test bathroom walls.

BEST BROS. Keene's Cement builds tough, durable walls which resist all these attacks and remain enduring and beautiful. For 39 years, architects, builders and plasterers have recognized BEST BROS. Keene's as the standard Cement for better bathroom walls.

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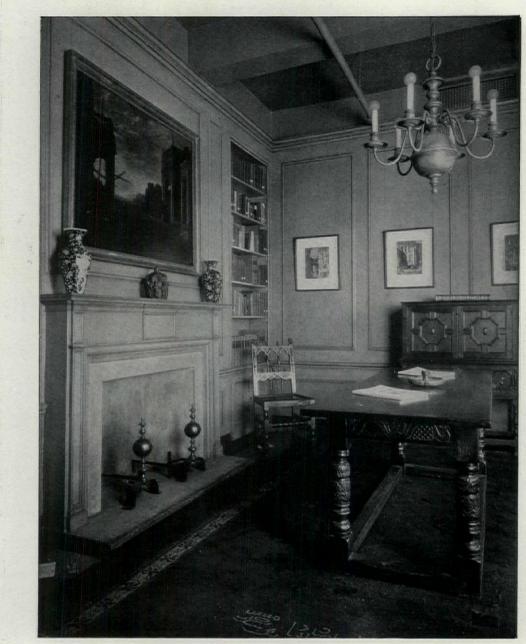
All the newest finishes and the latest color and panel effects are easily obtained by its use. It makes intimate the boudoir wall, and formal the imposing bank interior. Its retempering quality simplifies the plasterer's work.

And you needn't sacrifice strength for beauty. BEST BROS. Keene's Cement combines both ... and it costs no more in the long run.

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The Owner

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A RECENT article in a prominent magazine told several ways that a prospective buyer could check the construction of a house. One is to test the mortar with a key or stout knife blade and see whether it is hard and firm or easily scraped out in a fine powder.

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Kosmortar gives this extra measure of strength and convenience without increasing cost. It is actually less expensive. The Ideal Cement for Masonry. Kosmos Portland Cement Co., Incorporated, Kosmosdale, Ky., Sales Offices Louisville, Ky.

#### **Kosmos Portland Cement**

Constant refining of manufacturing processes without changing the basic formula gives a cement that is perfectly adapted to the present-day demands for high early strength while assuring the permanence for which it has been noted in the past.



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For instance, there are 53 standard sizes of Lupton Residence Casements. These standard units may be combined or installed singly to fill practically any



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shape or size of window opening. Each standard unit is tapped to receive the usual accessories, such as shade and curtain brackets, awning fixtures, etc.

Branch Lupton Offices and Agents in all principal cities are completely equipped to submit detailed information while centrally located Lupton Warehouses ensure prompt delivery of windows to your job. In larger centers the services of skilled erection crews are available.

This modern mid-western home is equipped with Lupton Case-ments throughout, for only \$355

These are a few of the facilities which Lupton has developed to the end that you can use good windows with utmost convenience and the assurance of a satisfactory installation. If the Lupton Catalogue C-217 is not in your files, write for a copy. Or ask for any other window information you need.



108

ay, 1928

CAL

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A WOMAN'S eyes sparkle with the desire for possession when she sees this compact, colorful kitchen. Note also that the combination of McDougall Domestic Science Built-In Kitchen Units shown above is complete in every detail. Nothing has been left out that makes for modern convenience and utility . . . Write the nearest office below for the new McDougall catalogue, "Better Kitchens for Homes and Apartments." It comes in standard A. I. A. file.

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Adv. No. 14

MCDOUGALL COMPANY Frankfort, Indiana



New York Built-in Products Co., 19 W. 44th St. Rochester Teekorator, Inc., Cutler Bldg, Baltimore Brauns & Graham, 509 N. Charles St. Reading Merritt Lbr. Yds., Inc., 4th & Spruce Sts. Trenton, N. J. Hart Engineering Co., 213 E. Hanover St. Iay, 1928

# CLEARNESS

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Since no specific rule can be laid down as to the size and number of defects permitted in any particular grade of glass, the safest method is to use the make of a manufacturer who has a world-wide reputation for high grading.

The grading of "The BEST Glass" is the recognized standard for the United States and is higher than foreign standards. Write today for complete specification sheet.



