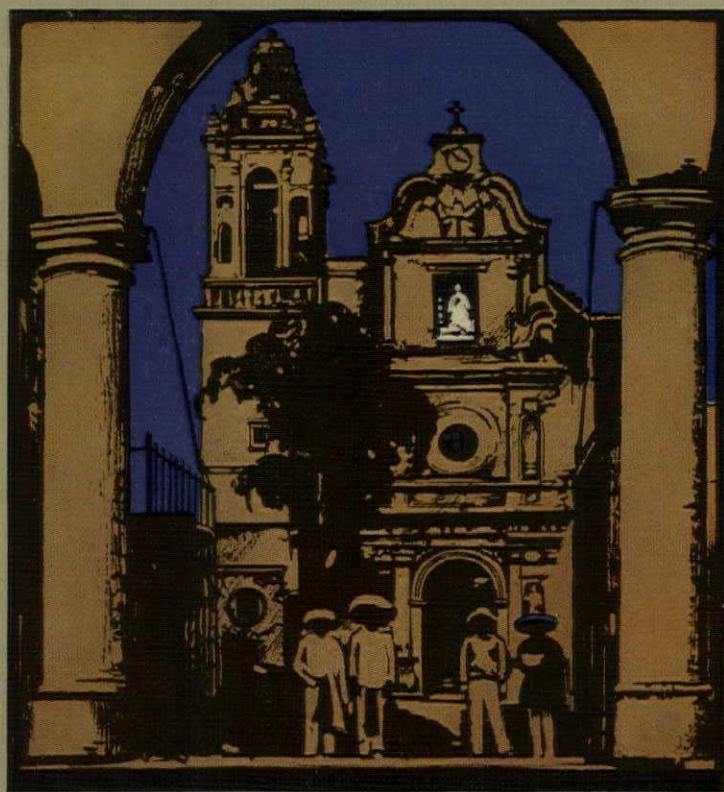



THE
ARCHITECTURAL
FORUM
IN TWO PARTS

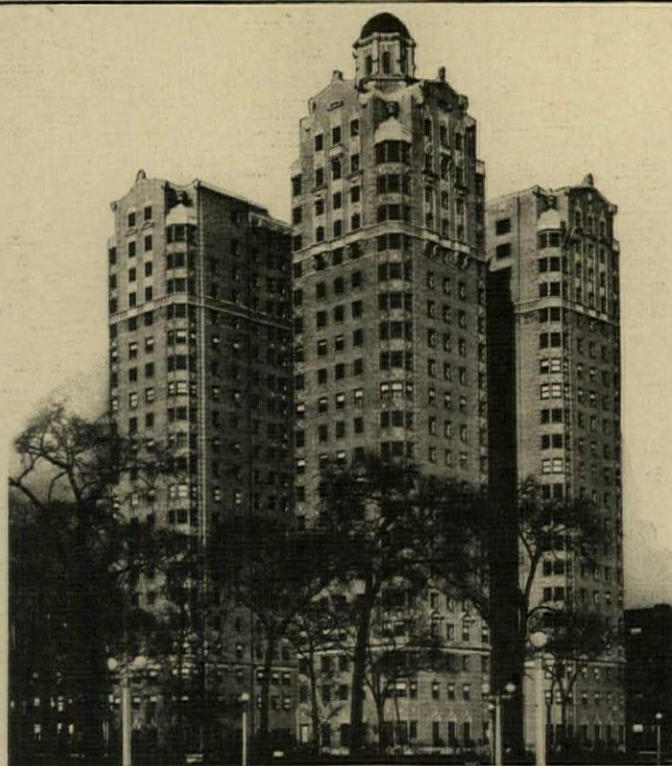


PART ONE
ARCHITECTURAL DESIGN
AUGUST
1928



Another Tribute to Masterly Designing and Face Brick

"1400 LAKE SHORE DRIVE," HOOPER AND JANUSCH, INC., CHICAGO, ARCHITECTS



THE age-old charm of Face Brick . . . in the modern manner. In these few words is told the achievement of the Architects in one of the nation's largest co-operative apartment buildings. Gray Face Brick, characterful and true to the inspiration of the designers, were used on all sides and laid in simple running bond with depressed header courses. The building has a rusticated base up to a stone belt course, above which the corners are treated with Face Brick quoins carried across the bays and extended across the Face Brick mullions. Lintels are also of Face Brick. For the obtuse angles specially shaped Face Brick were used. The dignity and distinction attained in this luxurious building is but another tribute to masterly designing and FACE BRICK.

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. . . . endless blends of everlasting color



AMERICAN FACE BRICK ASSOCIATION

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IN HEINZ Old English "Plymouth" Tile we are producing for the architect today exact hand-made replicas of tiles that are to be found on the time-mellowed roofs of Old England. Tiles that harmonize superbly with architecture similar to that shown above.

Perhaps you have an English design that you wish to be "true-to-type" in every detail. If this is the case we urge you to see a roof of Heinz Old English "Plymouth" Tile. For we believe that in this product we have an accomplishment that you will want to use on some English home.

Samples will gladly be sent on request or we will arrange for our representative in your territory to drive you to a home roofed with Heinz "Plymouth" Tile.



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Kohler Company Show Room, New York - Carrere & Hastings, Architects

A TURKISH BATHROOM in blue tiles—walls of blue faience tiles, borders of decorated faience in sienna and white. Floor of faience in a blue darker than the walls.

Centuries old yet intensely modern, ceramic

tiles, real tiles, are used today as they were ages ago, to insure enduring beauty. They bring to the room just the touch it needs to perfect the designer's theme, whether the room be Turkish or Tudor or Modernistic.



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K E R A M I C T I L E S



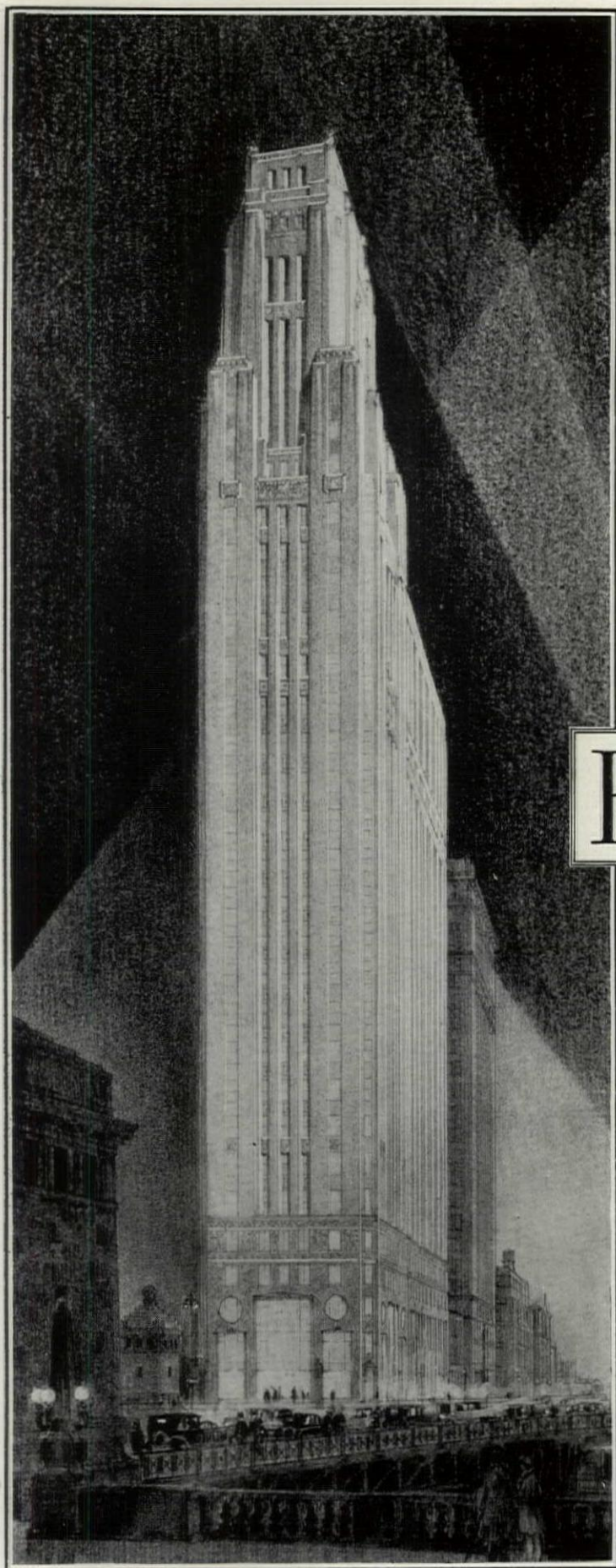
VILLAGE HALL WINNETKA ILL.

EDWIN H. CLARK ARCHITECT

Mr. Clark has used IMPERIAL Hand Made Shingle Tiles on this roof

IMPERIAL
Roofing Tiles

LUDOWICI-CELADON-COMPANY
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333 North Michigan Avenue Building,
Chicago. Holabird & Roche, Architects.
Built of VARIEGATED Indiana
Limestone

More Proof

of the trend to-
wards variation
in tone and
surface texture

H

OLABIRD & ROCHE specified VARIEGATED Indiana Limestone with rough-sawed finish on all plain surfaces for the imposing 333 North Michigan Avenue Building which occupies one of the most prominent sites on Michigan Boulevard, Chicago.

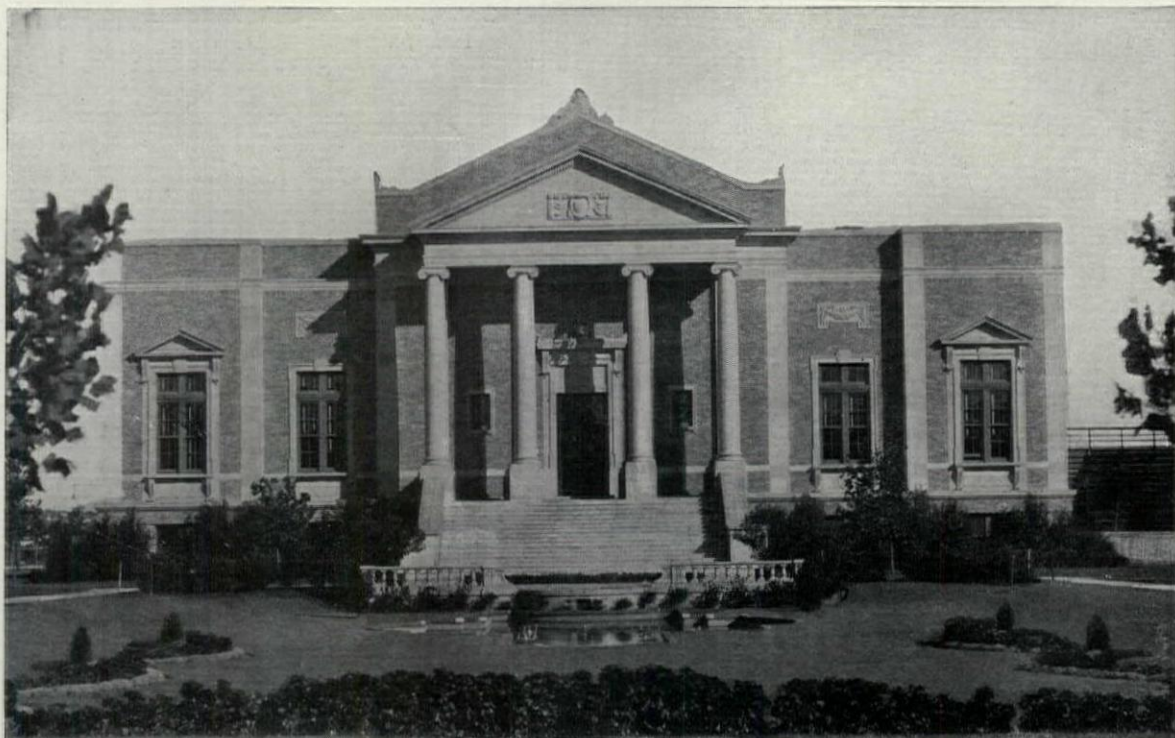
In so doing, they indicated how strongly the architectural preference is for stone with pronounced variation in color-tone. Not only in Chicago but elsewhere, this trend is unmistakable. Instead of smooth surfaces with a monotone effect, considerable variation of color with a rougher-textured finish is being sought.

VARIEGATED Indiana Limestone with a sawed finish gives this diversity because some of the individual pieces are all gray and some are all buff. Still others contain the two color-tones. Thus a wall surface of extreme interest is secured.

The architect who wants only a slight variation in shade, can get it by specifying the coarser textured Gray Indiana Limestone. Still more variation with Rustic Buff. When a more decided contrast is wanted either rough-sawed VARIEGATED or old Gothic should be specified. In every case, in order to insure a uniformly high grade of stone and the service facilities so essential to rapid completion of such projects, the specification should read: "from the quarries of the Indiana Limestone Company."

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Wiley G. Clarkson Company
Architects

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This Library Building Is Faced with Acme Brick

Jas. T. Taylor
General Contractor

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IN ancient times, color-treatment for Classical Architecture was accomplished through the introduction of crude pigments. They were striking but not lasting.

Today, American Architects are achieving these same color-ideals through the medium of Face Brick. The colors, burned into the clays, are not only striking but also everlasting. The exterior for this splendid Grecian-type Library is faced with Acme Brick.

Let us help you solve your color schemes. Ten Acme owned-and-operated plants, enable us to offer you—

*“A Brick for Every Type—
A Color for Every Color Scheme”*

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ACME BRICK.

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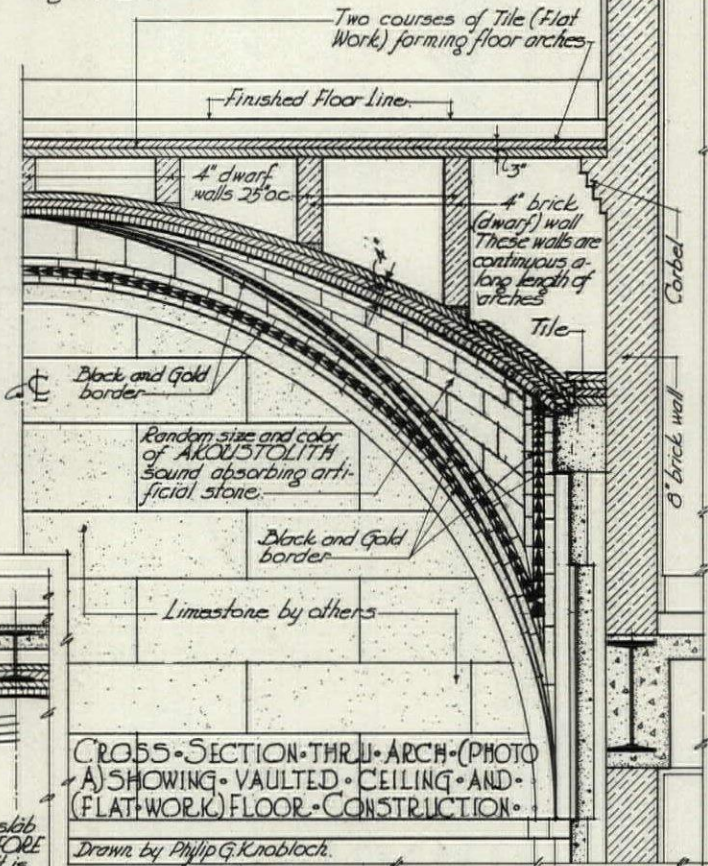
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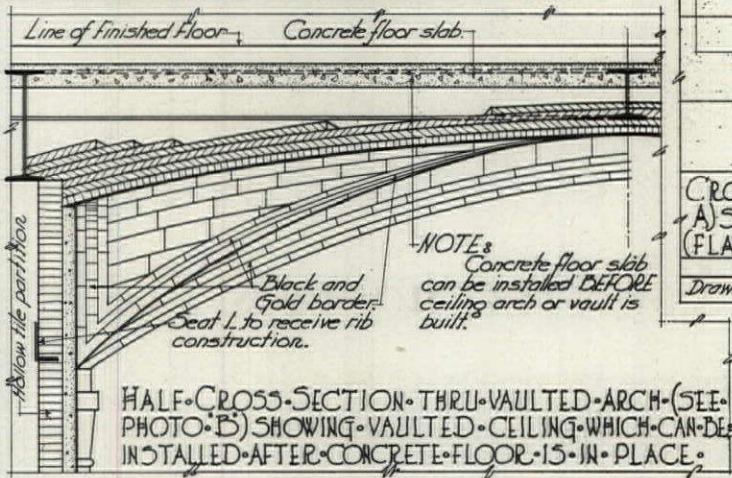
VESTIBULE ENTRANCE TO SALMON TOWER
YORK & SAWYER ARCHTS. WEST 42ND STREET N.Y.C.

• Scale for details •
• $\frac{3}{8}" = 1'-0"$ •

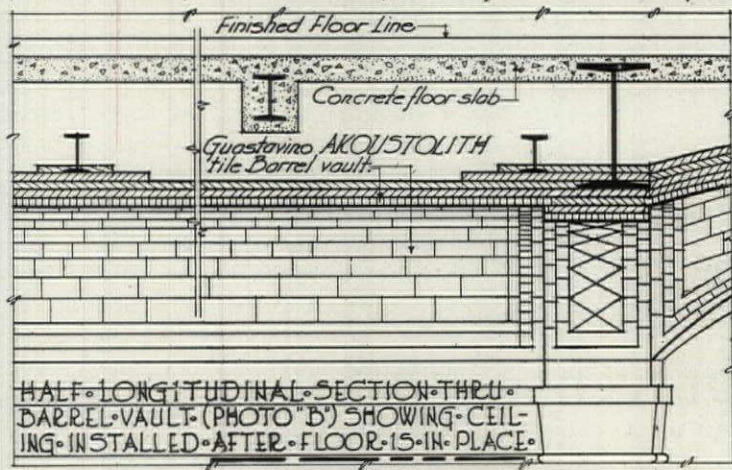


CROSS-SECTION THRU ARCH (PHOTO A) SHOWING VAULTED CEILING AND (FLAT WORK) FLOOR CONSTRUCTION.

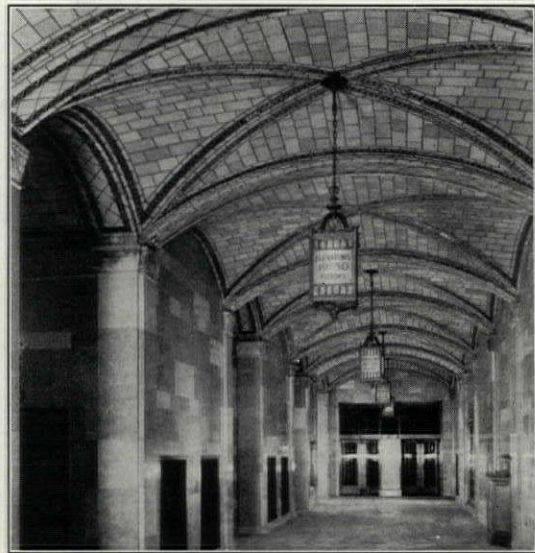
Drawn by Philip G. Knobloch.



HALF-CROSS-SECTION THRU VAULTED ARCH (SEE PHOTO B) SHOWING VAULTED CEILING WHICH CAN BE INSTALLED AFTER CONCRETE FLOOR IS IN PLACE.



HALF-LONGITUDINAL SECTION THRU BARREL VAULT (PHOTO B) SHOWING CEILING INSTALLED AFTER FLOOR IS IN PLACE.



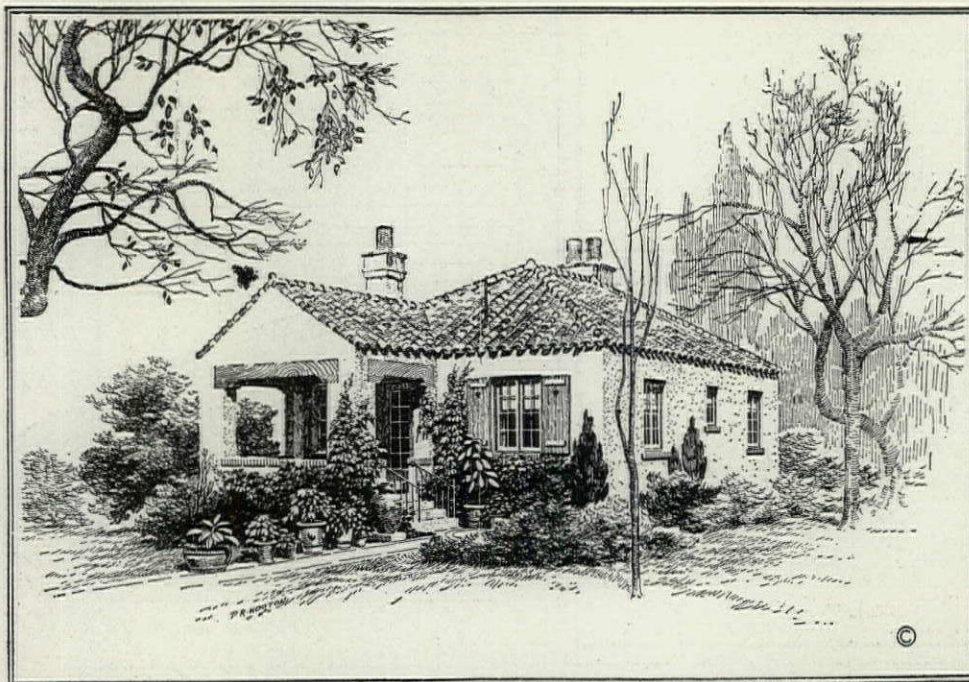
CORRIDOR ENTRANCE TO SALMON TOWER
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R. Guastavino Company

225 W. 34th Street
New York City

R GUASTAVINO CO OF CANADA, Ltd.
New Birks Building, Montreal, P. Q.

40 Court Street
Boston, Mass.



A drawing of the bungalow selected for the Cost Survey of Small House Construction, by the Mountain Division of the Architects' Small House Service Bureau of the U. S. A.

Official Survey Proves Economy of Common Brick

Analysis of 14 comparable types of wall construction shows surprising results!

Once and for all the economy of the common brick wall has been definitely settled. Not by brick makers. But by The Architects' Small House Service Bureau which sponsored the investigation.

In July 1927, a committee representing the Lumber, Cement and Brick interests in Denver selected a standard bungalow on which to submit competitive figures. Only exterior wall costs were studied, since the interior would be the same.

On the same specifications, a standard frame wall with lap siding, painted, cost \$1,112. A solid brick wall of face brick

backed with common brick cost \$1,224. A solid wall of Common Brick alone would have cost only \$1,094, cheaper than any of the 14 types considered! Even the added beauty and originality of "skintled" brickwork could have been had at no increase in cost. In fact, skintled brickwork costs less to lay than a standard brick wall.

This is the first recorded instance where three material interests agreed to such a survey. The absolute economy of Common Brick can no longer be questioned.

In view of its wide variety of beautiful effects and established permanence, many of the leading architects are turning more and more to Common Brick construction. For full details write today for the helpful, authentic booklets listed below. Avail yourself of the assistance offered by the Association.