A clear, beautiful ultra-violet ray transmission glass that makes every window a source of health. Write for Booklet and Specification Sheet.

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World's Largest Producer of Window Glass GENERAL OFFICES: PITTSBURGH, PA. BRANCHES IN PRINCIPAL CITIES

HIS strong, sturdy fence that comes from France G does much more than add beauty to a landscape. It gives the most dependable service through all types of weather conditions, and over the longest period of years of any fence on the market today.

There's a strip of Dubois on an estate at Westbury, L. I., for instance, that has gone over 25 years without needing repairs, and hundreds of other installations both here

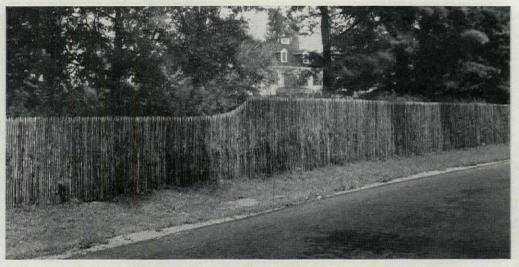
and abroad have similar records of uninterrupted service.

Unlike wire fences, Dubois requires no periodic painting, which makes its cost compare all the more favorably as time goes on. It is the most economical,

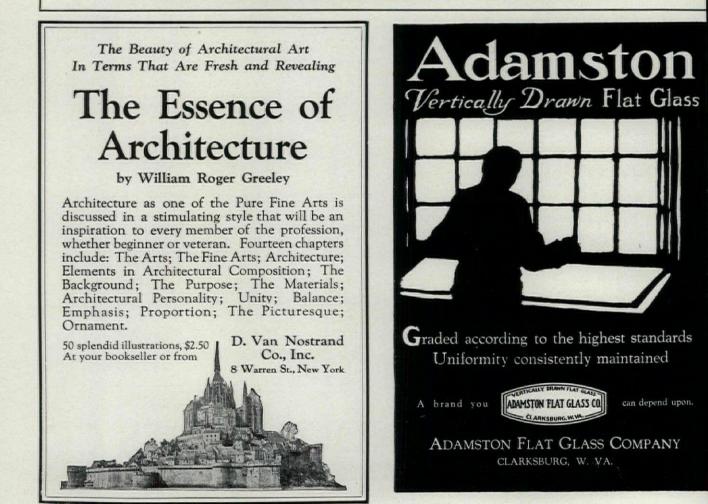
DUBOIS Woven Wood Fence

and at the same time the most artistic fence you can buy.

> Prices and Erection Data may be had on request from ROBERT C. REEVES Co., Sole Importers, 187 Water St., New York City.



Made by hand of split, live chest-nut saplings woven closely to-gether with heavy, rust-proof Copperweld unre. Comes in 5-ft. sections, in three heights, 3'10'', 4' 11'' and 6' 6'', and is easily erected.



Lay, 1928



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LIBBEY-OWENS "A" quality glass is twice inspected and twice graded to insure its measuring up to our exacting standards. To protect its brilliant lustre, it is packed with water-marked paper between the lights, and to identify this superior glass, each individual light bears the manufacturer's label.

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#### ARCHITECTURAL DESIGN

Part Or

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THE ARCHITECTURAL FORUM



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#### THE KITTINGER COMPANY, Buffalo. "Dining Rooms of Distinction." A booklet concerning their furnishing.

In the spacious interiors of American town and country houses, and even in the homes of those of more modest circumstances, there is no room where such great possibilities for formal and dignified treatment are presented as in the dining room. The growing popularity of accurately wrought reproductions and adaptations of the best examples of period furniture is doing much to enhance the beauty of the American home. In furniture by the Kittinger Company, of Buffalo, an effort has been made to preserve the best traditions of the master cabinet makers of old, and to make it possible for Americans of even moderate means to adorn their homes with suites and pieces which faithfully reflect the feeling, spirit and charm of the originals, but which are adapted to the needs of modern usage. In a little booklet called "Dining Rooms of Distinction" suites in various periods are illus-trated in appropriate settings, with text descriptions. In addition to several dining rooms illustrated in this manner, there is a paragraph suggesting the treatment for a large executive office, with some cuts showing individual pieces of walnut furniture which are entirely appropriate.