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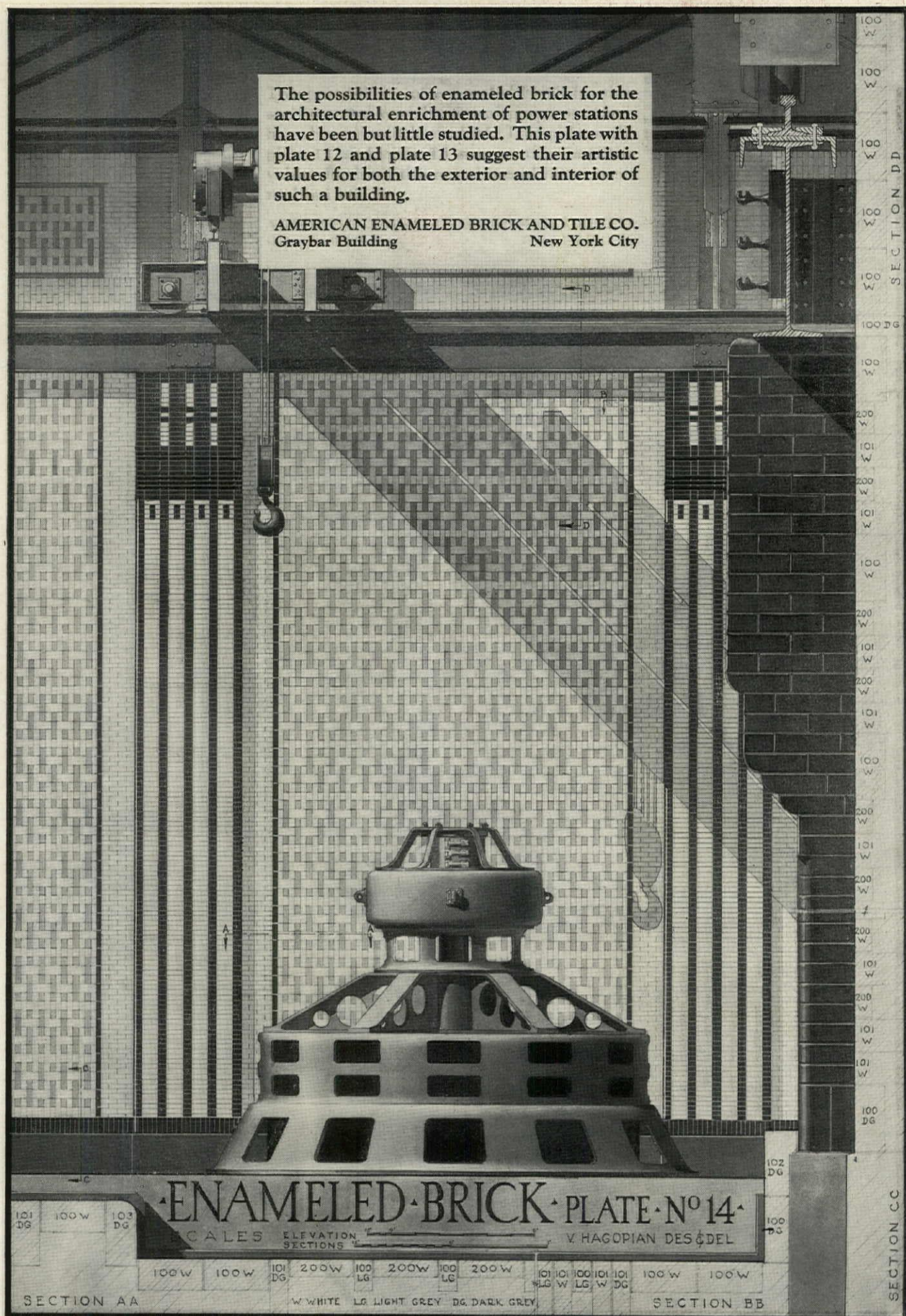
Send coupon below — send cash
or stamps to nearest office —

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Sycamore Hammond Garage
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IF you've ever been tempted to think "we don't need another garage" consider this:—

There are now in Cincinnati six (6) d'Humy Motoramp parking garages in operation, 2 now building, and 3 more planned for early construction. And Cincinnati will not be over-garaged.

Intelligent application of curb-parking restrictions when, as and where indoor (garage) parking has been made available has justified this development of modern parking garages.

The same thing will happen in cities, everywhere, for parking garages are a fundamental economic need. Saturation in the field of parking garages is years ahead.

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our regular distribution list.*

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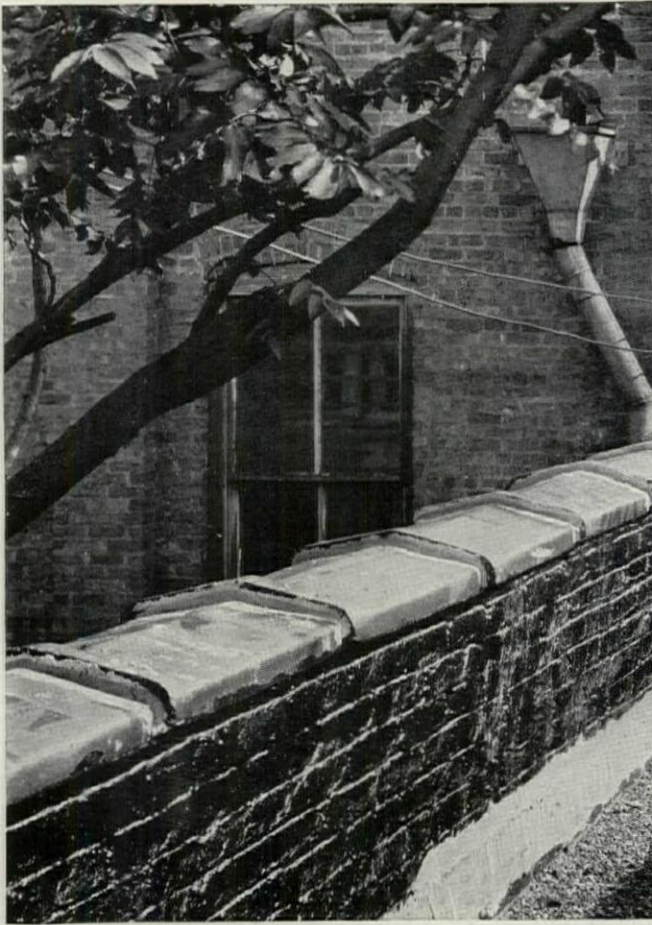


E N G I N E E R S
AND GARAGE MANAGEMENT

RBC-127

RAMP BUILDINGS CORPORATION

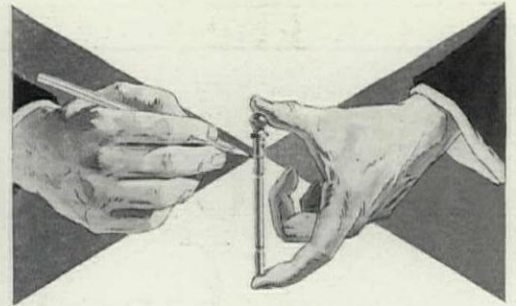
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Wall Coping AF8-Gray



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Permanent Exhibit: Room 431, 101 Park Ave., New York City

McKINNEY HINGES protected against lateral wear by the ROLLER PIN

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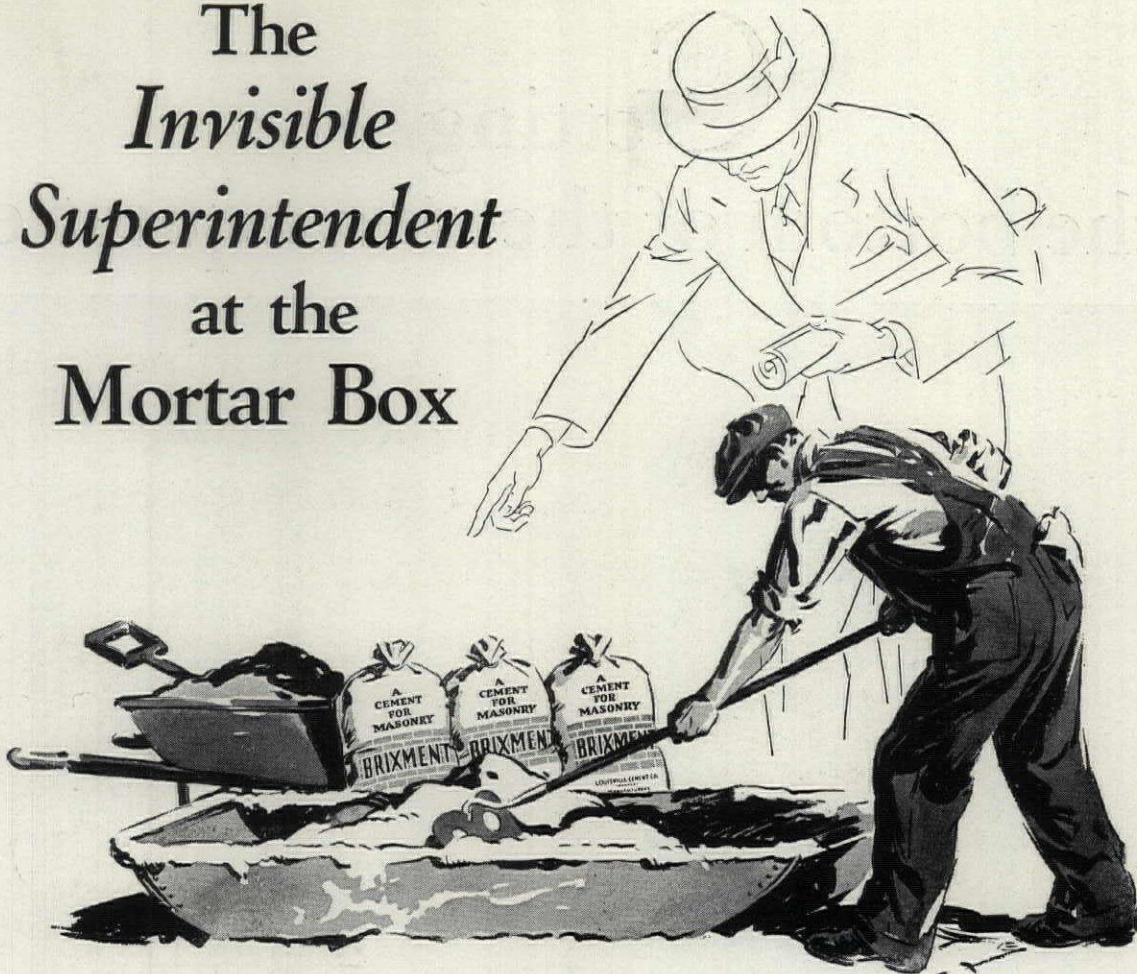
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Full information sent on request

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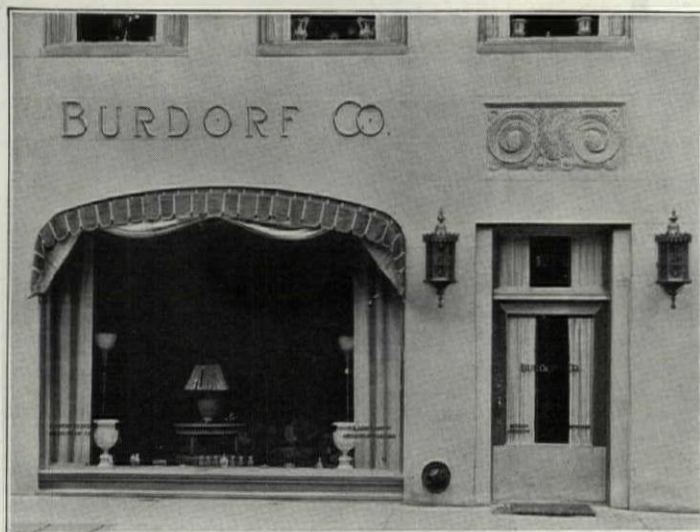
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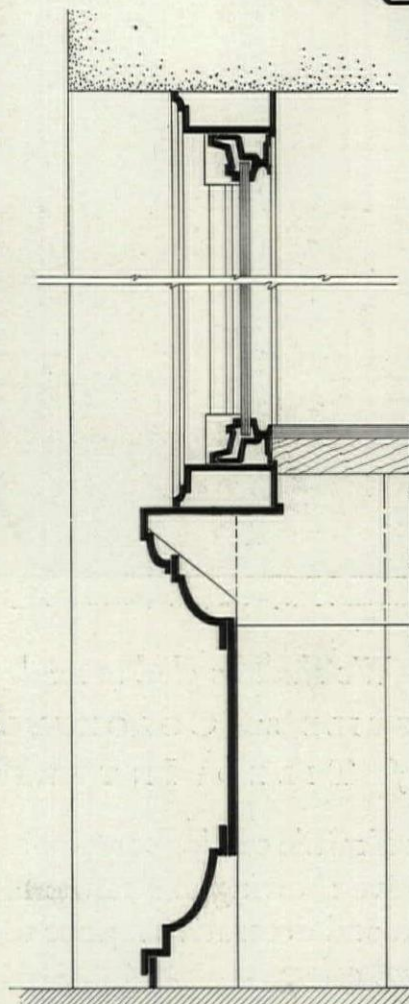
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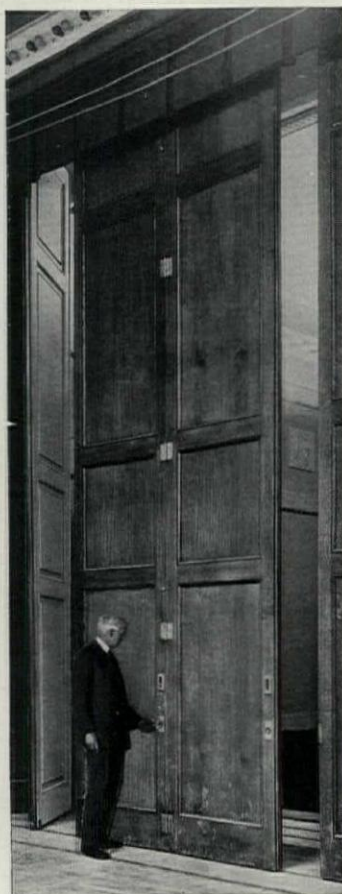
As illustrated at the left, the auditorium receives the benefit of the gymnasium to use as a very large stage, thereby making the gymnasium more valuable because of greatly increased seating facilities. While each may be used separately if desired. This folding partition in the Bexley High School, Columbus, Ohio, is 19 feet high by 60 feet wide.

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Roof Section of Boat House of Mr. Charles T. Fisher, President Fisher Body Company, at Grayhaven, Detroit.
Designed by Architectural Department of the Fisher Body Company.
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The Slate

Sheldon's Special Olde English Rough Cleft,
 $\frac{3}{8}$ " to $\frac{3}{16}$ " thick, in 16", 14" and 12" lengths,
random widths.

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Sheldon's Unfading Green 25%; Weathering
Green 25%; Clear and Mottled Purple 20%;
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The Imagination

must be exercised to the limit to picture in one's mind the rare beauty
of this roof in its actual colors. It seems to gain either way: upon ap-
proaching it and upon receding from it. (And to think that its charm
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A Suggestion

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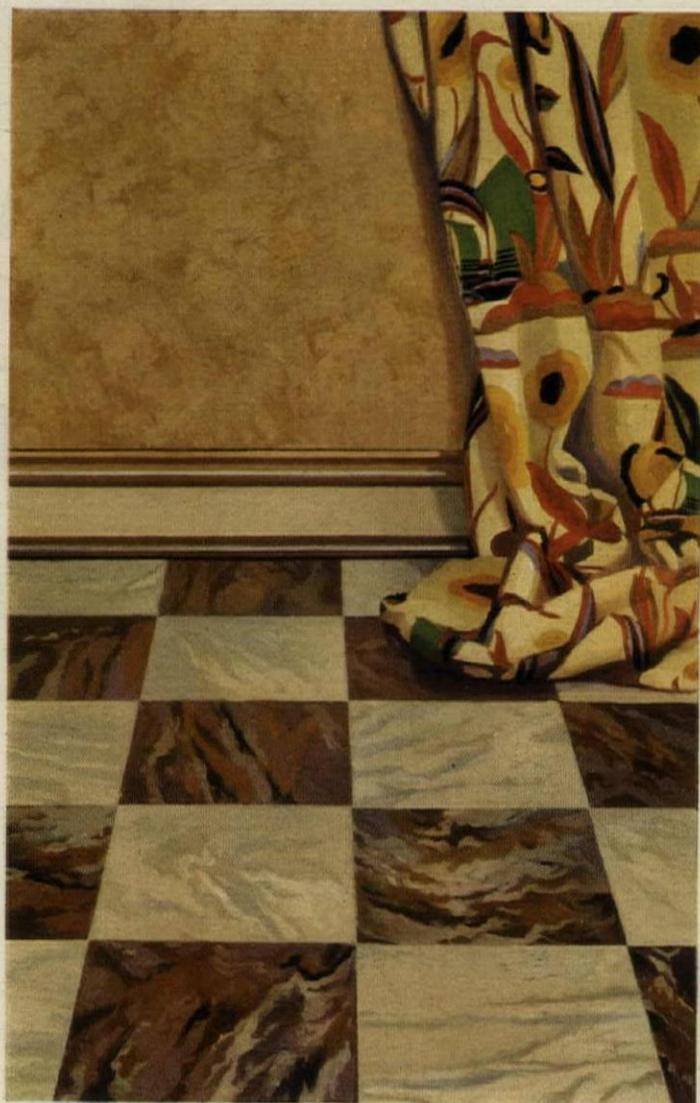
NATIONAL TERRA COTTA SOCIETY

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NEW YORK, N. Y

THE room color scheme shown in this illustration is sufficient to show that brown, the predominant color in the floor, governs the balance of the room decoration. The subordinate colors in the floor are occasionally repeated in other elements of the decorative scheme, and thus the whole room quickly becomes a smooth, pleasant ensemble.

The pattern shown at the right below is Armstrong's Embossed Handcraft Tile Inlaid No. 6028, a floor of color well suited to modern bedrooms.



Look for the
CIRCLE A
trade-mark on
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The Elaborate Color Scheme

**Work it out more
quickly with a modern
floor of color**

THOUGH a client may specify elaborate decorations, their mere complexity seldom disturbs the experienced architect. For the fine taste which produces an effective plan will successfully carry through the most intricate color scheme.

But there is the element of time to

be considered. Complicated decorations call for considerable study. And much tedious work may be required to obtain an effect pleasing to both client and yourself.

Yet you can greatly reduce the necessary time and work. Simply start the involved color scheme with an Armstrong's Linoleum Floor of elaborate color, yet perfectly balanced pattern. Then the remaining room decorations build upon a true foundation. No matter how many colors are used, each is effectively keyed

to one of the group of controlling colors in the floor. And decorative features likely to upset

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Long life, low cost, quiet resilience, and the easily cared for Accolac finish are other virtues of Armstrong's Linoleum Floors. Armstrong Cork Company, Linoleum Division, Lancaster, Penna.

* This is No. 5 of a series—"Floors of Color—Their Architectural Value." Write for reprints.



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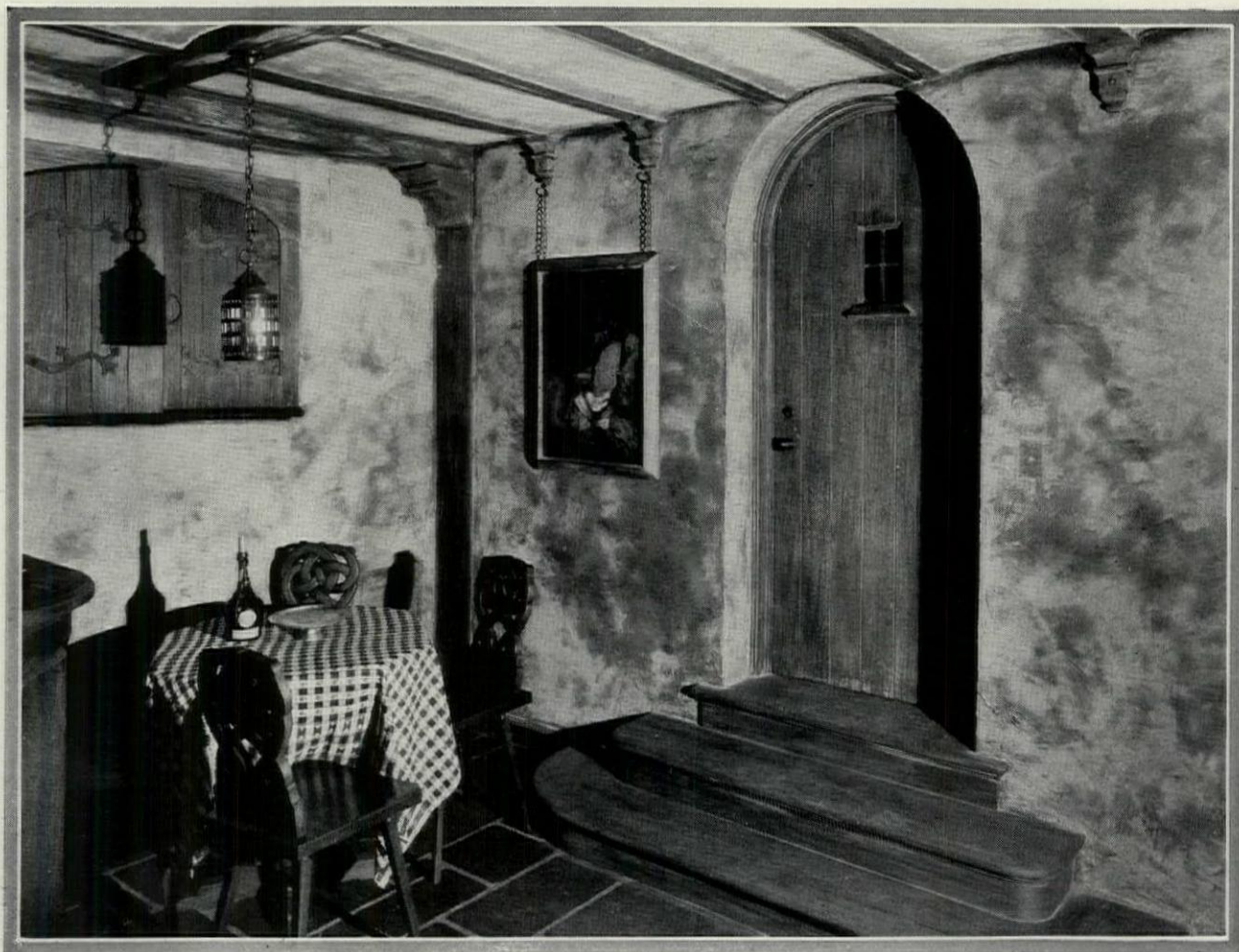




Coolidge & Carlson, Architects

The Daniel Guggenheim Aeronautical Laboratory is the latest addition to the magnificent group of buildings comprising the new Massachusetts Institute of Technology. It was built under the supervision of Stone & Webster, Inc., builders of the group.

STONE & WEBSTER
INCORPORATED



Courtesy of Kelly Interior Crafts Co., Chicago, Ill.

Reproduction of "a fifteenth century tap room," one of the distinctive Textone treatments applied in a beautiful residence in the exclusive section known as Chicago's North Shore. The second picture, in larger scale, shows the appropriate texture selected for the "tap room"

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Decorative Effect



walls, newly plastered walls, Sheetrock or other wallboard. Especially adapted to remodeling.

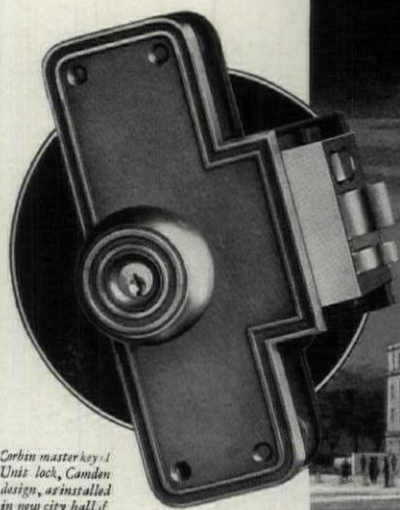
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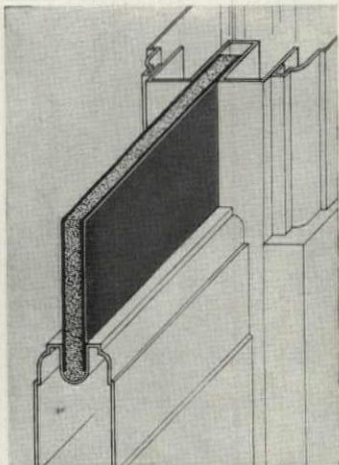
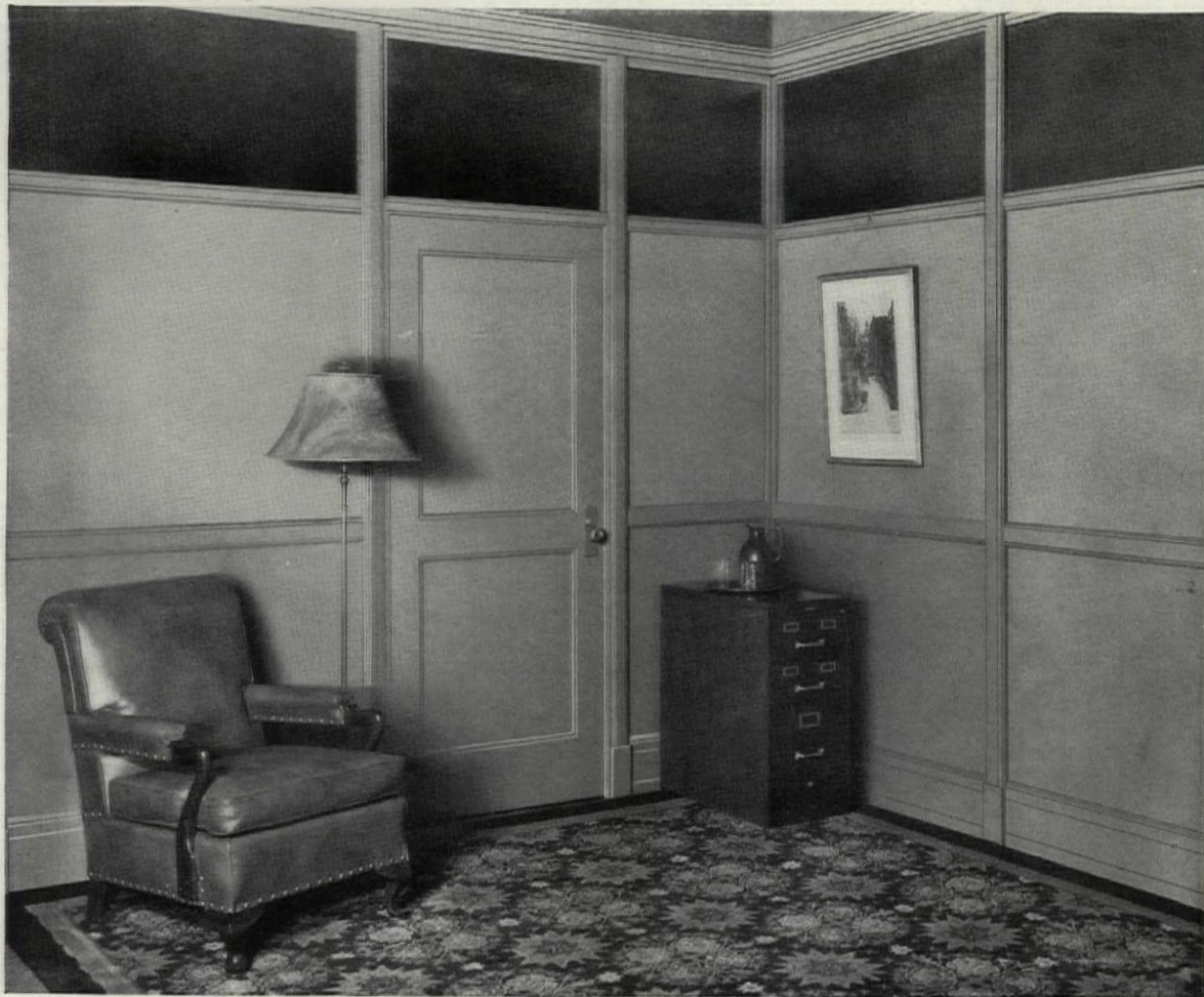
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BOOK DEPARTMENT

THE LINEAGE OF AMERICAN ARCHITECTURE

A Review by
HAROLD D. EBERLEIN

FOR architects and for students in architectural schools there are here provided stimulus and abundant suggestions in the analysis of the essential factors and influences that have played a part in reaching the complex result we call modern American architecture. For the general reader, this volume affords a comprehensive and intelligible summary of the story of domestic and public architecture in America, so lucidly and succinctly presented that it compels attention. Furthermore, the author's manner of treating his subject has such a rapid and easy flow of narrative, unobstructed by technicalities, that it is calculated to engender interest even where indifference ordinarily prevails. The logical course of a fascinating development is aptly illustrated by happily chosen specific allusions to mark each phase of progress. As to actual half-tone illustrations, there are 48 of them. They are carefully selected and really illustrate the text,—as far as they go,—but it is a pity, in a volume of this sort, where abundant illustrative material for reference and comparison is not only helpful but expected, that there are not at least three times the number,—and more if possible. The one serious shortcoming of the book is its shortage of illustrations. Nevertheless, those that are given are thoroughly representative and cover as wide a range of subjects as is possible with the limited number. It is interesting, in this connection, to find the old Eastern Penitentiary, in Philadelphia, shown as an example of the early "Gothic Revival" type, as well as several other structures, little known but highly significant as examples of their several kinds of architecture. There is an index and a very useful classified bibliography, bringing the physical compass of the volume to 262 pages. Within that space a really exceptional quantity of valuable material has been compressed.