#### THE GEORGIA MARBLE COMPANY, Tate, Ga. "Memorials of Today for Tomorrow." A brochure on their design.

Many of architecture's notable achievements have taken the form of memorials of one type or another; in fact some of architecture's earliest triumphs,—if they are not regarded rather as triumphs of engineering,—are in the form of tombs for the monarchs of a long line of dynasties. But that few departments of architecture have suffered more from expression of bad or questionable taste, numerous examples in any cemetery will prove; in fact in certain quarters there is a tendency to discourage the erection of memorials and to keep a cemetery in a form which resembles a park. What can be done when the designing of memorials is directed by good taste is shown in this volume, which deals with the simplest of monuments or tombstones as well as with those of more architectural importance and even with mausoleums. The text, which forms a considerable part of the volume, has been very carefully prepared, and the work has been illustrated with reproductions of water colors of unusual beauty, which by their excellence give it a high value.

#### UNITED STATES GYPSUM COMPANY. "A Treatise on Textured Wall Finishes." Their usefulness and desirability.

In designing the interiors of houses as well as other buildings, in order to obtain the most pleasing effects it is necessary that proper attention be given to the texture and color of the wall finish to be used. This should be studied carefully in its relation to the general style of architecture of the building, the purpose for which a particular room is to be used, and the hangings and furnishings which are to be installed. Recently unusual and beautiful effects as well as remarkable imitations of traditional and expensive materials such as travertine and Caen stone have been made possible by the use of "Textone," a product of the United States Gypsum Company. The decorative possibilities of this material are practically unlimited, ranging from a plain flat wall covering to use of carefully painted diapers and decorative designs. The methods of obtaining these effects, which are surprisingly simple, are described fully in a booklet recently issued by the company entitled "A Treatise on Textured Wall Finishes." The written descriptions of the processes are The written descriptions of the processes are supplemented step by step by illustrations showing exactly how the material is applied and the desired texture secured. A good idea of the material's decorative value is suggested by color plates showing the various finishes in connection with decorative fabrics and in compositions of furniture and interior architecture. Another interesting feature of the treatise is the description of how Textone may be used for wall decorations and even on smaller objects, such as chests, pottery and jewel boxes. The illustrations are very pleasing, dealing with an unusual use of a wall material.

#### WALLACE NUTTING, Framingham, Mass. "Wallace Nutting Furniture, Rugs and Iron." A brochure on their use.

The widespread interest which during many years has been taken in early American furniture and household accessories has quite naturally caused a wide demand which dealers have been more than willing to supply. Obviously, the supply of old pieces belonging to the period is limited, but it has been found possible to reproduce the old giving the reproduction every detail of value possessed by the old excepting perhaps the sentimental interest, which after all is not half as important as might be supposed. Mr. Nutting's reproductions have long been among the very best. Unlike many manufacturers, he is willing to reproduce without making alterations in design which in more than nine cases out of ten ruin the pieces for the discriminating, and he has been successful in securing as models a large number of pieces of the first order of merit. This booklet, which is priced at \$1, is filled with illustrations which could not fail to be of importance to architects and decorators interested in creating an early American setting. Fully as good as the furniture are the ironwork, of simple, rather primitive character, and the assortment of "hooked" rugs.

#### THE PORTLAND CEMENT ASSOCIATION, Chicago. "Facts About Concrete Building Tile."

The vast growth in the use of building tile which has come about during recent years has been caused by the material's possessing a number of very practical advantages, among them,—to mention only two,—are its great strength and its resistance to fire. This booklet, one of many issued by the Portland Cement Association, describes and illustrates the various kinds of building tile and the correct methods of using them, dwelling also on the coating of the tile with different kinds of decorative plaster or stucco. Architectural designers are likely to be interested in the brochures' illustrations of structures,—residences, apartment houses, schools, etc.,—which have been built of tile, the illustrations proving that architects have mastered the use of the material and are now giving to structures so built all the grace and suavity which can be given buildings of other materials. One particularly interesting detail of the booklet is its illustrating on page 15 sections of two concrete tile walls, one faced with stucco and the other veneered with a facing of brick.