In the first chapter, "The Beginnings," the initial efforts of the colonists are traced. The second chapter, entitled "The Afterglow of the Middle Ages," points out what comparatively few people realize,—that many mediæval survivals, of one sort or another, continued to exert a perceptible influence on this side of the Atlantic until well past the close of the seventeenth century and, indeed, lingered on long after that date in many out-of-the-way and ultra-conservative communities. The author then sketches the bursting into full bloom of the Georgian episode, with its characteristic local variations; and then, immediately following, he summarizes and explains the provincial types of the seaboard, those types that are truly "Colonial" and instinct with vernacular vigor,—English, Welsh, Swedish, Dutch or German in origin, and each evolved in its own distinct way. In this review of traditional trends, modified by local conditions until they have become virtually indigenous, the building of the French and Spanish outposts of early America is not forgotten. With the dawn of the federal era in the infant republic, there is unfolded an impressive program of building, stimulated in great measure by Thomas

Jefferson, "Jefferson turned to the ancients, to the Greeks and Romans, whose republics then, in the freshness of modern republicanism, seemed very near. He hoped to secure the respect of foreigners, without copying them,—to be at once novel and correct. The new political order had far reaching consequences. It called into being governmental buildings which were not only more important than those of the colonies hitherto, but were of types radically new in the modern world."

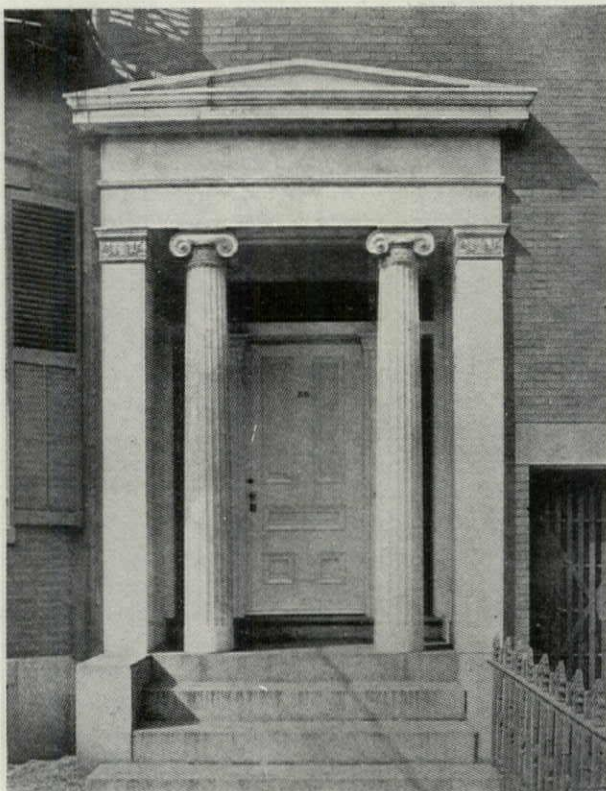
It is matter for some regret that the author has not drawn a sharper distinction between the Græco-Roman or Regency phase of Classic design and the more rigidly archæological Neo-Grec episode that followed it. Of the former, with its consummate grace, the most conspicuous exponent was Latrobe, with the same ideals as those sustained in the mother country by Cockerell and Mylne, Nash and Henry Holland. For the strongest impetus to the more insistent archæology of the Neo-Grec fashion, we must look to traveled and cultivated laymen such as Nicholas Biddle, Samuel Fox, Joseph Fox and, of course, Thomas Jefferson who, however, despite his championship of Greek austerity, time and again showed his hankering after the easier, warmer and more flexible grace of the Græco-Roman blending. That the lay impulse was chiefly responsible for the purely Greek trend, is aptly instanced by the words satirically put into Latrobe's mouth by Thornton:—"The Bank of Pennsylvania I know has been much admired, but it would have been much handsomer if Joseph Fox and the late John Blakely, Esqrs. directors, had not confined me to a copy of the Parthenon at Athens." The author then continues, "the authorities of the bank, who owed much to Latrobe's skill, appear to have been ultimately responsible for the essentially American literalness of its classicism." The wave of romanticism and the early "Gothic Revival," in which even Latrobe, Mills and Strickland occasionally indulged, is comprehensively set forth.

In the course of Chapters XI to XVI the whole field of essentially modern American architecture is ably analyzed in historical sequence, but with critical insight and happily constructive attitude. Everything from the genesis of skyscrapers to their latest characteristics, and from the ideals of Louis H. Sullivan and Frank Lloyd Wright to the most recent exploits of the ultra-modernists, is discussed with a broad and tolerant outlook. The never-ending stream of architectural creation is depicted with such lively movement that the reader cannot fail to perceive the vitality of the whole subject. Furthermore, the author has interwoven the narrative with appropriate reference to social and economic conditions,—the only way in which the story of architecture can be really intelligible. The book is a contribution toward the popularizing of architectural consciousness. It should stimulate a wholesome lay point of view.

AMERICAN ARCHITECTURE. By Fiske Kimball. 262 pp., 5½ x 8½ inches. Price \$4. Bobbs-Merrill Company, Indianapolis.

Any book reviewed may be obtained at published price from THE ARCHITECTURAL FORUM

An Authoritative Work on
"THE GREEK REVIVAL"
 By HOWARD MAJOR



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; 7½ x 10½ inches. Price \$15

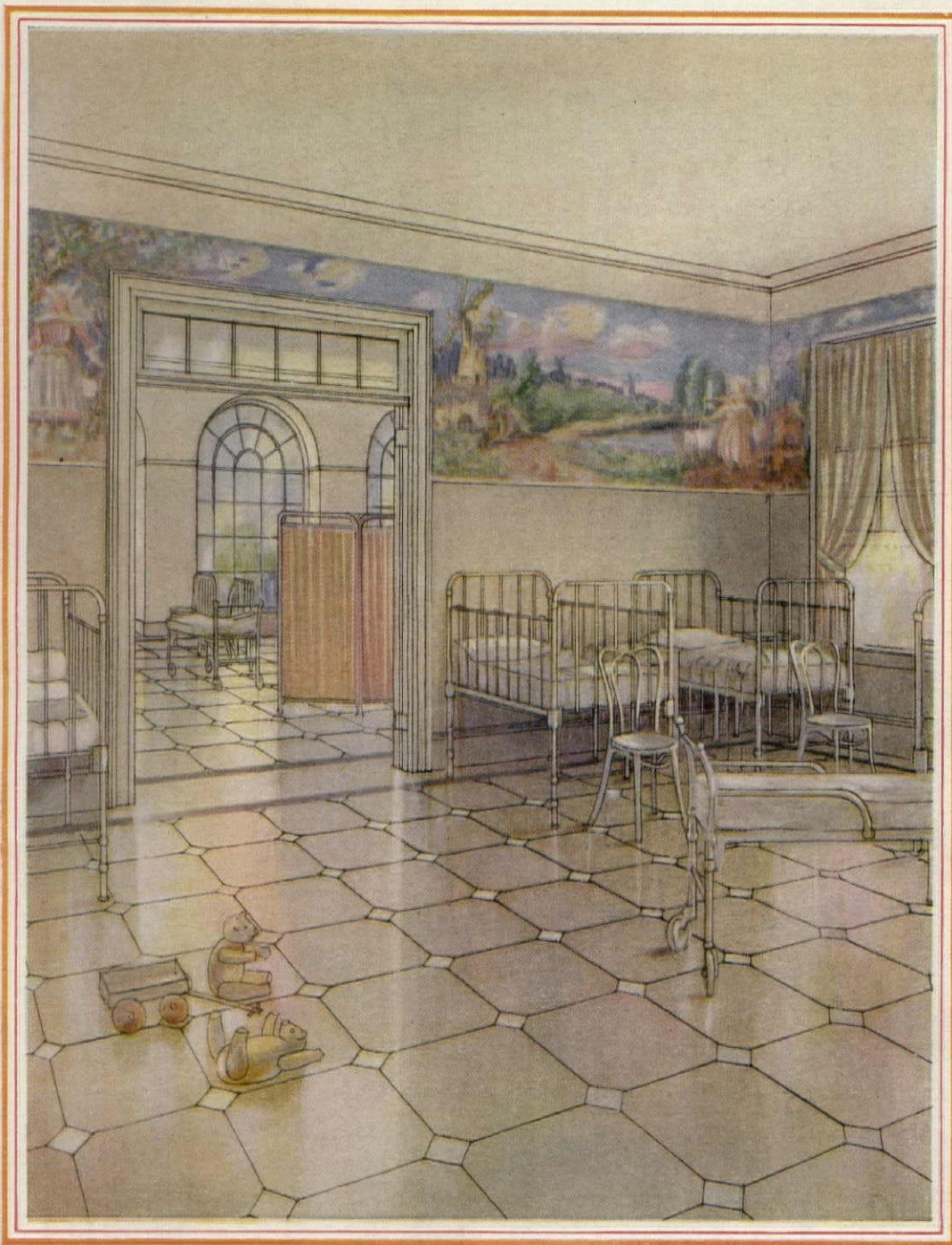
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 383 MADISON AVENUE, NEW YORK

MAJORCAN HOUSES AND GARDENS. By Arthur Byne and Mildred Stapley. Text and 188 plates, 12x16 ins. Price \$25. William Helburn, Inc. New York.

MAJORCA is the largest of the Balearic Isles, a group in the Mediterranean which lie off the coast of Spain, due south of Barcelona by one overnight journey, and about the same distance east of Valencia. Lying off the beaten path of commerce, these islands form a little world of their own, a Spanish possession, but not wholly Spanish; other influences are apparent here. In their remoteness and isolation they have seen the rise and fall of many civilizations dating back to Phoenician times,—Greek, Roman, Visigoth, Moorish, Italian, Renaissance on through the florescent Baroque period; and each of them has left its imprint. No small island in the world is richer than Majorca in tradition and romance. The architect has only recently rediscovered it, and he finds in its sun-drenched buildings, its churches and convents, its palaces, its country and city dwellings, a vast treasure house for study. Here is architecture unmistakably Spanish, and yet distinguished by a certain subtle quality found nowhere in Spain proper. Here builders were frankly eclectic, borrowing from all civilizations to make a fusion of Mediterranean types, from which he who would build for sunny climes today, anywhere in the world, may draw many practical suggestions.

This work, "Majorcan Houses and Gardens," is a deluxe volume compiled by Arthur Byne and Mildred Stapley of the Hispanic Society of America. It includes 188 large and beautiful plates produced from photographs made by Mr. Byne of the interiors and exteriors of the most notable country estates on the island, and some of the homes, once palaces, in its principal city, Palma. Some of the most important he has amplified with architectural drawings, a few of which are in color. The text, which is less conspicuous than the illustrations, comprises a brief history of the island, an account of its architectural treasures, and a group of explanatory notes on the more important illustrations. The country houses shown are more numerous than the buildings in towns. Their situations are interesting. Instead of dominating the landscapes, they seem to nestle into them in a fashion suggestive of old buildings in England. The hill-top homes, of which there are many, are not set literally on the mountain tops, but half way up, snuggling under their shadows. This gives them protection from the sun, which shines pitilessly and unhindered on Majorca for six months of the year, and in older days it offered protection from the feudal tribes which fought for supremacy, as well as from the hordes of Barbary pirates which once overran the island. In fact, the defensive character of the buildings is conspicuous. Many have fortified towers with lookout drawbridges and moats, and all entrances are carefully hooded. But no matter how sequestered the site, some vantage point was found to command a view of the Mediterranean. Builders proved themselves artists in the clever way they placed their houses to combine shelter with pleasant outlook.

To build the approaches to these hill-top houses often cost more in time and money than to build the houses themselves. It might be the work of a generation. It meant cutting steps in the mountain sides and reclaiming barren slopes with an untiring patience at which the



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Administrative Offices	50	60	100	90	80	90	0	50
Staff Offices	100	70	80	90	80	10	50	
Corridors	100	70	90	80	70	20	80	
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modern builder marvels. Steps were corbeled out from the faces of rocks to facilitate quick ascent or descent from level to level. The immediate approaches to the houses are usually marked by broad green terraces, the earth for which often had to be carried from great distances and in sufficient quantities for growing orange or olive trees and tropical vines. On the opposite side of a house the second story would open on a terrace, which led to a formal garden. It was here the family lived and enjoyed the view. The stone walls on the island never fail to impress the visitor. Those about Esporlas, on the west side, are particularly fine. Esporlas has always been famed for its walls, so much so that the word *esporlero* is synonymous with "mason." Here the reticulated walls by the roadside or up the terraced mountains are laid with consummate skill,—dimensioned units by thousands, laid up dry and fitted with untiring accuracy. Being laid up dry, and porous, they are never stuccoed but possess a certain rugged architectural character.

The obtaining of a water supply was always a problem with which the architect must wrestle, for Majorca has no great rivers, and streams or *torrentes* are all too few. On the hilly side of the island, water is conveyed by great conduits from a high-lying reservoir. On the plains every estate has its cistern. The architect will notice that every house is surrounded by a balustrated platform, which is in reality a great water-shed, inclining to the underground cistern, a huge vaulted chamber lined with cement, where water is carefully collected during the wet season, to be stored away against the dry months.

Majorca, like the mainland of Spain, adheres to the hollow square plan of building, with the resultant patio, the keynote of all Mediterranean architecture. But the Majorcan patio has little in common with that of Andalusia. It is not an outdoor living room with chairs and other furniture, nor is it made gay with potted plants. In country houses it serves a strictly utilitarian purpose,—it is the focus of the farm life. Here is the great kitchen chimney, the stone table where the servants eat, the mounting block, the shelter for the farm carts. From here an outdoor stone stairway, made practical by the mild climate, leads to the master's quarters on the second floor at the garden side of the house. In the country this stair is of the claustral type, clinging to one wall of the patio in a single run, supported either on solid masonry or on a light graceful arch, with an iron balustrade. Here it joins the upstairs loggia, whose roof is supported by Gothic pillars, from which open the sleeping and living rooms of the family. In city houses the patio is treated architecturally, concentrating on the stair and its loggia. The moment the architect enters the patio he is impressed with the builder's superior knowledge and technique of vaulting. Arches are of great span and very flat, seeming hardly to have key enough to uphold the weight imposed on them, and the intersections of these flat, elliptical arches in connection with the stairs are treated with consummate skill. In the palaces in Palma one finds the typical low Palma column supporting the built-over portion of the patio. From two to four heavy arches, vaulted in Gothic style with groined edges, may converge on one of these columns,—a huge haunch block cut from a single piece. The entrance to the patio shows the eclectic methods of the builders. A vast wooden door, studded with nails or



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ornamented with iron reminiscent of the Moors, may be set in a portal of rose marble in Baroque design. And inside the patio, vaulted in Gothic arches, one may find a Florentine fountain whose waters cool the floor.

The architect may learn much of uses of polychrome from these old Majorcan masters. The delicate colors which exist today have withstood centuries of exposure to sun and rain. A favorite combination is stucco in ocher wash with faded blue or green shutters. All openings are carefully shaded for protection against the sun, and often they are embellished by "scoring,"—the embedding of small stones in the stucco while still wet.

THE MODERN ENGLISH GARDEN. With Introduction by E. M. Cox. 192 pp., almost wholly of illustrations. 8½ x 11 ins. Price \$8.50. Charles Scribners Sons, New York.

THE charm of the English garden has been the result of centuries of growth. So widespread was its fame during the palmy days of the French monarchy that English gardeners were summoned to France to aid in creating the splendid settings with which the great French architects were surrounding the abodes of the Kings of France. In England itself there were laid out during the spacious days of the later Stuarts and all the Georges those vast gardens which even today are found belonging to great country houses and which bear testimony to the skill of the English gardener. At the opposite end of the scale there have always been those far more modest gardens of which the motorist catches occasional glimpses today,—a small or even tiny area between the highway and some old cottage, or else between a modern

cottage and the roadway, an area which creates an appearance of privacy and which also creates the appearance of there being space where very little area really exists.

But for the home owner of the middle class, for the man midway between the cottager and the owner of a vast estate, the Englishman's instinct for creating gardens seemed for long to be dormant if not extinct. Its awakening or resuscitation has come as one result of the widespread use of the motor car, by using which the city worker may dwell in the distant suburbs or else in the real country and yet surround himself with all the delights of country living,—including the delights of an English garden. This brought about long ago a revival of English rural domestic architecture, and this work dealing with the modern English garden proves that the revival of architecture has been attended by equal progress in the revival of the beauty of the small or medium-sized garden, and countless examples are shown.

This volume presents, largely in the form of illustrations, a review of this progress. No one of the many gardens illustrated is of much more than average size, and most of them are of distinctly modest extent. Almost all the examples show what is one of the most charming features of an English garden,—the close relation which exists between garden and house, making the garden almost literally part of the home and not a remote and isolated detail. Part of the volume deals (also in illustrations) with such subdivisions of the subject as rock and water gardens, and the treatment of walls, steps, walks and paths, and with the handling of problems where different ground levels are involved.

The Practical Book of Tapestry

By George Leland Hunter

THE intimate connection between tapestry and architecture as well as the frequent use of architectural motifs in tapestry design gives to tapestry and its history an interest to architects which is strong. Primarily associated with the Gothic age, which saw what were perhaps the most brilliant of its triumphs, tapestry has been identified with the development of all of western Europe and with the different periods—the Renaissance, early and late; the Baroque age; the eras of the different Louis; and in later days with the various places where looms have been set up and where present-day workers are engaged in creating by use of old-time methods those marvelous weaves which add to any surroundings where they are placed a richness of decoration which confers dignity and splendor to the place where they are used. No study is more absorbing than that of tapestry.



IN this volume is given a complete review of the subject of tapestry. The author has made a deep study of tapestry's history and is familiar with every important example in the world. The volume deals also with the technique of tapestry weaving, the changes and development of its design in different countries at different times, and it goes at length into descriptions of modern looms where this ancient art has been successfully revived. The illustrations, many in full color, add to the reader's interest. All are from photographs made especially for this work, and many show the student for the first time examples of tapestry weaving of the first importance. The volume is particularly valuable by reason of its accurate documentation and full bibliography and because of its giving the names of places where there are to be seen the most important tapestries now in existence.

Richly illustrated in half-tone and full color. 302 pages; 6½ x 8¾ inches. Price \$10.

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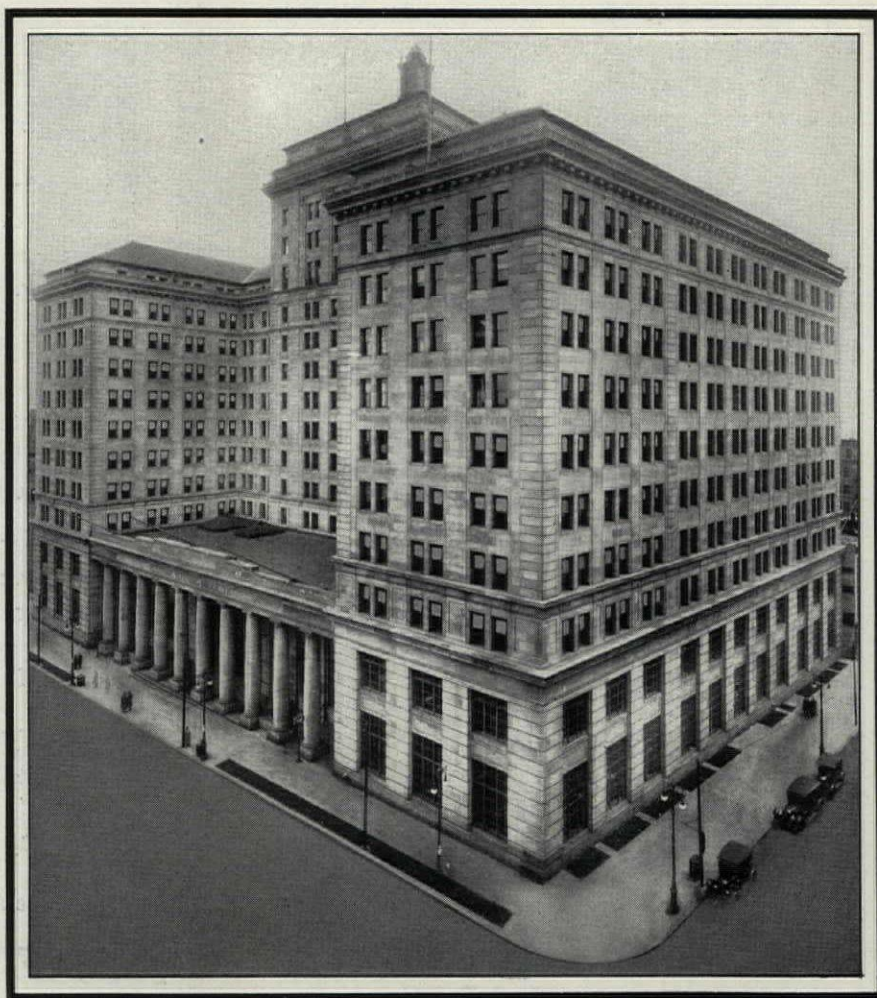
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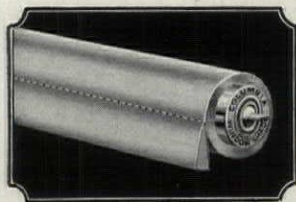
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THE EDITOR'S FORUM

THE SULLIVAN MEMORIAL

LOUIS H. SULLIVAN lies in Graceland Cemetery without tombstone or marker of any kind. It has been proposed that the architects of Chicago erect a monument that will suitably mark his grave and be a memorial to his genius. For this purpose a joint committee has been appointed from the North Shore Architects' Association (from which the suggestion came initially), from the Chicago Chapter of the Institute, from the Illinois Society of Architects, from the landscape architects, from the building industry and from the laity. This committee, not knowing the amount available, has made no definite design for the memorial except to determine that it shall be of granite and in the decorative style so expressive of his philosophy and associated with his memory. It will also be carved with some account of Sullivan's life, some brief record of his achievements, and some suggestion of his influence.

In the three years that have passed since Sullivan's death, his fame has constantly grown. Architecture since the World War has entered upon a new era, and has begun to express itself in forms and speak with a language moulded more nearly to the heart of America. To this new destiny Sullivan, with the zeal of the prophet and the courage of the adventurer, pointed the way. By his architectural works, great in scope and power; by his drawings, unsurpassed in beauty and originality; by his writings, rich in poetry and truth; by his teaching, persuasive and eloquent; and by his philosophy, where in three words, "Form follows Function," he summed up all truth in art, Sullivan earned his place as one of the greatest architectural forces in America. Thomas E. Tallmadge, 160 North LaSalle Street, Chicago, is the chairman of the committee.

GOVERNMENT BUILDING IN PARIS

A BUILDING to house the offices of the American government in Paris is to be erected on the site of the premises occupied by the "Union Artistique" Club, on the Place de la Concorde, the purchase of which is announced in dispatches from the French capital. The new building will house the offices of the 15 American government agencies in Paris, including the embassy and the consular services. The structure is to harmonize architecturally with its surroundings and will be built of French limestone.

The government expects to carry out the original plan for a building on this site prepared by the great French architect, Ange-Jacques Gabriel, who, in the reign of Louis XV was responsible for the monumental symmetry of the construction of the Place

de la Concorde as we see it today. Such a building as the government now has in mind would correspond with the architecture of the Hotel Florentine, the present residence of Edward Rothschild, located at the corner of the Rue de Rivoli and the Rue Florentine, and would balance the two larger structures of the Ministry of Marine and the Hotel Crillon, in accordance with the original Gabriel design and plan.

TOWN PLANNING IN CANADA

WITHIN the last few weeks two Canadian cities, Quebec and Ottawa, have enacted statutes governing town planning. The Quebec commission is "given full power to replan those parts of the city that have suffered from haphazard development, or from what the *Journal of the Town Planning Institute of Canada* characterizes as 'building anarchy'; and to create a comprehensive plan for future development with the exercise of necessary zoning powers." Editorializing, the *Journal* says that the trend of thinking in a city rich in historical tradition, as Quebec is, might naturally be toward extreme conservatism. The development and passage of so progressive a law are attributed to a definite reaction against bad manners in building which have become established practice during the past few years: "It has come to pass because the more public spirited citizens of Quebec have become disgusted with the building anarchy which, on the plea that business is business, denied the right to existence of historic places in their natural setting, and disfigured the whole city with new structures flung up anywhere and everywhere in barbarous disregard of architectural amenity and the rights of the community."

Within two weeks after the passing of the Quebec act, the city of Ottawa, it is reported, applied for and received the right to exercise architectural control over certain proposed new developments. The new Alberta town planning act has clauses authorizing a permanent provincial town planning board, one duty of which shall be to "assist and advise any rural authority in devising ways and means of preserving the natural beauty of the locality and ensuring that new buildings and erections therein shall be so designed and located as not to mar the amenities of the locality." It takes definite cognizance of buildings located on any highway to which the act applies, making regulations as to their design, regulation, and construction. In Great Britain, several cities, notably Edinburgh and Bath, interpreted the clause in the Town Planning Act which gives power to a local authority to prescribe the "character" of buildings, to mean community control over the design of buildings as well as their suitability to their locations.

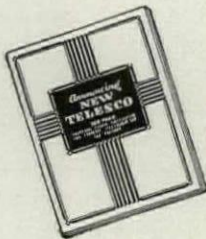


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FROM A PHOTOGRAPH BY SIGURD FISCHER

THE ARCHITECTURAL FORUM

VOLUME XLIX

NUMBER TWO

AUGUST 1928



THE ARCHITECTURE OF DENMARK: PART I

BY
DR. TYGE HVASS

TO properly understand and judge modern Danish architecture, it is necessary to know something of the country's historical background and something of the character of the country. Denmark is a land surrounded by water and made up of rolling hills, which never attain a height of more than 500 feet. The coast line is irregular, cut by deep bays and fjords. It is a land of farms, and its smiling fields are wreathed by woods, which form a living frame for golden corn fields. As early as the year 1000 the country was densely populated, and of some 1600 country churches now existing, no fewer than 1100 are of mediæval origin and bear the impress of Romanesque architecture.

Scattered about the country the great landed proprietors,—the later nobility,—built their manor houses and castles. Altogether, about 1000 of these manor houses are to be found today. They are located in the most beautiful scenic spots, surrounded by moats, and set in splendid parks framed by wreaths of lake and woods. In the decades from

1550 to 1600, the period of the great baronial lords, most of these manors underwent renovation and modernization in accordance with the tastes and requirements of that age. The nobility imported a number of Dutch architects to supervise their building, and manor after manor was made over in the so-called Dutch Renaissance style, with heavy, massive brick walls, and copper-covered roofs. But even though the buildings were constructed under the supervision of Dutch architects, their character is unmistakably Danish. The materials and the craftsmanship were Danish, and the arrangement of the buildings determined by considerations of place and of the needs of the people. This remarkable period of building, which, so to say, transformed the aspect of the whole countryside in the course of a generation, culminated in one of the most beautiful Renaissance buildings in Europe,—Kronborg, Hamlet's castle, which mirrors itself in the waters of Oresund, at Copenhagen's entrance.

When the Danish peasants secured their freedom



Photo. Courtesy American Scandinavian Foundation

Town Hall Square, Copenhagen



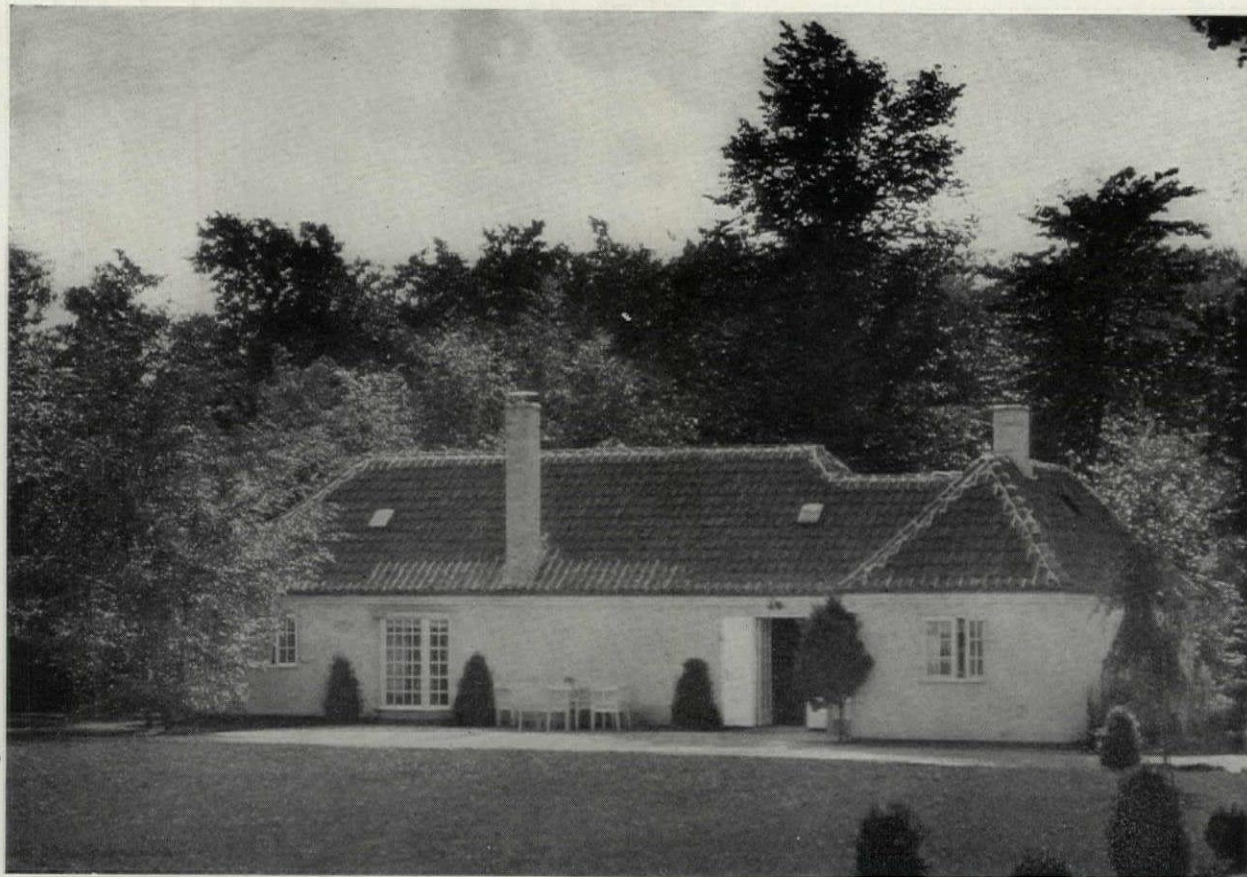
COPENHAGEN

*Photos. Sigurd Fischer*

OLD ROOFS, COPENHAGEN



RURAL DENMARK



COUNTRY HOUSE, COPENHAGEN
TH. HJEJLE & N. ROSENKJAER, ARCHITECTS

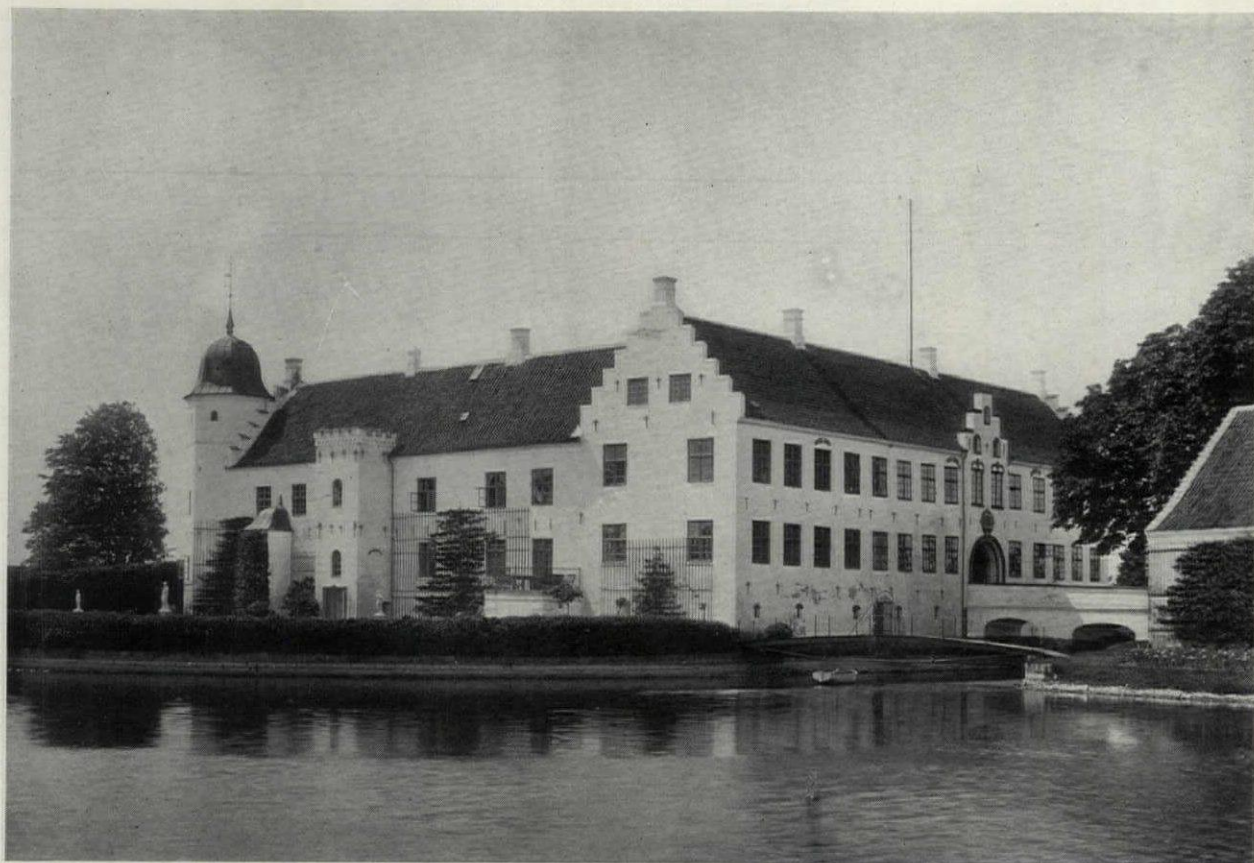


LOVENHOLM MANSION, DENMARK



Photos. Courtesy American Scandinavian Foundation

VILLESTRUP MANSION, DENMARK



FRYDENDAL MANSION, DENMARK



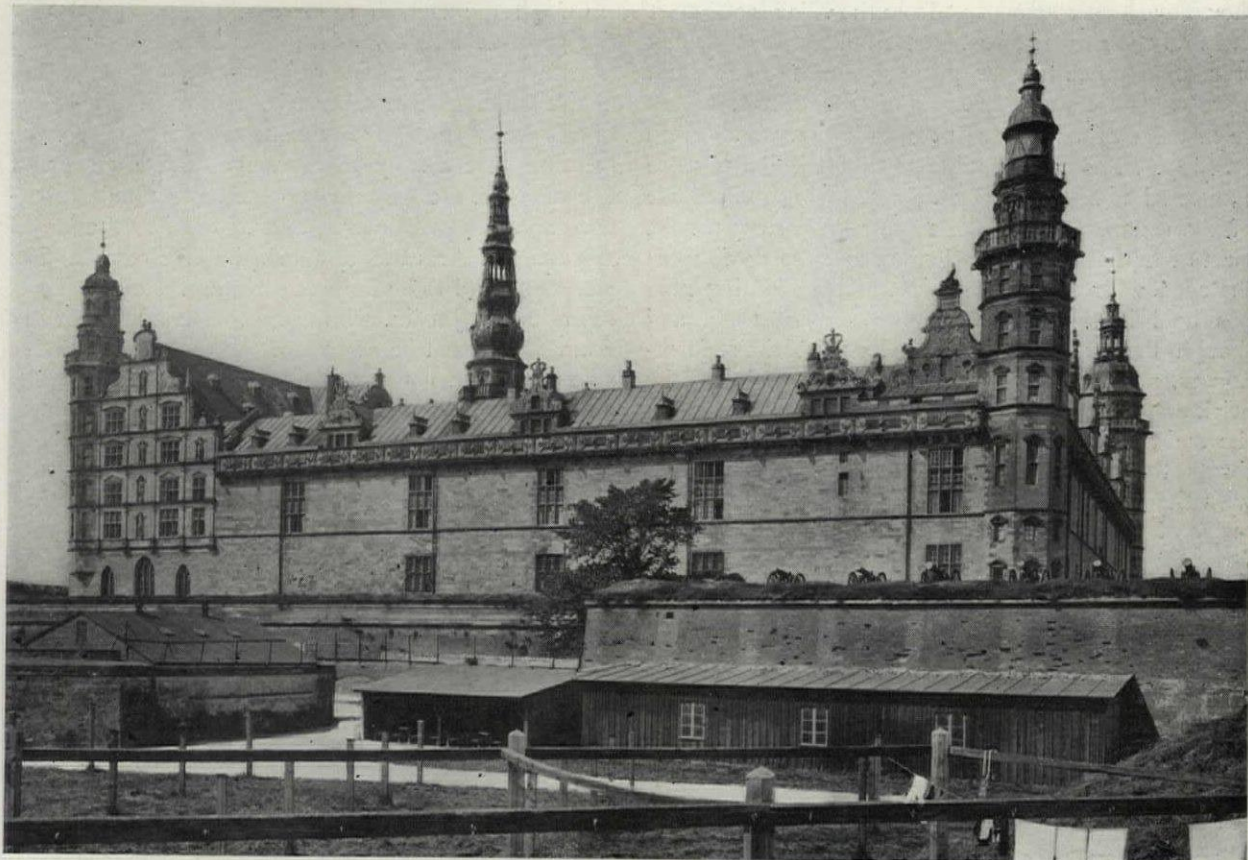
RUDBJERGGAARD MANSION, LOLLAND, DENMARK



BRAHETROLLEBORG MANSION, DENMARK



GYLDENSTEN MANSION, DENMARK



KRONBORG CASTLE, ELSINORE



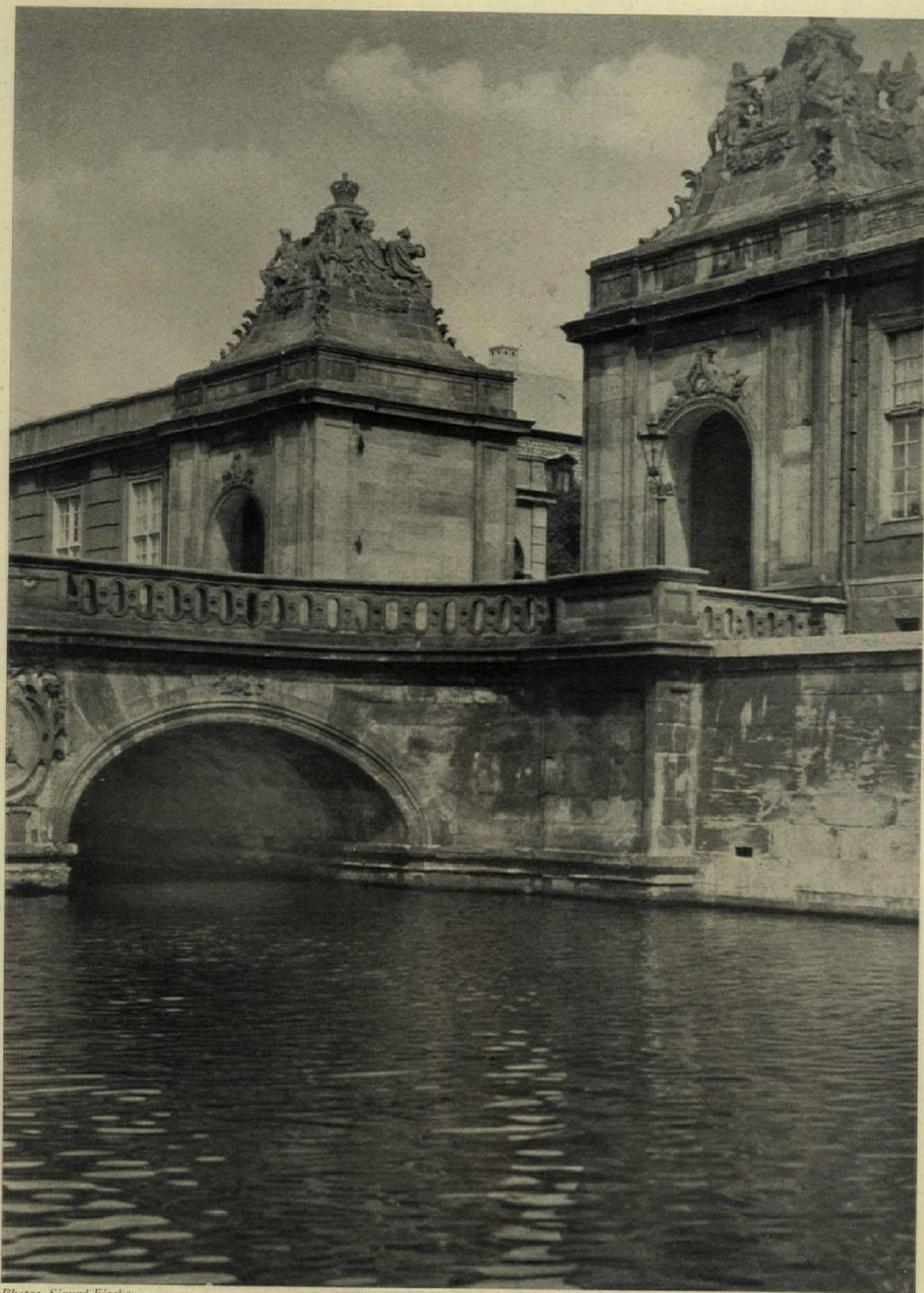
HOLMSGAARD MANSION, DENMARK

they moved their homes out from the villages and built them on their own farms. These houses were usually erected in quadrangular groups; opposite the main building stood the barn, and at the center, across from the entrance to the main building, was a large gateway. The main buildings and the barns were connected at both ends by stables, facing the outside of the square yards. These houses were, as a rule, built of half-timber construction, and the roofs were thatched with straw. This attractive building plan has held its own down to the present time, and though the peasants have modernized their farmhouses, and the half-timber has been supplanted by brick and the thatch roofs by tile, they have retained the main features of the original buildings. In the towns the rising middle classes built their homes with the same materials of half-timber and tile, and many of the houses bear traces of motifs borrowed from the castles of the great nobility. Many of these patrician houses are still to be found here and there.

Of all the Danish monarchs, Christian IV was the greatest builder, and to his love for splendid structures we owe an impressive series of castles and public buildings which must be numbered among the finest architectural monuments of their age. We mention here merely the famous Round Tower of Copenhagen, the Copenhagen Exchange, and Rosenborg and Frøderiksborg Castles. In 1730 the Royal Academy of Arts was established, and French artists were imported to be its first directors. Among these, the architect Jardin, who came to Denmark directly from Italy, must be accounted the most notable. He supervised the construction of a number of public buildings which compare favorably with the finest examples of architecture elsewhere in Europe. His buildings exemplify the best of eighteenth century French architecture, tempered by Nordic moderation, and without the French Baroque extravagance. They possess a simplicity of line and a quiet strength which mark them as characteristically Scandinavian.