#### KANTACK & COMPANY, Inc., New York. The Kaleidoscope. An important quarterly publication on lighting.

The important part played in modern decoration by ornamental metalwork and lighting fixtures is very apparent, as is evidenced by the various exhibitions and actual installations of this sort of work to be seen in many of the larger stores and galleries. Modern methods of lighting are especially interesting and show a tendency to break away from the former custom of thinking of all lighting problems in terms of candlesticks, gas jets and globes. Skilled crafts-men and designers are busy developing lighting effects and decorative fixtures which are not based entirely on prece-dents of bygone days, when facilities were not what they are now, but which make use of the modern incandescent lamp in ways which are new and worthy of the present. The work done in this direction by Kantack & Company, of New York, is notable and is recorded in a periodical, pub-lished quarterly, called *The Kaleidoscope*. The phrase "a quarterly reflection of current good taste in illumination and ornamentation" is quite descriptive of this little booklet as is indicated by the subjects covered in the April, 1928 issue. There is an article on lights and lighting, past and present; a description of the recent exhibition of modern decorative art at Lord & Taylor's; some interesting accounts of the development of various metals and finishes; and various other topics of interest to decorators and designers. The illustrations are particularly interesting and consist of reproductions from photographs of examples of modern motifs and compositions, all valuable and notably interesting, though some might be considered more important than others.

#### THE ARCHITECTURAL FORUM

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#### **REVIEWS OF MANUFACTURERS' PUBLICATIONS**

#### J. G. ROBINSON, 6202 Germantown Avenue, Philadelphia. "Robinson Flagstones." For exterior or interior use.

Architects and interior decorators as well as landscape architects know that much depends upon the treatment of the floors of interiors and of the ground or paving of open air areas. The importance of the subject is suggested by an examination of this booklet dealing with an unusually fine quality of flagging, the brochure presenting illustrations showing its use in a number of domestic interiors and in churches, and for the flooring of such out of door areas as loggias, the spaces about bathing pools and the walks of gardens. One particularly interesting illustration shows flagging used in connection with the fine old Romanesque cloister forming part of the museum on Washington Heights, New York, formerly belonging to George Grey Barnard and recently acquired for the Metropolitan by John D. Rockefeller, Jr. The character of the flagging agrees well with that of the archaic cloister of which it forms the floor.

#### METAL STAMPING COMPANY, INC., Long Island City. "Convecto Radiators and Heat Cabinets."

Many otherwise beautiful interiors have been practically ruined as far as appearance is concerned by the necessity of having large and unsightly radiators to supply the heat. In the past little attention was given to this matter, radiators being considered as a necessary evil, and no attempt was to remedy it except possibly in the homes of the very wealthy. More recently, however, a great improvement has been made by enclosing the radiators in sheet metal cabinets having some architectural and decorative treatment which fitted more readily into the decorative treatment of the house. They may be finished in any color or imitation of wood or marble to suit the requirements of the architect or owner. Still further improvement has been made in the radiator itself by the use of expanded copper tubes and fins, reducing the dimensions of the radiator required to a small fraction of its former size. Such details of heating are manufac-tured by the Metal Stamping Company, Inc. and are described fully and illustrated in a booklet issued by that com-pany, called "Convecto Radiators and Heat Cabinets." Vatypes of cabinets are shown, and there are several cuts showing them installed in connection with details of decora tion and furnishing, giving one a good idea of their value.

#### MAPLE FLOORING MANUFACTURING ASSOCIATION, Chicago. "Color Enchantment in Hard Maple Floors."

"Wherever new homes are being planned, architect and interior decorator are placing new emphasis on the use of color. The vogue of color prevails because it is now realized, more than ever before, that color can transform an uninteresting room into a place of beauty and cheer; that color can make a warm room cool or a cool room warm; that color, wisely employed, can give brightness to a hallway that is dark, or modify the effect of sunlight in a room overly exposed." Great care should be taken that in this use of color, perfect harmony should exist between the colors of the various surfaces, objects and fabrics. The color of the floor, which forms such a large portion of the interior composition, should be most carefully studied in its relation to the rest of the room. In fact, the color of the floor should be the foundation on which the color scheme is based. A recently discovered process has now made it possible to stain hard maple floors with a variety of beautiful transparent colors giving an entirely new range of possibilities in interior decoration. A booklet entitled "The New Color Enchantment in Hard Maple Floors," issued by the Maple Flooring Manufacturing Association, describes the use of these color effects showing many brilliantly colored plate illustrations of pleasing color combinations in interior compositions. The value of the brochure is such that it is likely to have an important influence in the use of color in domestic interior architecture. Perhaps it will help to do away with the belief, strongly held in some quarters, that Americans are afraid of color in architecture and decoration.