Hesselagergard Mansion, Denmark



Photos, Sigurd Fischer

THE MARBLE BRIDGE, COPENHAGEN



ONE OF THE TWO PAVILIONS THAT FORM THE ENTRANCE TO THE ROYAL LIBRARY, COPENHAGEN



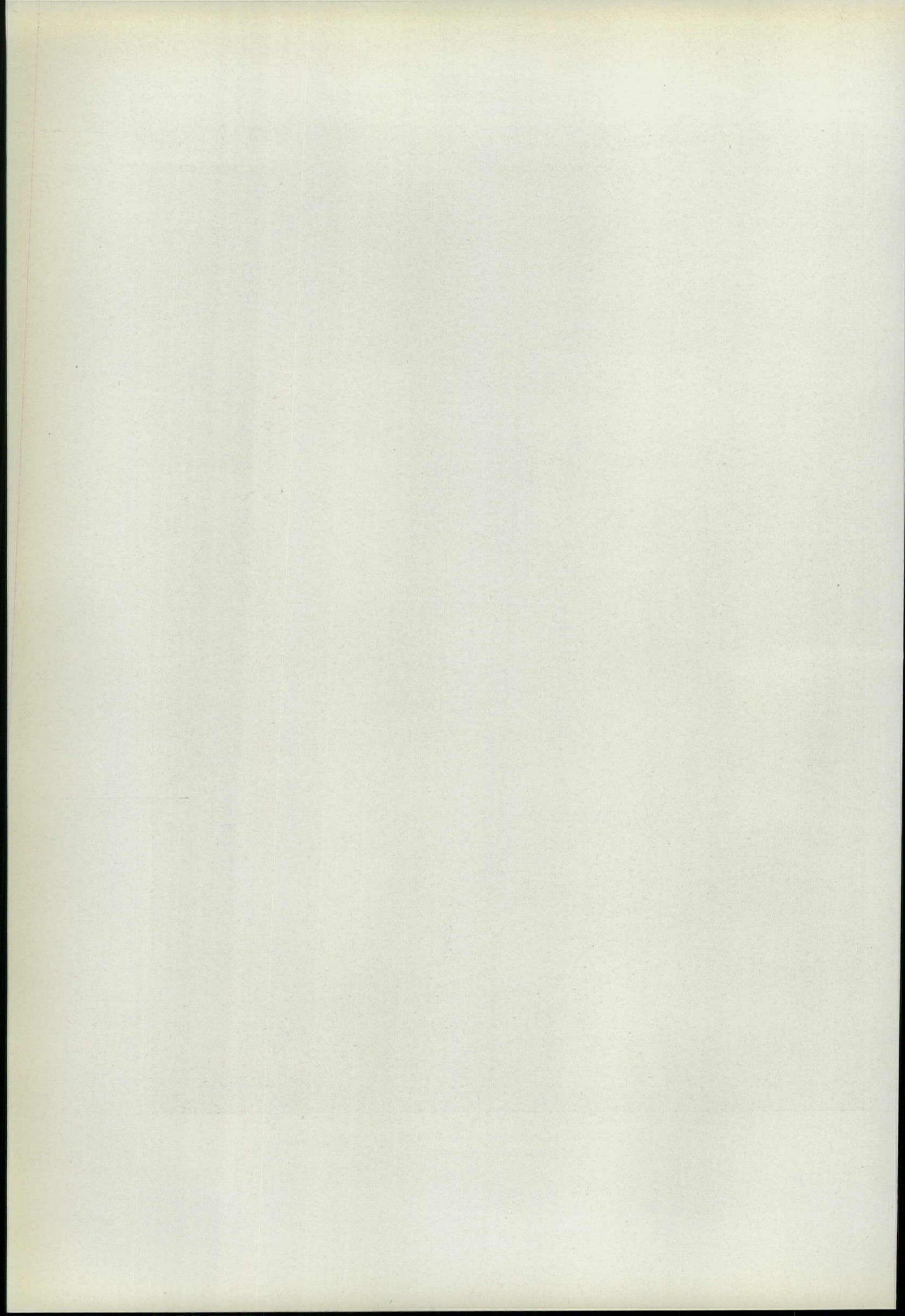
BOURSE AND STOCK EXCHANGE, COPENHAGEN



FISH MARKET, THE RECONSTRUCTED NIKOLAJ TOWER AND THE EQUESTRIAN STATUE OF BISHOP ABSALON, FOUNDER OF COPENHAGEN



COLONNADE AT AMALIENBORG CASTLE, COPENHAGEN
DESIGNED BY HARSDORFF

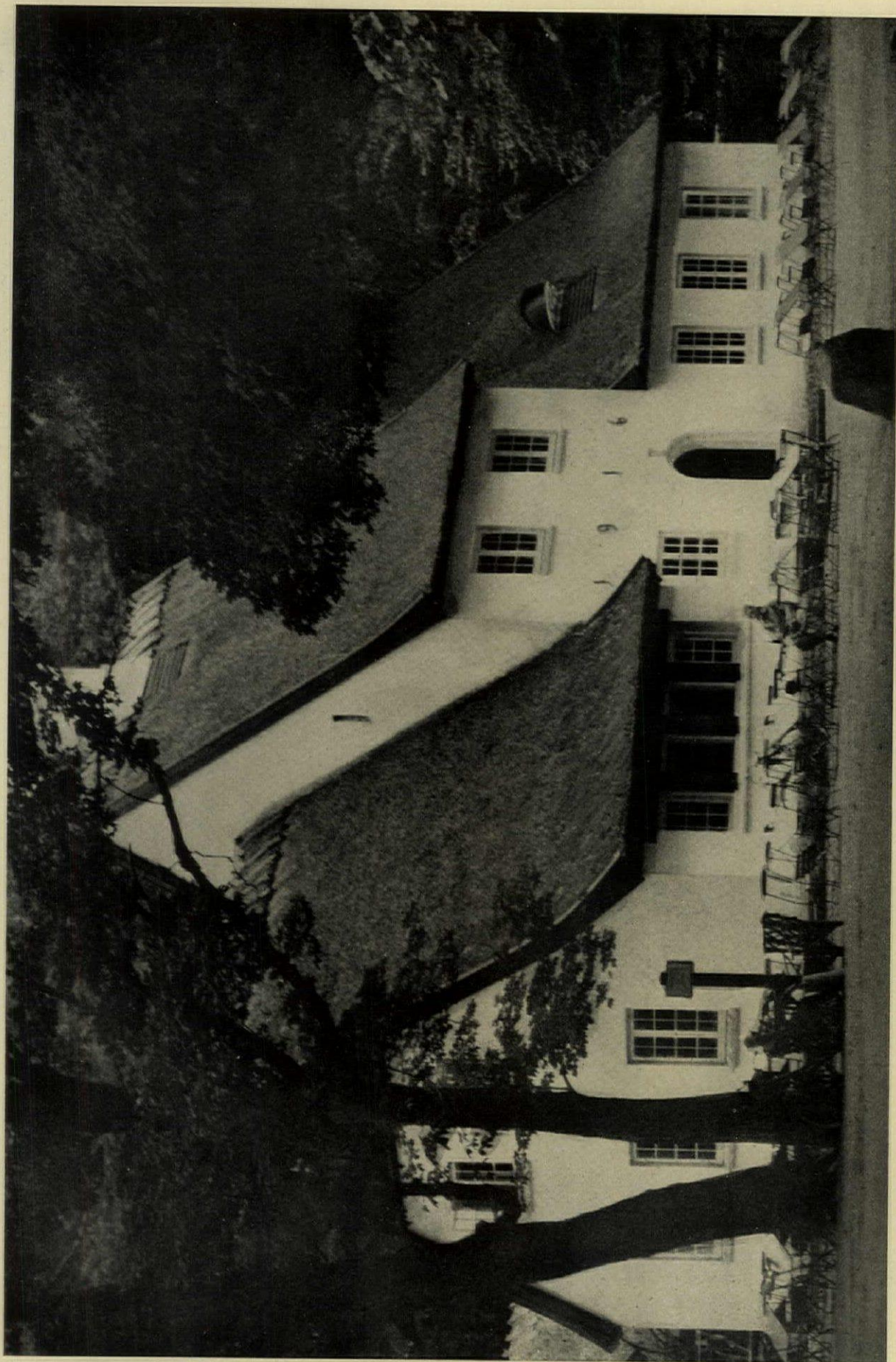




TOWN HALL SQUARE, COPENHAGEN



ENTRANCE GATE, KONGENS HAVE, COPENHAGEN



PETER LIP'S HOUSE IN DYRHAVEN, COPENHAGEN
A POPULAR INN SINCE THE BEGINNING OF THE EIGHTEENTH CENTURY. THE ORIGINAL FORESTER'S HOUSE WAS BURNED IN 1915 AND REBUILT A YEAR LATER

THE TOWN HOUSE OF WILLIAM ZIEGLER, JR., ESQ.

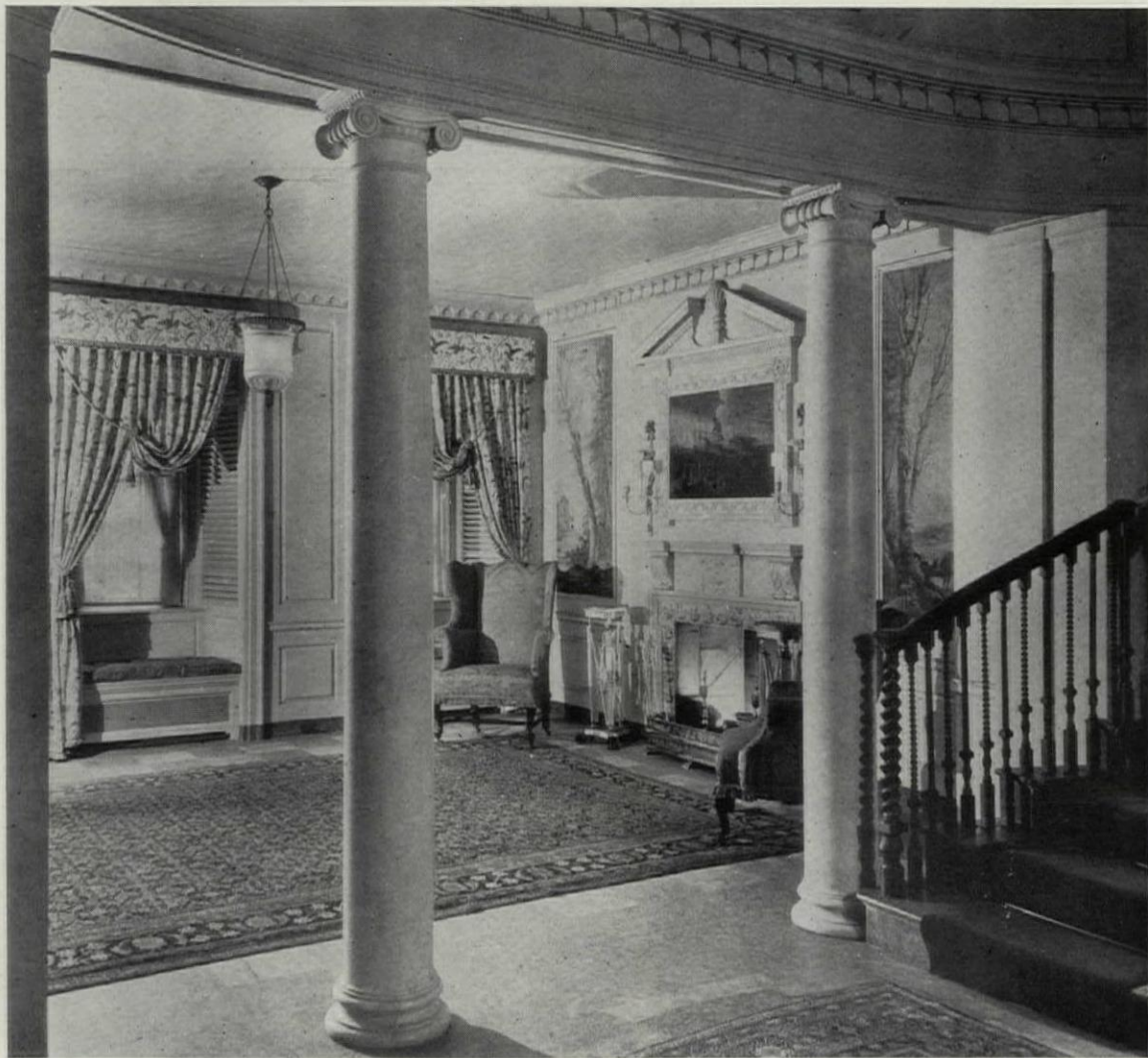
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT

BY

MATLACK PRICE

TO every discerning architect must come the time when he discovers that architecture is not satisfying if it fails to go beyond mere correctness,—correctness, that is, which has to do with the accuracy with which he has transcribed this or that moulding. Scholarly carefulness, no matter how fine, comes to seem inadequate. Imagination is not involved, or good taste,—and of these two all true architecture is found, in the end, to be compounded. Because this is so, imagination and good taste often make up most of the difference between really distinguished architectural performance and that which may be good but quite undistinguished. It may even be unfortunate that good taste is often a gift rather than an acquisition. If it could be easily acquired, we might see more of it,—but as things are, it is in no danger of becoming commonplace. All of which prefaces a few words regarding a recently built

house designed by William Lawrence Bottomley, an architect whose work I have always felt to be marked by essentially good taste. The Ziegler town house is definitely American in its major characteristics, with a certain cosmopolitan urbanity in the whole manner of its rendering. Of brick exterior, with paneled shutters and a fine Georgian doorway, the broad entrance foyer at once bespeaks a definite American lineage. The cornice derives from the old Congress Hall cornice of Philadelphia, and two stone Ionic columns suggest something that Jefferson might have done in the Classic manner of Monticello. The built-in paintings are French, of the early eighteenth century, by Forbin, entirely in character with the sort of thing which might have been brought over in Revolutionary times for the adornment of the fine house of a gentleman of taste and means. Beyond the circular stair well, which runs the entire four



Entrance Hall, House of William Ziegler, Jr., Esq., New York

William Lawrence Bottomley, Architect



OWNER'S BEDROOM



GUEST ROOM BATH ON THIRD FLOOR
HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT



LIVING ROOM TERRACE ON SECOND FLOOR
HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT

flights to the top of the house, there is a beautifully done "powder room," much in the manner of the Empire without being too insistently stylized. Spacious closets are built behind concealed doors painted by Mrs. Joseph B. Thomas in the manner of old *grisaille* wallpaper, with a panorama of very early New York. Here the utmost smartness and sophistication have been achieved wholly without affectation.

Au premier etage. The hall gives toward the front of the house into the dining room, and toward the rear into the sitting room. The dining room is long and dignified, faithfully detailed from the old Beekman house. Mr. Bottomley had impressions made of the mouldings and other ornamental details, and these are executed in a manner thoroughly in accord with the feeling of the original work. Here is a dining room that is a serious and significant addition, like Grosvenor Atterbury's work in the New York City Hall, to the best of our re-creations of Georgian Colonial and early American interiors. In the large sitting room there is a full realization of the opportunity for fine spaciousness that is

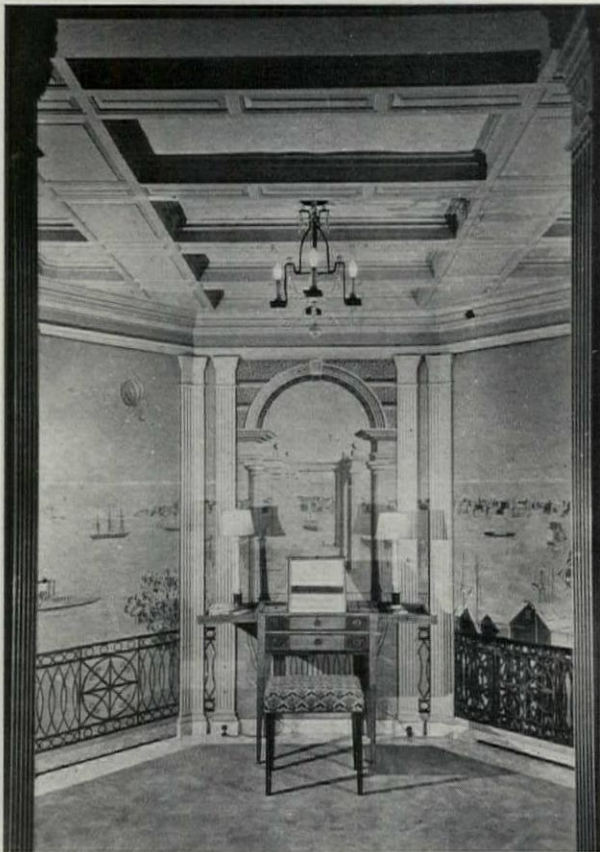
afforded by the wide city plot on which the house is built. The room is an old deal room from England, an original, astoundingly like, in detail, to the Beekman interior on which the dining room was based, being, in fact, an architectural contemporary. It is a handsome room, a fit setting for its fine paintings, such as a landscape by Gainsborough. Architectural ingenuity has further provided concealed incidents which would surprise the original designer of the room. One door, for instance, conceals a complete lavatory in old Dutch tiles; another reveals a complete radio equipment, and small panels, when opened give access to winches for lowering the great Waterford glass chandeliers, so that they may be cleaned without mounting tall step-ladders. The sitting room windows open upon a pebbled terrace with a fountain, and as this terrace is laid out on an extension of the service quarters below, it looks down, in turn, upon the garden that occupies the remaining portion of the premises and toward the facades of other houses.

The third floor is given over to charmingly furnished guest rooms, with faultlessly appointed baths

and dressing rooms, in every detail of which ingenuity is combined with good taste. One realizes at this point, how the good taste that pervades the whole house has kept any one room or any stylistic mannerism from being insistent or over-architectural, and is reminded, perhaps, of the definition of the really well dressed man, of whose apparel every detail

is in such good taste that one cannot remember, at first thought, exactly what he was wearing. The fourth floor, by choice, is occupied by the owner's apartment, with charmingly designed dressing rooms and baths. Concealed closets with trays and hanging space are ample,—and are invariably planned with unobtrusive ingenuity. Every comfort or convenience caters to pleasant living in a charming environment. Can any architect, by any possible means, accomplish more?

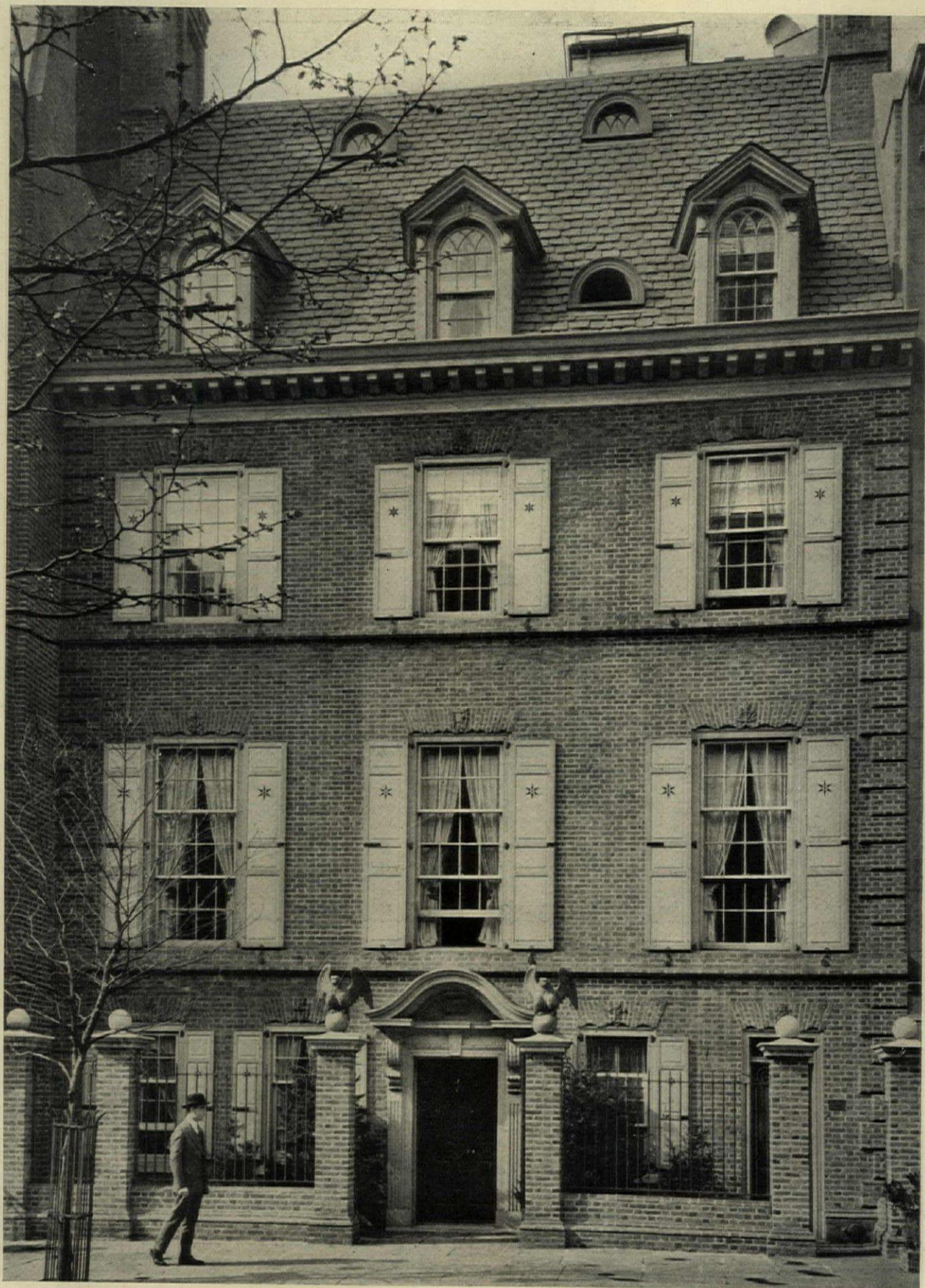
The details of interior decoration were carried out by Mrs. Cameron Tiffany, in collaboration with Mr. Bottomley. Everyone who is at all familiar with Mr. Bottomley's work must think of him as, himself, a decorator of peculiarly marked abilities as evidenced in his invariable



Dressing Room on First Floor

combination of knowledge and good taste. There is never anything unstudied or unfinished in his work.

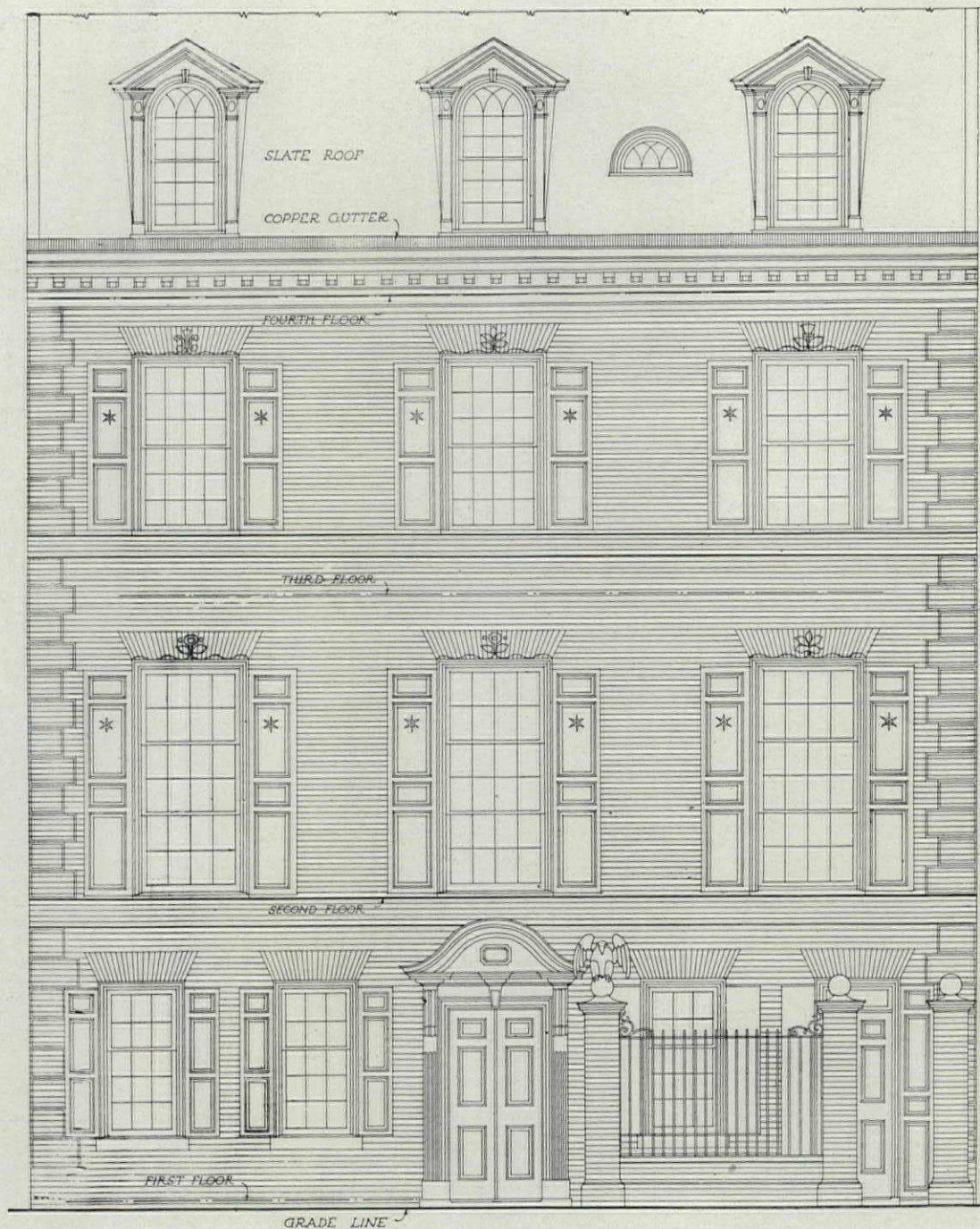
Editor's Note. In these days when so many of the younger architects are spurning and discarding all use of precedent in their designs, it is both gratifying and reassuring to find one of our foremost younger architects using Georgian precedent with such complete success. Although purely English Renaissance in every detail, this house of Mr. Ziegler's shows unusual originality and inspiration. It is a perfect example of the way architectural precedent should be studied and adapted to modern requirements. Particularly is it true in domestic architecture that designs carried out under the influence of the modernistic school are deplorably lacking in those qualities which make for liveableness, charm, satisfaction, and the all-important quality of hospitality, which, for the past two centuries, have been characteristic of the finest domestic architecture in England, France and America. To most of us, the bizarre, grotesque and ascetically rectangular interior architecture and furnishings of the modernistic house are distressing.



Photos. Sigurd Fischer

Detail on Back

HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT



FRONT ELEVATION



AUG.
1928

DETAIL. HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT

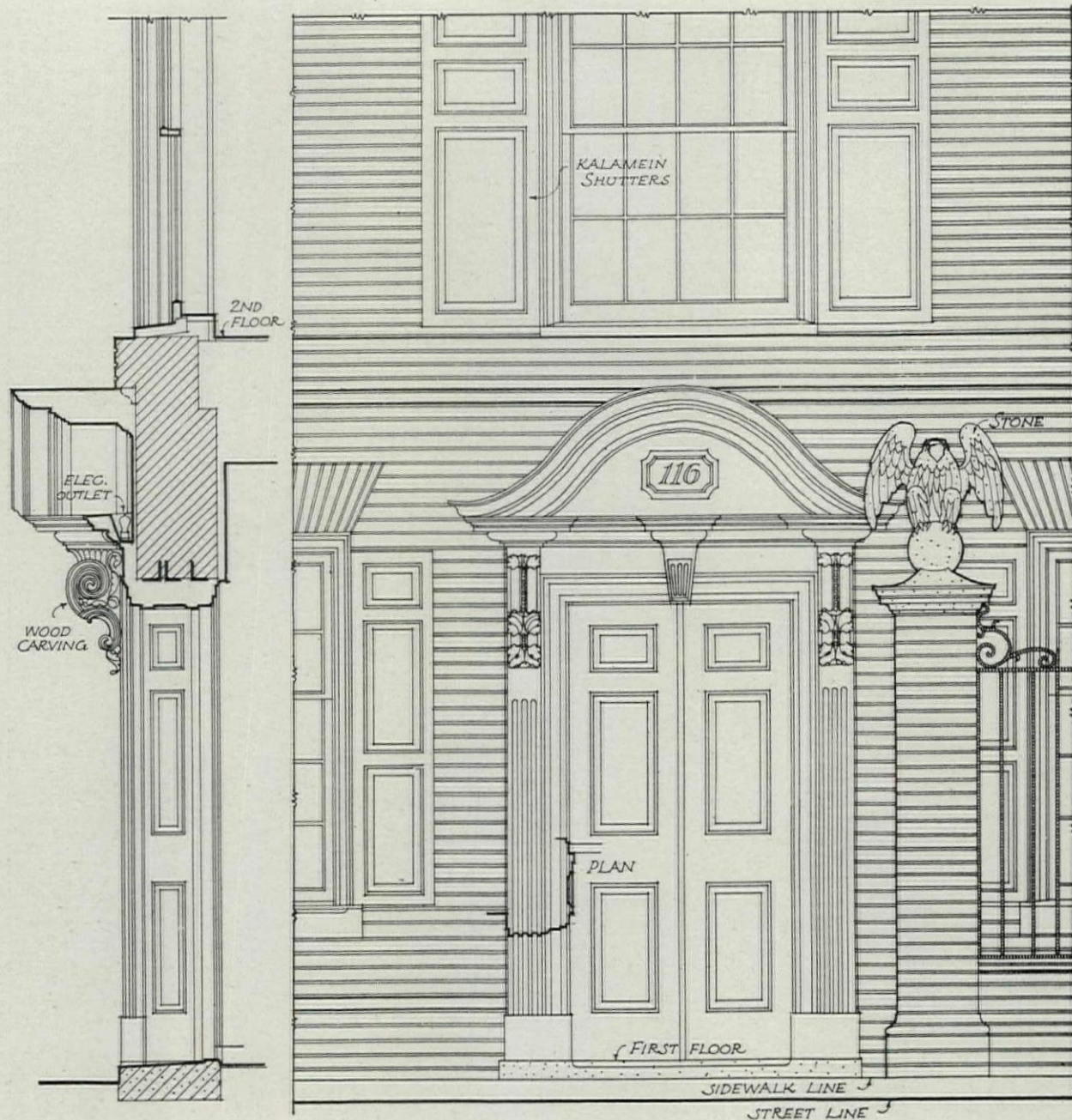
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The ARCHITECTURAL FORUM DETAILS



Detail on Back

HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT

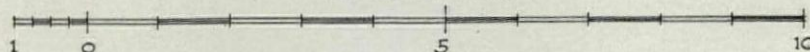


Section

Elevation

ENTRANCE DETAIL

SCALE IN FEET



AUG
1928

HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT

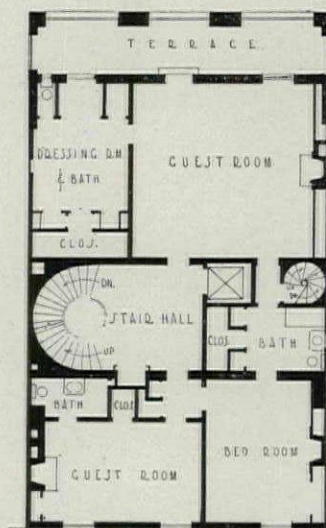
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The ARCHITECTURAL FORUM DETAILS

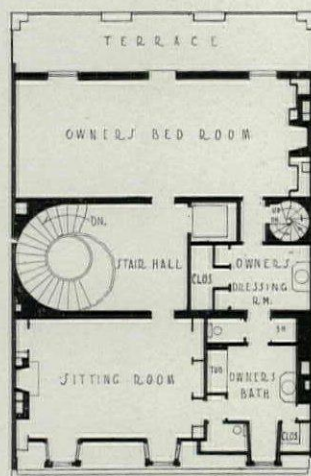


Plans on Back

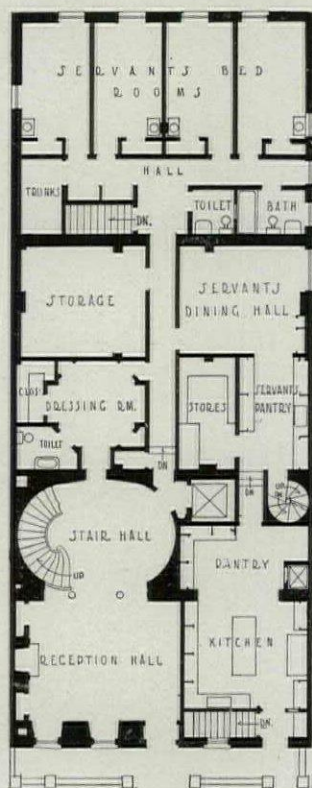
LIBRARY
HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT



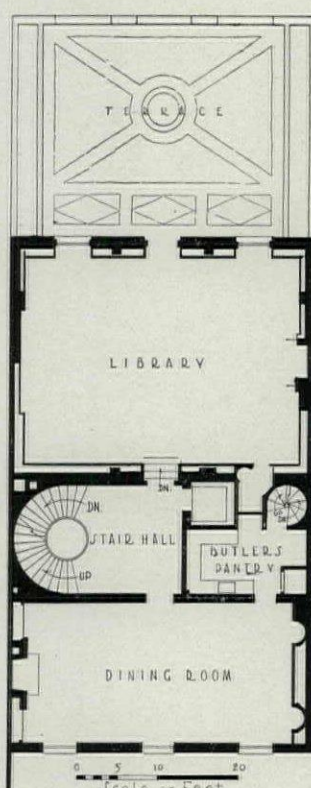
SECOND FLOOR



THIRD FLOOR



ENTRANCE FLOOR



FIRST FLOOR

PLANS. HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT

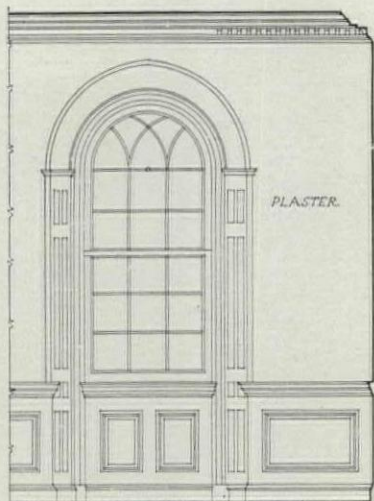


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HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT

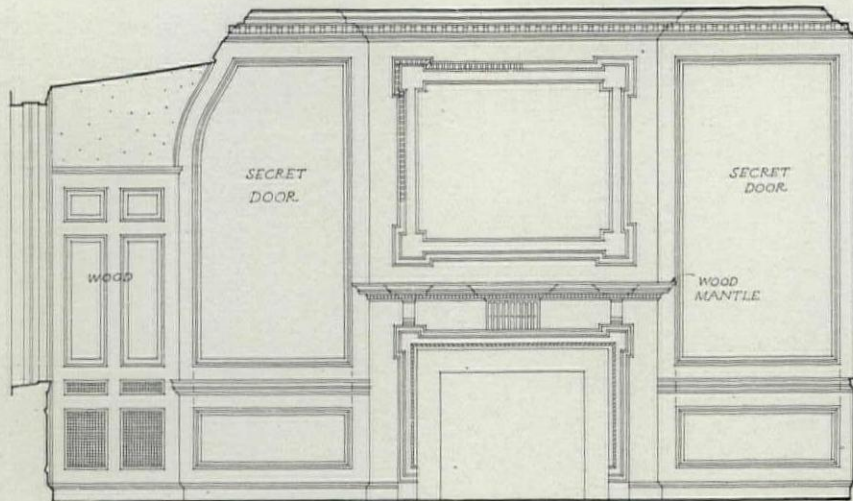


Details on Back

SITTING ROOM
HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT



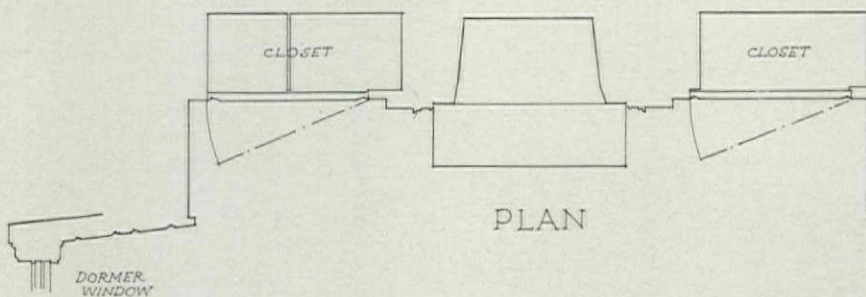
PART OF
SIDE ELEVATION



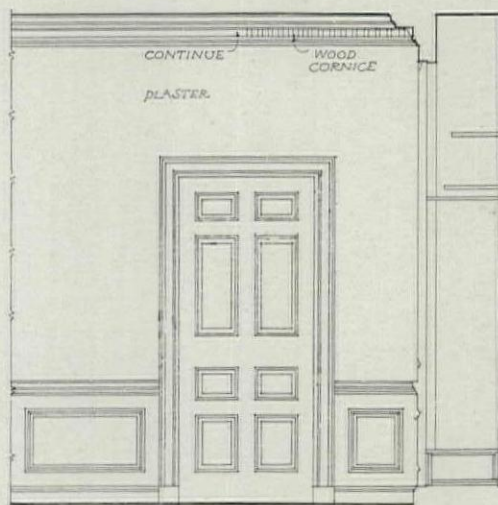
FIREPLACE ELEVATION

SITTING ROOM DETAILS

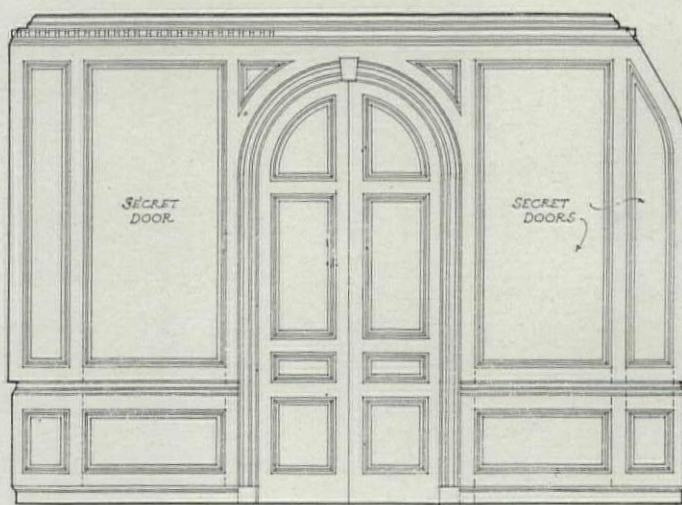
FOURTH FLOOR



PLAN

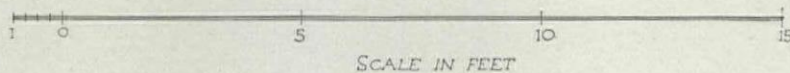


PART OF
SIDE ELEVATION



ELEVATION OPPOSITE FIREPLACE

AUG
1928



No.
77

HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT

The ARCHITECTURAL FORUM DETAILS



DINING ROOM

Details on Back

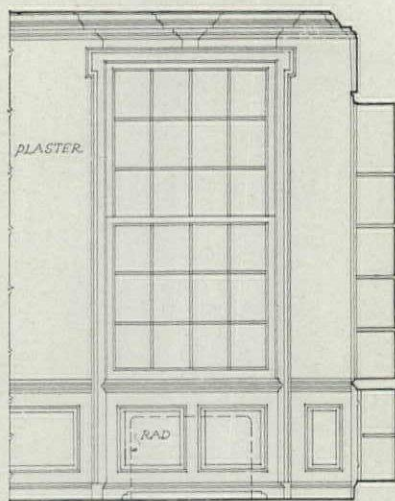
HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT



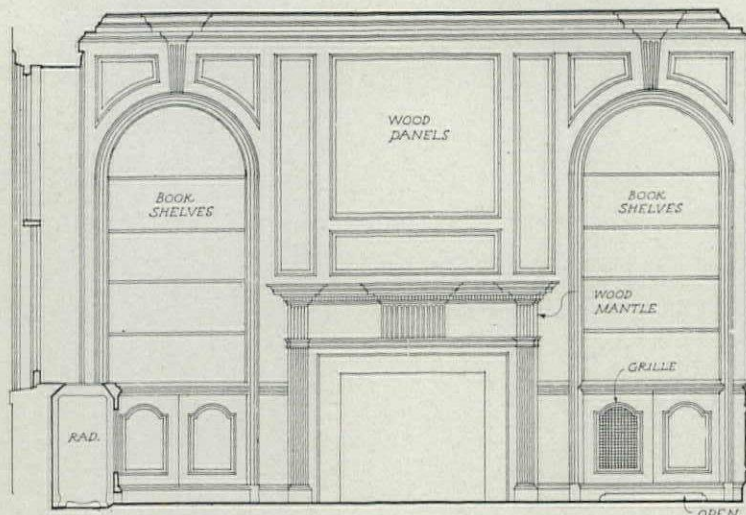
OWNER'S BEDROOM

Details on Back

HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT

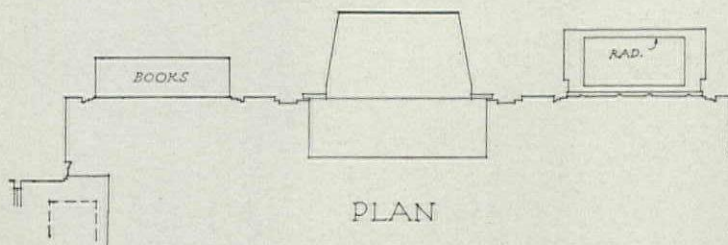


PART OF
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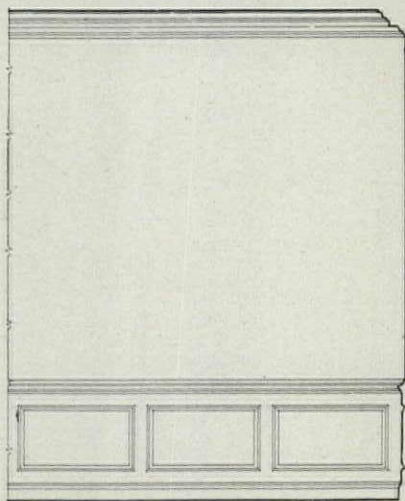


FIREPLACE ELEVATION

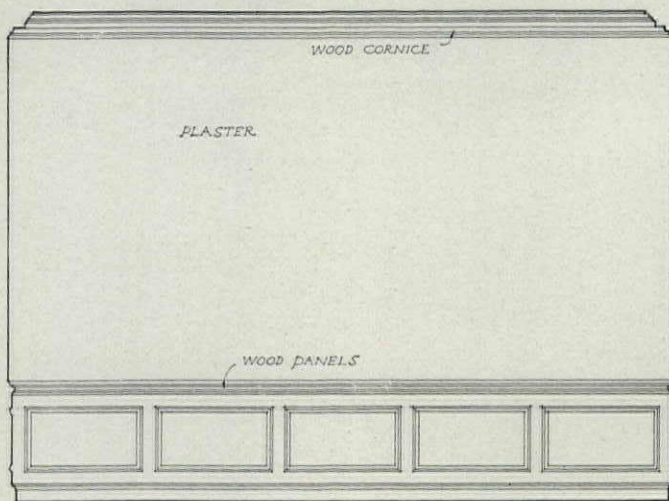
DETAILS *of* OWNER'S BED ROOM



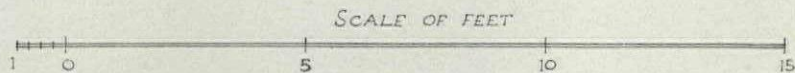
PLAN



PART OF
SIDE ELEVATION



END ELEVATION



AUG.
1928

HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT

No.
79

The ARCHITECTURAL FORUM DETAILS



HALL ON SECOND FLOOR
HOUSE OF WILLIAM ZIEGLER, JR., ESQ., NEW YORK
WILLIAM LAWRENCE BOTTOMLEY, ARCHITECT

THE FIRST BAPTIST CHURCH, PLAINFIELD, N. J.

HOBART B. UPJOHN, ARCHITECT

BY

OTTO F. LANGMANN

REGARDLESS of whether it be faith, reason or circumstance that induces man to accept his religion, there is still the subtle matter of setting or "atmosphere" to be reckoned with in his selection, and it is the architect's privilege, as well as his difficult problem to supply this intangible and evasive thing, usually with forms and materials that are familiar, for in churches, above all else, our art bids us be conservative, using only what might be proper.

Knowing success to be dependent directly neither upon size or proportions nor richness of materials and yet, on the other hand, being uncertain as to its contributing causes, the architect welcomes with joy an opportunity such as was afforded in the case of the First Baptist Church at Plainfield, N. J. With its walled flower garden and willow and pine trees, the plot itself had so much charm that the success of any architectural composition to be placed upon it seemed reasonably assured. The history of this church is so interesting that it is worth while recording some of the salient facts. The earliest Baptists of this community worshiped in a meeting house at Scotch Plains, built in 1742. From it came men who in 1792 founded Samptown Church, two miles south of Plainfield, and from this, in turn, sprang the First Baptist Church at Plainfield. At the time of its organization, it had 34 members, and its pastor, the Reverend Jacob Fitz Randolph, drew the munificent salary of \$250 per annum. Considering that the town of Plainfield at this time numbered 250

inhabitants, this represented an expenditure of exactly one dollar per person in the cause of religion. It would be interesting to know the cost of building in those days, but unfortunately the record of whatever assessment was made of its 250 citizens is not preserved. The original meeting house was a plain rectangular frame building, without spire or other marks to distinguish it as a place of worship. Later on, however, there were added such elements, first a bay at the rear, in 1837, and then a portico with square columns and a cupola in 1843. As the size and wealth of the congregation increased, the building became too small and modest in appointments and so, in 1868, it was moved to the rear of the lot while a new edifice was erected of local stone. This building endured, without change, until 1923, when a disastrous fire rendered the congregation homeless.

After considerable deliberation and delay, it was decided to move to a new site, and the residence and garden now incorporated into the "plant" were purchased. Furthermore, those in charge of the new building program instituted a competition among a limited number of architects in the belief that this procedure would insure the best results, and the new church represents the winning design of this competition. The program as written called for the incorporation of the residence on the site into the general scheme, which meant, since Colonial was the style employed, refacing it with a veneer of brick and cutting back the projections of all cornices. The



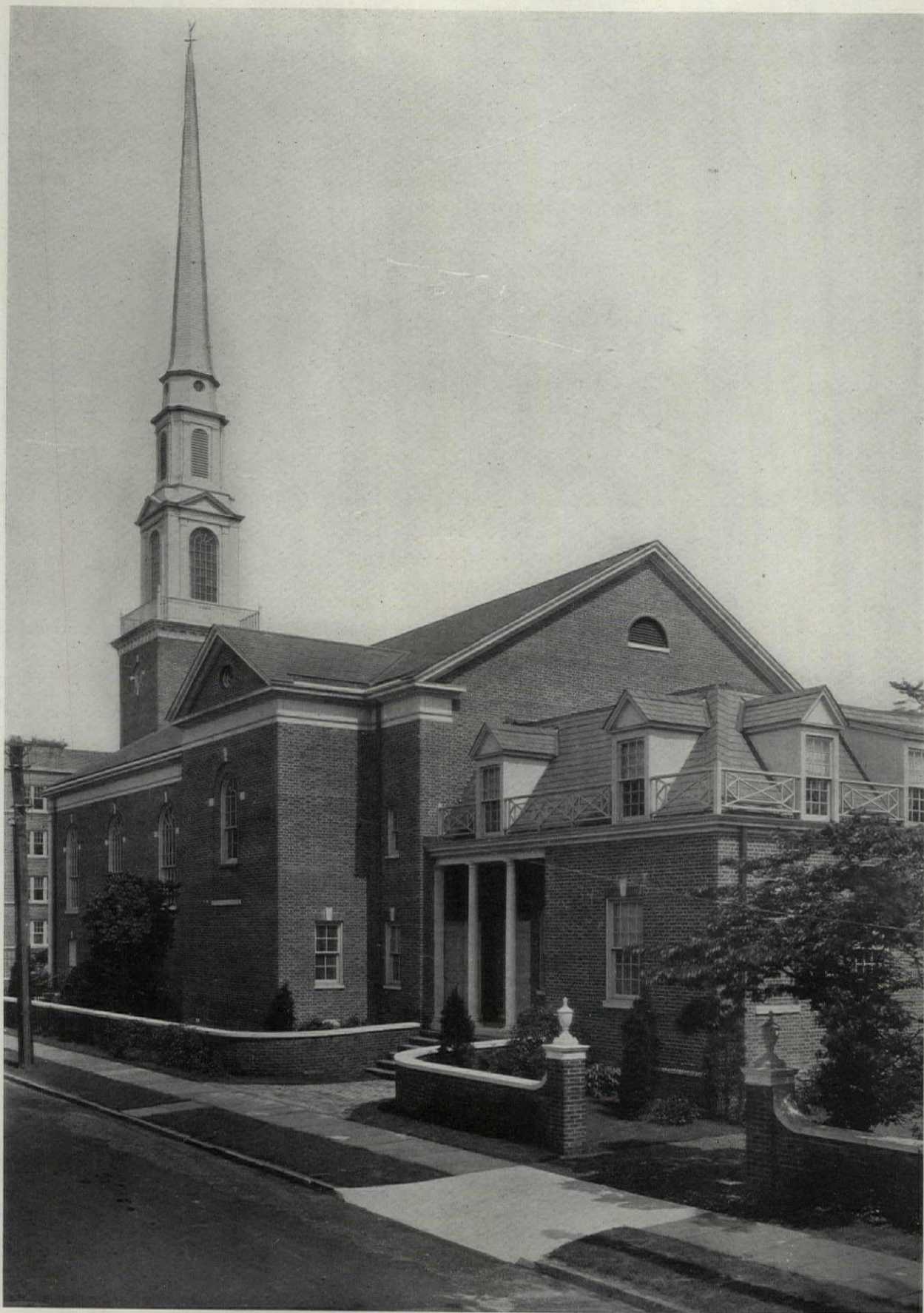
Photos. Mattie Edwards Hewitt

First Baptist Church, Plainfield, N. J.

Hobart B. Upjohn, Architect



FIRST BAPTIST CHURCH, PLAINFIELD, N. J.
HOBART B. UPJOHN, ARCHITECT



FIRST BAPTIST CHURCH, PLAINFIELD, N. J.
HOBART B. UPJOHN, ARCHITECT



Parsonage, Sunday School and Close, First Baptist Church, Plainfield, N. J.

Hobart B. Upjohn, Architect

finished building testifies to its complete success.

The plan of the group is of U-shape, with the Sunday School at the back, flanked by the church at the right and the church offices at the left. The old encircling brick wall was retained, although it had to be reduced in height so as not to be a menace to traffic. Even in its altered form, however, it contributes to a seclusion that is rare with modern churches. The church, with its slender spire and high nave windows, dominates the design, the Sunday School being low, somewhat in the manner of the dependencies or outbuildings of Colonial residences. The church auditorium is a simple rectangular room, without columns, but with a balcony at the rear and a slightly curved ceiling. The organ is placed on the main axis of the room, in the chancel immediately above the baptistry, while the singers occupy stalls, two on either side of the chancel. The organist is placed in a gallery, behind the choir stalls and within reach of members of the choir to permit the passing of sheet music or notes. By a mandate of the competition, the organ had to be placed back of the pulpit, and it quite dominates the composition with attributory elements of baptistry and chancel furniture. Behind the baptistry are located six robing rooms, to be used at baptismal services, and at the right is a study for the minister for use immediately before and after service. The Sunday School, lying in the wing at right angles to the church, contains the Beginners', Primary, Intermediate, Senior and Young People's departments, consisting of small classrooms and their respective assemblies, and a large room for general assembly called the "Fellowship Hall." Two large fireplaces emphasize the social note of this room, while a stage

and projection room allow for dramatic entertainments. A large, well equipped kitchen, capable of preparing meals for 250 people, is adjacent to the Fellowship Hall. The residence formerly on the site has, as was already said, been much altered on the exterior, whereas the interior was only slightly changed to meet the needs of the executive branch of the church organization. The minister's study, women's parlor and various offices, some of which can be also used for meetings of classes on Sunday, are located here, easily accessible from the street; and by virtue of the fact that this was once a residence, the rooms which they occupy are free from any touch of the "institutionalism" which so easily creeps into the design of a regular office building.