In the rush of a modern architect's office, there is not always time to give much study to the designing of detail or even to developing it from specimens of antique or class-ical fragments which have to be searched out from the large number of books containing material of this nature. Any architect or designer will appreciate at once the value of having access to a complete collection of models of architectural members for practically every purpose, collected through a period of years from the work of the most successful designers of all time. Such a collection has been made by Jacobson & Company, and for years architects and decorators who have had an opportunity of viewing it have urged that it be put in such shape as to be available for general use. As a result a catalog, a bound volume of 183 plates and selling for \$3, has been issued containing illus-trations of these models as well as a price list showing the cost of various mouldings and other decorations in plaster, and also the prices if they are to be used in materials suitable for exterior ornament. The illustrations are remarkably clear and in some cases are supplemented by detail drawings. Most of them are dimensioned, and many are classified as to their style or period of architecture. Some of the more important objects illustrated are mouldings, dentils, wall panels, friezes and borders, ceilings, cartouches, sculptured panels, cornices, centerpieces, rosettes, capitals and other sculptured work. The catalog should be most useful, not only as a reference for work in design but because it gives an idea of prices and because new models are readily had.

#### DAVID LUPTON'S SONS COMPANY, Philadelphia. "Lupton Heavy Casements." Details and specifications.

The necessity of having ample window spaces in buildings of certain kinds often presents problems in the way of design. It is obvious that if very large sash are built of wood it would be necessary in order to obtain the requisite strength to make the wooden members so large and heavy as to defeat in large measure the purpose for which the windows exist. On the other hand, the great strength of even very slender steel muntins makes quite possible the securing of large sash areas without injury to their architectural appearance or practical value. This folder deals with the widely known Lupton Casements. Its cover bears an illustration of a bank building with its large windows fitted with these casements, and the inner pages carry detailed drawings of the same casements and the necessary specifications, all of which is of course likely to aid the designer. The booklet should be had by every architect and engineer.

#### WM. H. LUTTON CO., INC., 222 Kearney Avenue, Jersey City. "Greenhouses of Quality." A brochure on their use.

An important part of the equipment of a large country estate is the greenhouse in which fruits and flowers are grown so as to be available for use throughout the year. It should be designed not only to serve its practical purposes but also with a view to beauty and harmony with its surroundings. Often it is a part of the house or connected to it, so as to serve as a conservatory, and sometimes it is built in connection with an enclosed tennis court or garage. In many cases a greenhouse is very large and includes palm houses as well as separate units for various fruits and flowers. A large number of illustrations and plans of such enclosures are shown in the booklet "Greenhouses of Qual-These illustrations are from photographs taken on ity.' some of the largest estates, and show glazed structures to he used as enclosures for swimming pools and tennis courts as well as private greenhouses. There is also a discussion of the points to be considered when planning to build a greenhouse, giving an idea as to the best location in order to secure the best results in growing fruits and plants, and describing in detail the material and construction of the "Bar-V" greenhouses so that the architect may know what it is possible to do when this type of construction is used.

JACOBSON & COMPANY, 239 East 44th Street, New York.

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#### THE ARCHITECTURAL FORUM

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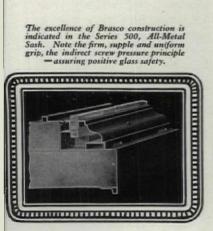
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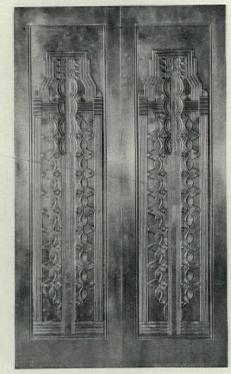


#### ARCHITECTURAL DESIGN

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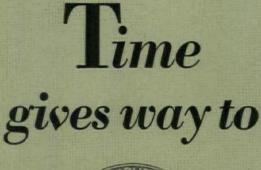
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