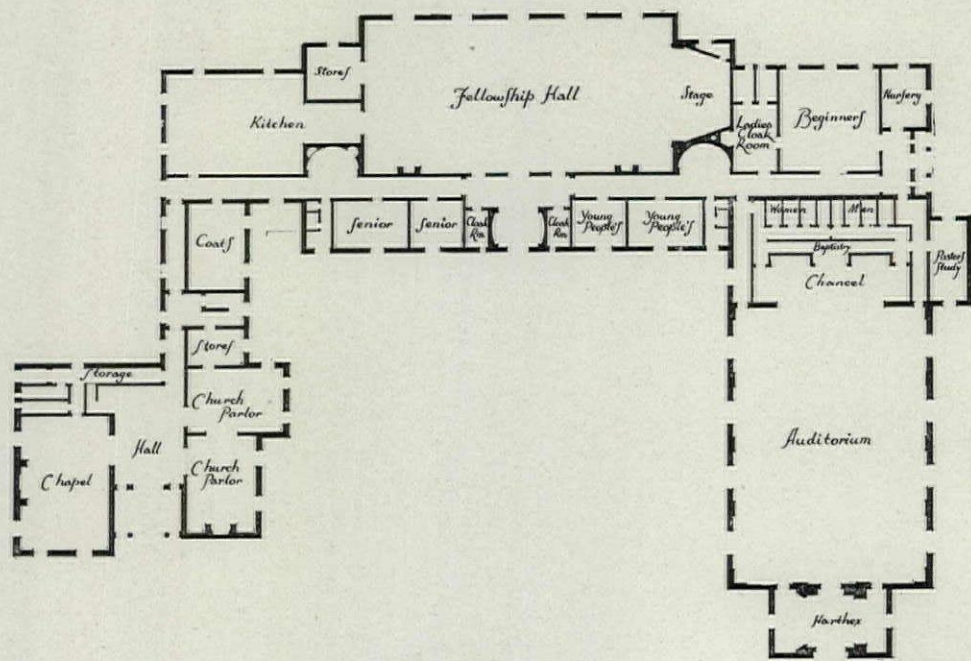
As to the decorative color scheme employed throughout the group, this adheres strictly to precedent, in that the woodwork, except for doors of mahogany, is of ivory. The walls, however, are treated in pale colors, varying from blue in the Fellowship Hall to green in the Primary, and from tan in the Beginners' Room to a warm, grayish buff in the church auditorium. Draperies in practically all the rooms, appropriate decorations on the lamp shades, and chairs in the small children's rooms, and the presence of a flower box here and there, together with the light colors of the walls, afford a note of cheerfulness blended with that cleanliness so proverbially akin to Godliness, giving an impression in absolute contrast to that of the gloomy and stuffy churches of an age not so long gone by. Brick, marble and wood are the materials employed in the walls, use being made of a local brick from South River, N. J., closely resembling that used in colonial times. Cornices, pilasters and the spire are of wood.



Photos. Mattie Edwards Hewitt

Plan on Back

FIRST BAPTIST CHURCH, PLAINFIELD, N. J.
HOBART B. UPJOHN, ARCHITECT



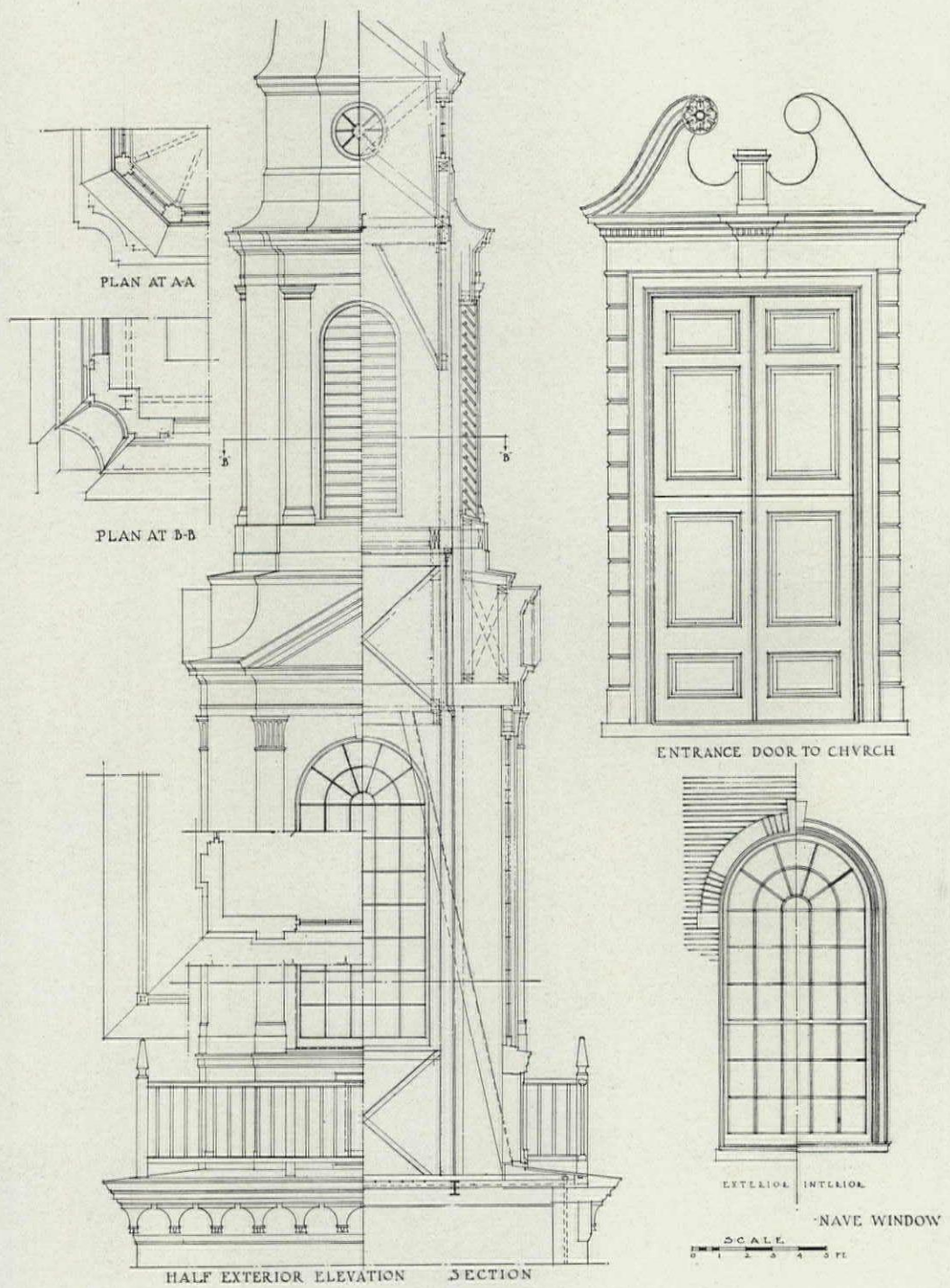
MAIN FLOOR

PLAN. FIRST BAPTIST CHURCH, PLAINFIELD, N. J.
HOBART B. UPJOHN, ARCHITECT



FIRST BAPTIST CHURCH, PLAINFIELD, N. J.
HOBART B. UPJOHN, ARCHITECT

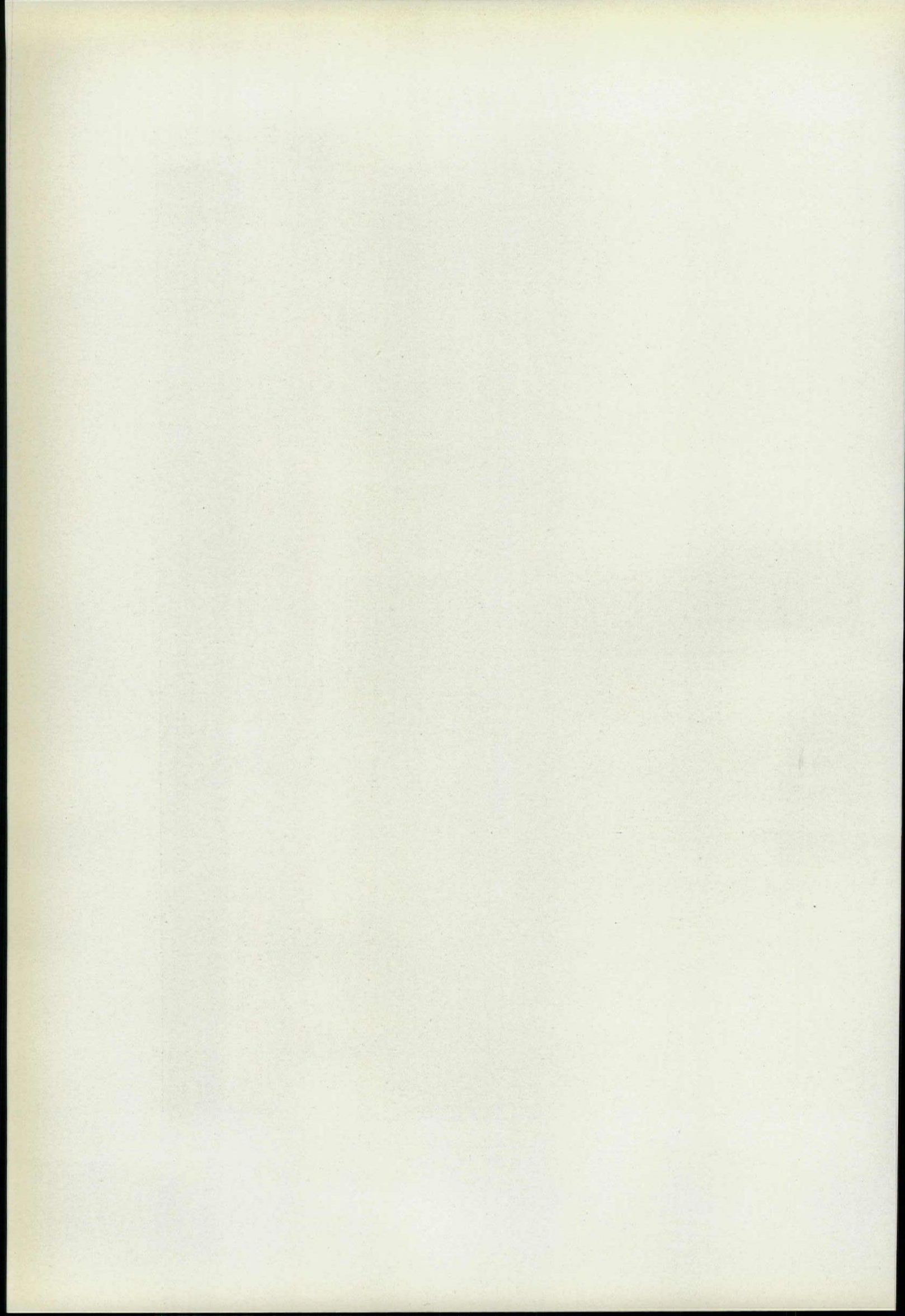
Detail on Back



DETAILS. FIRST BAPTIST CHURCH, PLAINFIELD, N. J.
HOBART B. UPJOHN, ARCHITECT



FIRST BAPTIST CHURCH, PLAINFIELD, N. J.
HOBART B. UPJOHN, ARCHITECT





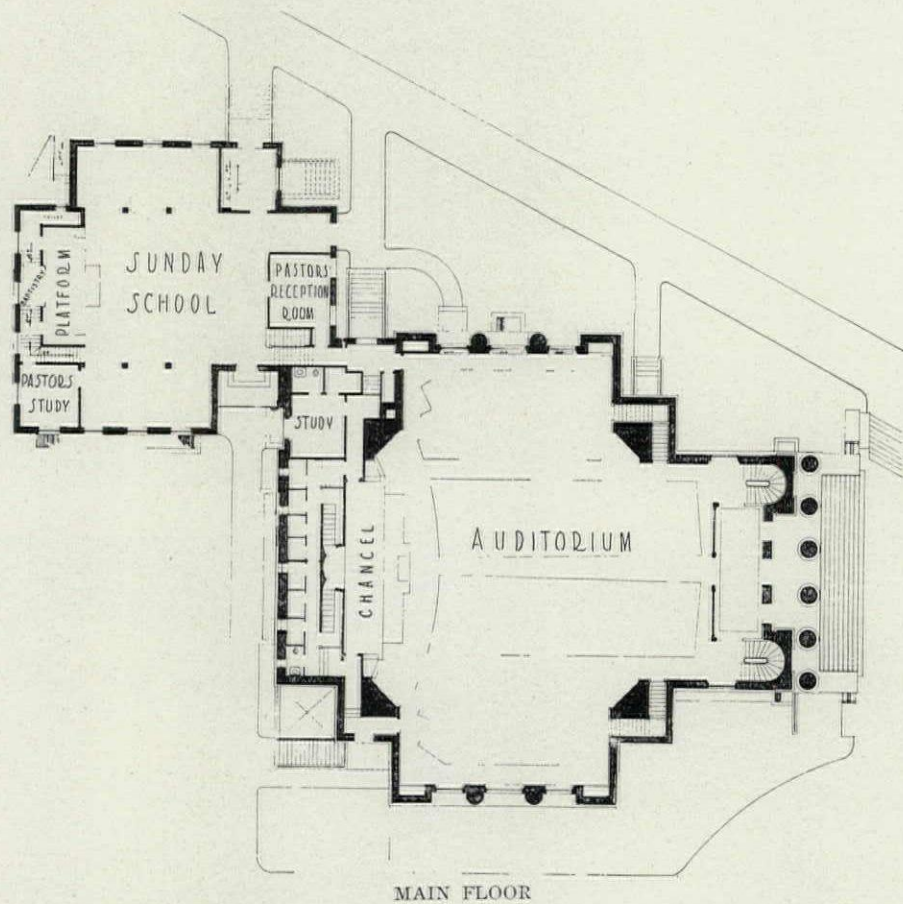
FIRST BAPTIST CHURCH, PLAINFIELD, N. J.
HOBART B. UPJOHN, ARCHITECT



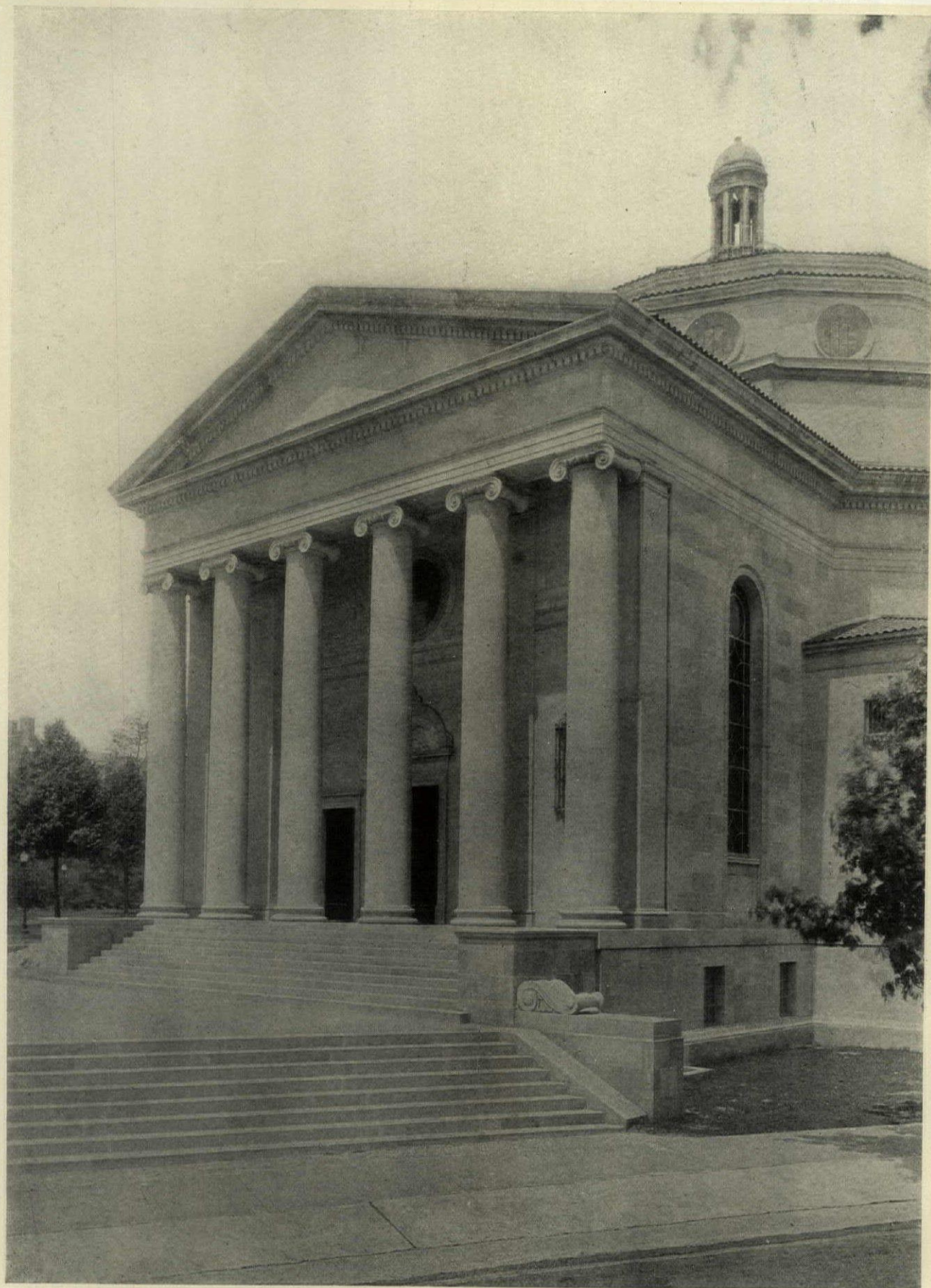
Photos. John Wallace Gillies, Inc.

Plan on Back

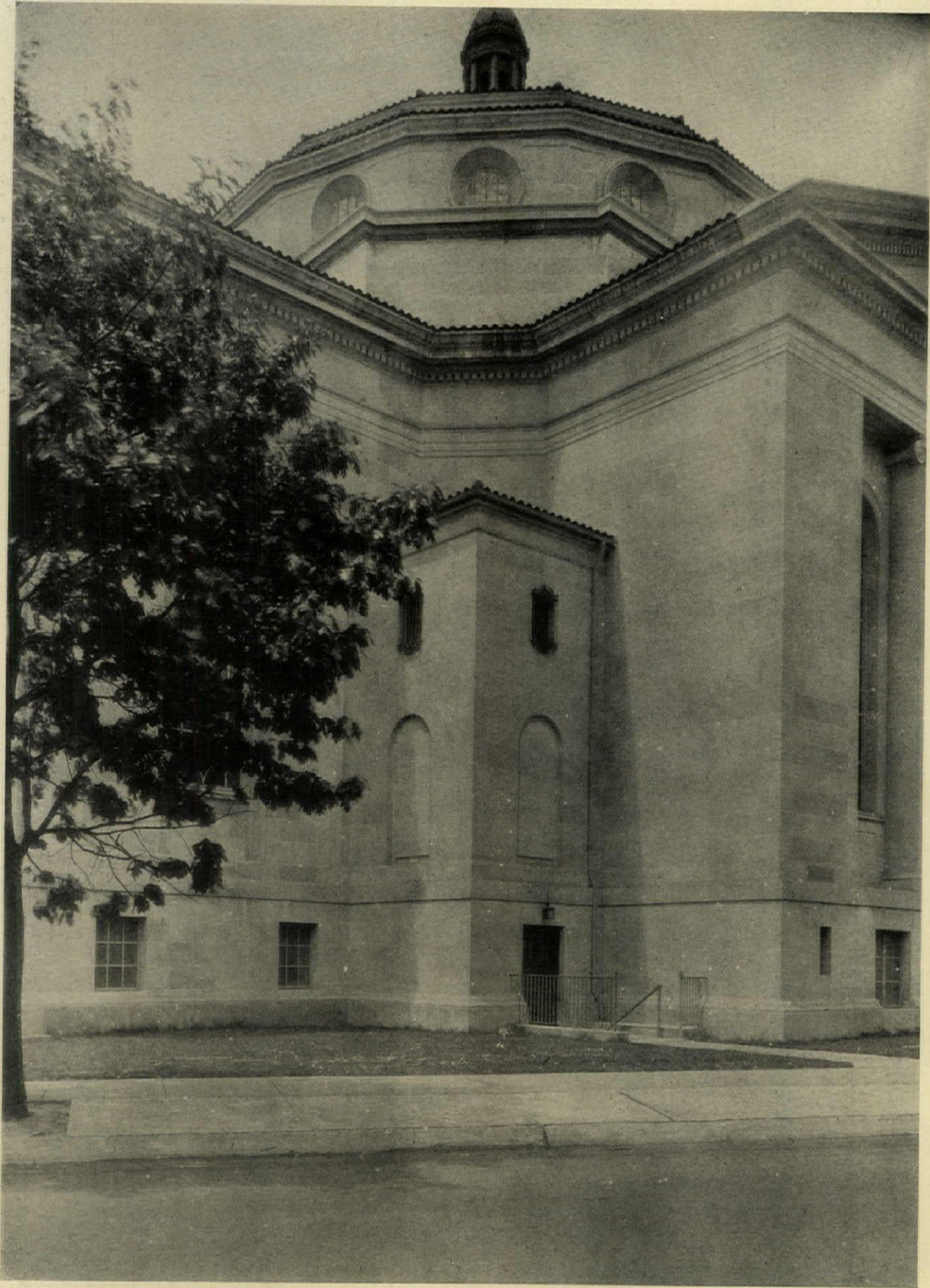
UNIVERSITY BAPTIST CHURCH, BALTIMORE
OFFICE OF JOHN RUSSELL POPE, ARCHITECT



PLAN. UNIVERSITY BAPTIST CHURCH, BALTIMORE
OFFICE OF JOHN RUSSELL POPE, ARCHITECT



UNIVERSITY BAPTIST CHURCH, BALTIMORE
OFFICE OF JOHN RUSSELL POPE, ARCHITECT



UNIVERSITY BAPTIST CHURCH, BALTIMORE
OFFICE OF JOHN RUSSELL POPE, ARCHITECT



UNIVERSITY BAPTIST CHURCH, BALTIMORE
OFFICE OF JOHN RUSSELL POPE, ARCHITECT

SOME DOMESTIC WORK OF BAILLIE SCOTT

BY
WILLIAM PATTERSON

AMONG those who admire modern domestic English architecture of the more picturesque and romantic school, the name of Baillie Scott is indeed well known. Gifted with much originality of thought and with considerable skill in the matter of design, he has built many English homes, large as well as small, which may well be passed on to coming generations of Englishmen as excellent examples of the best in the way of present-day design and craftsmanship. Mr. Scott's design excels, first of all, in the matter of grouping structures. With a high regard for symmetry and usually for balance, he disposes the masses of his buildings in ways which satisfy one's sense of proportion without involving a formal disposition of similar parts upon either side of an axis. Then, too, he has inherited from earlier British architects that almost unerring instinct for the combining of different architectural elements in ways which seem to be logical and the result of carefully thought out planning, even when, as has frequently happened, the combining has been wholly fortuitous. Then there is the highly important matter of roof lines, Mr. Scott's being long, simple and flowing, giving to a structure the harmony and symmetry of a tree with its low and spreading branches close to the ground. His houses are designed with particular reference to their sites, and

thus, for one reason, they possess that strong individuality which is one of the distinguishing marks of his work. So too in the matter of chimneys, for whether they be placed singly or grouped into stacks, they add to the buildings' masses and restful roof lines just that degree of accent which well disposed chimneys should supply, but which often they do not.

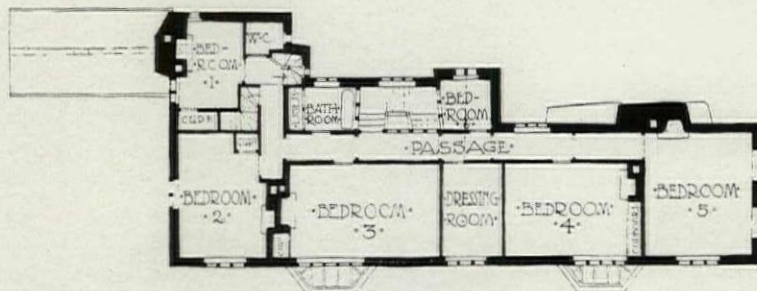
In an old country such as England, which has been growing for centuries and which is made up of many counties, towns and hamlets inhabited by people possessing widely different social traditions and methods of building, there persist of course countless architectural types and uses of materials, and these types and uses cling to and are suited to their localities in a particular way. A house which might be admirable in Yorkshire would be quite out of place if built in Surrey or Sussex, just as in much the same way a northern New England Colonial house would be entirely unsuitable in Florida or California. The Yorkshire cottages with their thick stone walls and heavy stone roofing slates, the beautiful old Cotswold houses, and the rich and mellow houses of the southern counties with their wonderful old tile roofs, mellowed and weathered by the hand of time, all give inspiration to the architect who is also an artist. The roofing tiles used in England are much more successful than most of the tiles



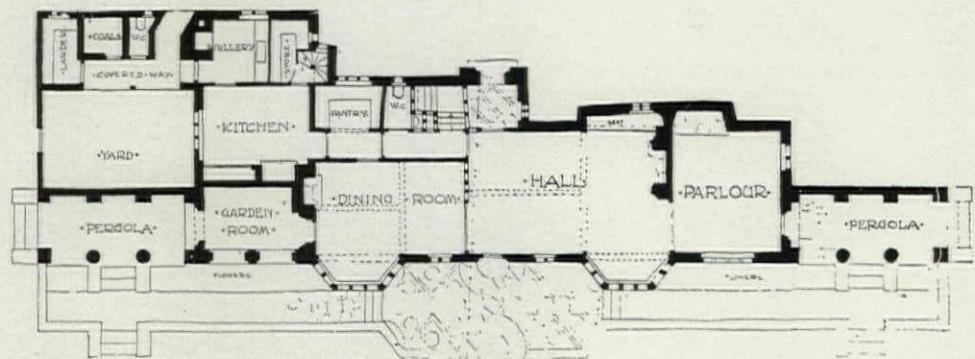
"Burton House," Longburton, Sherborne, Dorset
Baillie Scott, Architect



ENTRANCE FRONT



UPPER FLOOR



GROUND FLOOR

"HARBLEDOWN," CANTERBURY, KENT
BAILLIE SCOTT, ARCHITECT



"The Tudors," Gerrards Cross

Baillie Scott & Beresford, Architects

we find in America. Hard, smooth tiles always give a roof a monotonous and stereotyped appearance.

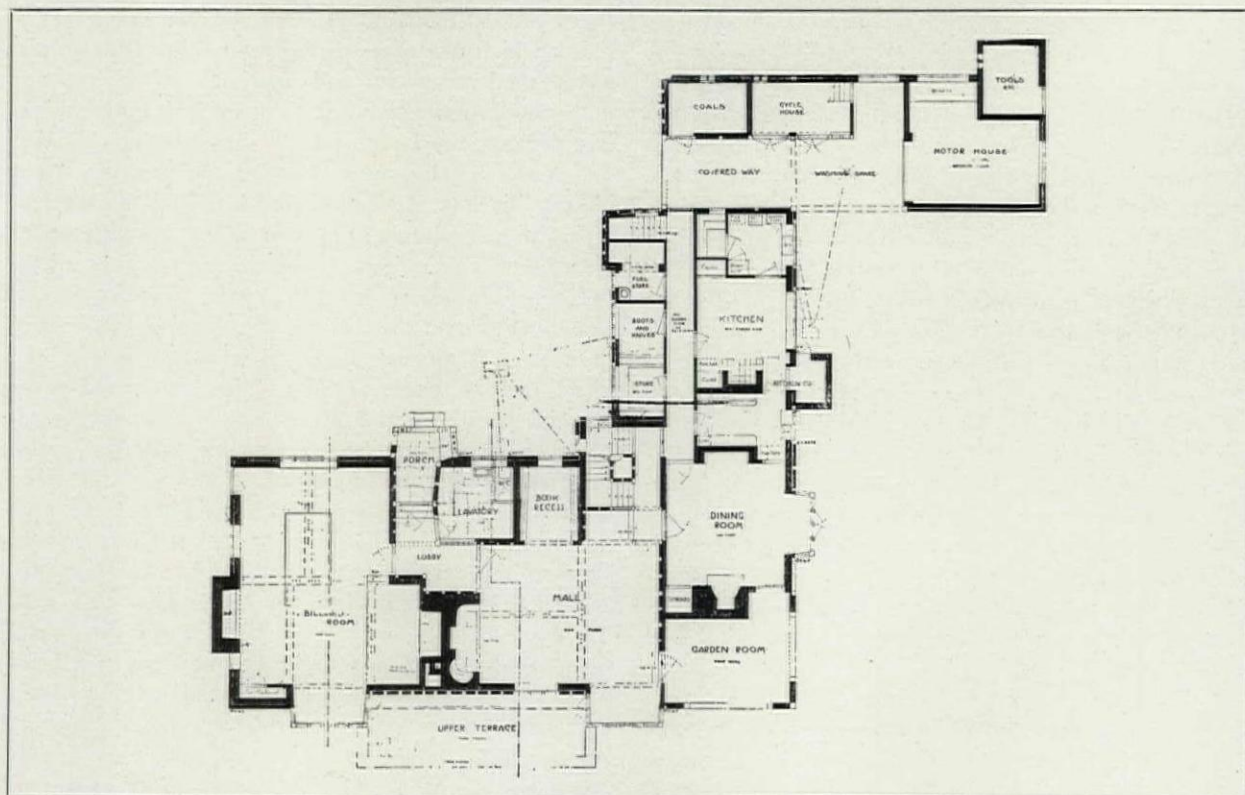
After receiving an invitation from the owner of "The Tudors," Gerrards Cross, Bucks, to visit the place, I was strolling around the district in which the house is built, trying to pick up some worthwhile houses to photograph. I found a good many thorns and only a few roses. Suddenly rounding a corner in a bend in the road there appeared a mass of roof lines which at once suggested Baillie Scott, a house of more than usual distinction, the sort of place one often thinks about and wants to see but seldom finds in actual life. A few moments later the whole entrance front came into view. I felt like a tired traveler arriving at his destination and finding himself suddenly standing in front of a charming old inn, with a feast spread before him. In the late afternoon of a long English summer day, with the gradual approach of twilight and the softening shadows falling over a rolling countryside, there comes an atmosphere of peace, quiet and contentment; I had caught "The Tudors" at its best. In England the early morning, after sunrise, and the fading twilight are the times when the countryside is most appealing. The house, garden, surrounding scenery, and occupants of "The Tudors" all seemed to fit in together and to produce the feeling of a truly old English home with real atmosphere both inside and out, while their personal welcome made me feel that

there still exist in England that cordiality and friendliness which one often feels lacking nowadays under more modern ways and methods of living and thinking, perhaps more particularly since the World War.

Surrounded by much picturesque country, "The Tudors" is some 18 miles from London,—by express train 25 minutes is the time from Paddington to Gerrards Cross. Two miles away is Old Jordan's Meeting House, a delightful spot, well known to many visitors on this side of the Atlantic, since William Penn is buried there. The entrance porch of "The Tudors" reminds one of some of the old buildings in the southern counties of England, where we see those wonderful old bits of building that make our flesh creep when we think of most of the modern so-called "half-timber effects." There is only one way in which half-timber construction can be successfully carried out, and that is in the good old fashioned European way,—by using plenty of solid timbers and lots of hand labor. Pieces of wood spiked onto a wall, especially on the face of a brick wall, are at best only a fake. An illustration of the entrance porch is shown here, enlarged from a small photograph. The porch is fashioned out of old English oak, of a beautiful color and texture, all hand wrought by craftsmen in the village shop adjoining Old Jordan's. At the time this house was built, there were in the shop where the woodwork



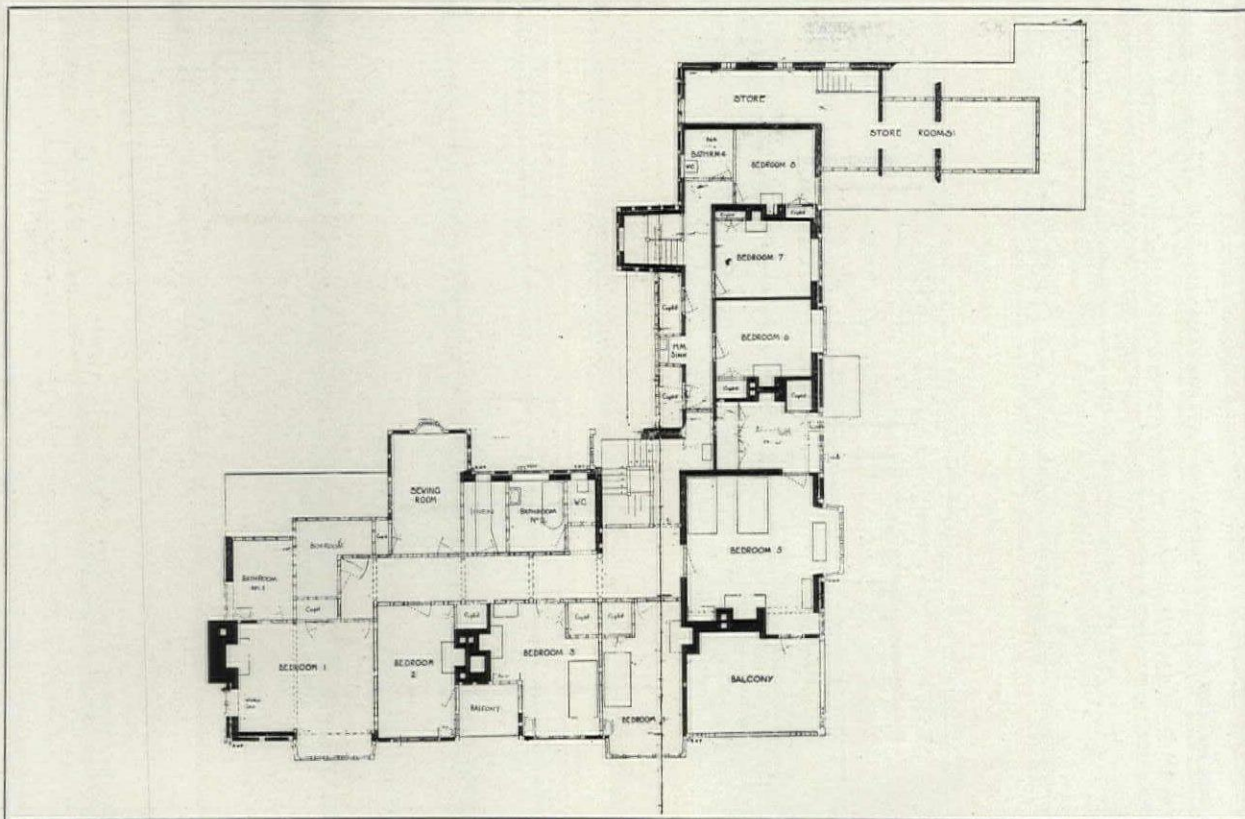
MR. SCOTT'S HOUSE, "OCKHAMS," EDENBRIDGE, KENT
BAILLIE SCOTT & BERESFORD, ARCHITECTS



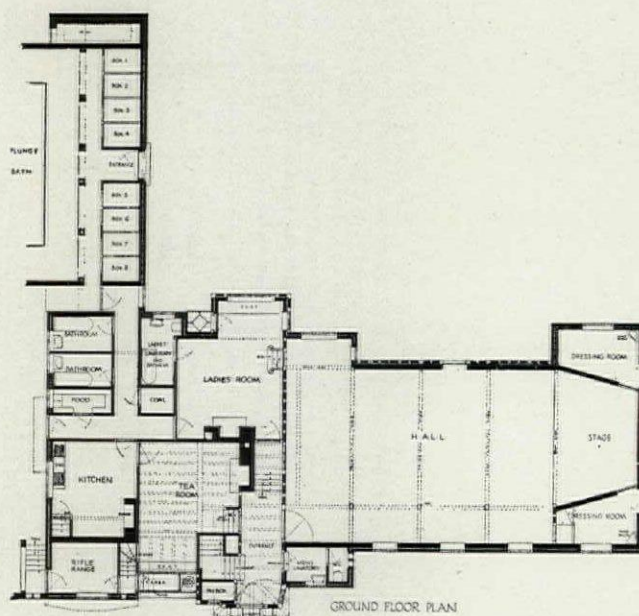
GROUND FLOOR
"THE TUDORS," GERRARDS CROSS
BAILLIE SCOTT & BERESFORD, ARCHITECTS



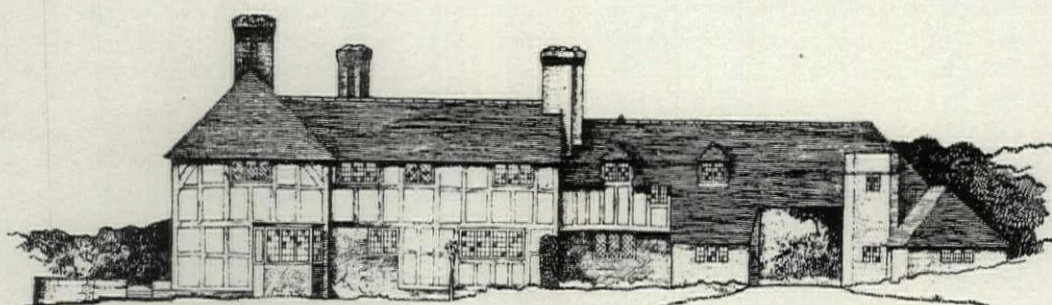
DINING ROOM IN MR. SCOTT'S HOUSE, "OCKHAMS," EDENBRIDGE, KENT
BAILLIE SCOTT & BERESFORD, ARCHITECTS



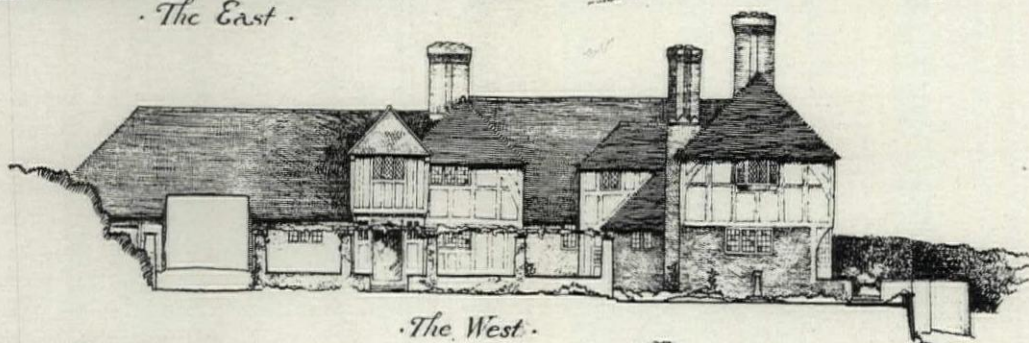
UPPER FLOOR
"THE TUDORS," GERRARDS CROSS
BAILLIE SCOTT & BERESFORD, ARCHITECTS



ELEVATIONS AND PLAN FOR A VILLAGE CLUB, IWERNE MINSTER
BAILLIE SCOTT, ARCHITECT

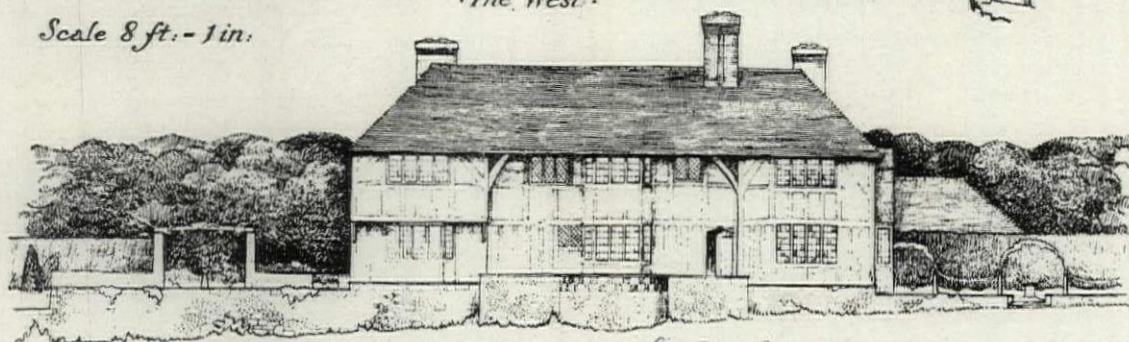


. The East .



The West.

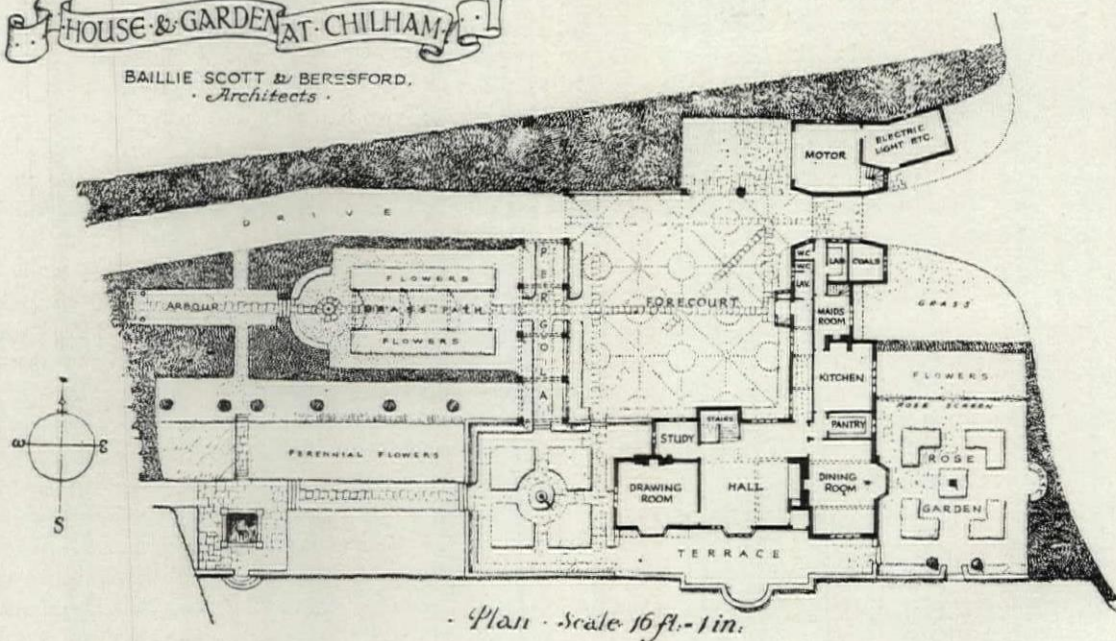
Scale 8 ft. = 1 in.



The South



BAILLIE SCOTT & BERESFORD,
Architects.



• Plan • Scale 16 ft. = 1 in.

ELEVATIONS AND PLAN OF A COUNTRY HOUSE AT CHILHAM
BAILLIE SCOTT & BERESFORD, ARCHITECTS

was executed some of the old school type of craftsmen, men accustomed to the use of tools now going out of fashion since the introduction of standardized millwork. This type of man is rapidly dying out, and in most places he is dead already. The entrance to "The Tudors" has the appearance of age, and the gable does not look in any way mechanical. Almost all new houses have a painfully raw look; they remind one of the man who is just about to be married, uncomfortable in his usually stiff and formal new clothes. Defects of this sort can only be toned down by the hand of time and by the work of nature; to be successful, construction of this kind must be wrought by skilled hands or it will only look odd. It is merely due to the difference in handling by the artist who knows and the man who *thinks* he knows. Baillie Scott has not relied too much on the T-square, and with him the Old World has supplanted the New. Tiles taken from old buildings add very much to the appearance of the roof of the house. Hand-made, sand-faced brick with wide flush mortar joints add to the general effect, and the half-timber work does not have any appearance of having been touched by machine. The spacing of the timbers is in keeping with old traditions,—a most important point in the successful carrying out of this type of work. The master hands of designer and craftsman are apparent everywhere, both outside and in. It is real mortise and tenon construction, with good fat oak pegs in place of the more modern nail and hanger. A solid, substantial, thoroughly livable and modern house, made to last for many a year to come. Most of the walls of the rooms are framed up with solid chunks of oak, with rough plaster in between where there is no wood paneling, all in the old fashioned way, with numerous heavy beams and uprights moulded on the edges and stop-chamfered. The woodwork inside is in oak of a fine color and texture, with heavy oak doors studded with "W. I." nail heads. The doors have old fashioned wooden latches and bars. "The Tudors" gives one the feeling of living in a bygone age,—in the days when machinery was unknown, when people lived more simple lives, and probably got a good deal more out of life than they do now.

"Harbledown," near Canterbury, in Kent, is a charming example of a modern English country house with the walls built in a typical Kentish style. Intermixed with the local Kentish stone, brickwork is introduced in a skillful way, with a touch of half-timber work as is so often found in this part of England. The ground floor plan is typically English, while the dining room and kitchen arrangements are quite in keeping with American practice. The grouping together of the three main rooms with pergolas at either end gives an ideal arrangement from the point of view of entertaining. The bath-room accommodations, while not meeting with American demands, could easily be enlarged. Bed-

room fireplaces add much to the attractiveness of a house of this type and give that feeling of coziness so often found lacking in the modern American residence. As has already been said, chimneys when well designed and skillfully arranged add very much to the appearance of any house, large or small.

Drawn freehand, the elevations of any house are interesting. Mr. Beresford, Baillie Scott's partner, prepared the drawings of their house and garden at Chilham. The elevations are delightfully drawn and give much character to the house. The west elevation is a perfectly charming example of a real country home. The cottages and small houses of Baillie Scott have the same atmosphere and feeling as his larger buildings, and the perspective sketches shown in these pages give the reader a good idea of what he has done to make the small house attractive.

If personal environment and the associations of older times can add anything to the abilities of a designer, surely some of the architects' offices in London ought to help greatly in this respect. Lincoln's Inn and Grey's Inn are about as far removed from the modern new Regent Street as are the older villages and towns of New England from the modern atmosphere of Fifth Avenue. In the former case we are taken back into the days of the stage coach, full of much that was picturesque in more ways than one. It was in Grey's Inn Square that I found Baillie Scott's office, amid surroundings it would be impossible to find in any modern and so-called, up-to-date town.—and some of the modern towns are painfully up to date. Looking out on an old square, with fine lawns and great trees, it seemed an ideal situation in which an artist might work, giving one almost the feeling of working in the country. It seems strange these days to think of men having labored for generations in these old and often historic places, where one would naturally suppose that the atmosphere must affect those who work there now. Some day all these buildings will probably be removed, and in their places we shall have more modern structures, lacking much of the charm of the old in the same way in which the new edition of Regent Street fails utterly to inspire one in the way the former buildings did. On the walls of Baillie Scott's own room are fascinating drawings in color, sketches which one thinks must have "sold" the prospective client again and again. Perspective drawings and small scale elevations, in color, pencil and ink, give one a good idea what can be done in the hands of artists like Baillie Scott and his partner.

It has been possible to illustrate here only a small selection from the large amount of work done by Baillie Scott,—houses built not only in England but in different parts of the world. A facile and original brain has given many charming and imaginative touches to all of Baillie Scott's houses, to be handed down to future generations and treasured by them,—buildings representing the best of present-day work.

THE COMPETITION FOR THE NEW HAVEN CITY HALL

ONE of the most interesting competitions of the past year was that for the New Haven City Hall. Everett V. Meeks, head of the Architectural Department of the Yale School of Fine Arts, who was appointed by the Mayor of New Haven to act as architectural adviser, made all of the arrangements for the competition. In order to give the architects in New Haven an opportunity to compete for this large municipal building and civic auditorium, Mr. Meeks decided to hold preliminary and final competitions. The first competition was open only to architects practicing in New Haven. From this preliminary competition three architects were chosen to be admitted to the final competition, which also included three other well known architectural firms, making six competitors in all. The three New Haven architects selected were Douglas Orr, Harrison Earl Baldwin, and Walter Shiner. With Harrison Earl Baldwin, Paul Philippe Cret, of Philadelphia was associated; and with Walter Shiner, Dennison & Hiron, of New York, were affiliated. The three outside architects invited to compete in the final competition were Egerton Swartwout, Delano & Aldrich, and Zantzinger, Borie & Medary, of Philadelphia. The architects invited by Mr. Meeks to act as the judges of this competition, were Harvey Wiley Corbett and Charles A. Platt, of New York, and William Emerson, Dean of the Architectural School of the Massachusetts Institute of Technology.

This digest of the program, and the final reports of the findings of the judges in the preliminary and final competitions, give an excellent idea of the character and result of this interesting competition. The plot is of irregular shape and level grade. The main frontage, 229 feet long, is on Church Street facing the New Haven Green, which is well covered with large elms. Some 300 feet south, on the same street, and also facing the Green, is the new post office of Tennessee marble with a large 10-column portico. Facing the site and the post office there are two fine old Colonial brick churches on the Green, each with a good sized wooden portico. Facing the Green, to the north are the New Haven Library and the County Court House. The scheme is divided into three units; the first a departmental building on Orange Street, to be built before the other units, containing 600,000 cubic feet. The third is an auditorium on Court Street, with a cubage of 666,666 feet and a seating capacity of 3000. Vehicular access, in addition to that in Court Street was desired. The second, the final complete building, minus units one and three, has a cubage of 1,536,842 feet. This unit contains the aldermanic chamber and two anterooms; the mayor's offices; two city court rooms, civil and criminal; judges' chambers and consultation rooms for each, with prisoners' pen on the criminal side with connection by stairs with the police lockup; probate court and dependencies; city at-

torney, clerk of courts, jury room, stenographers' room, etc., the court room dependencies to be so located that direct access to the court rooms can be had without crossing public thoroughfares; quarters, 26,750 square feet, for the police department, with access by driveway to the street; space for the health department, 19,000 square feet, on or near the ground floor, with separate entrance facilities; three hearing rooms and anterooms, 7,500 square feet each; rooms for the board of education, fire department, etc.

Drawings required:

Three elevations at 1/16 scale.

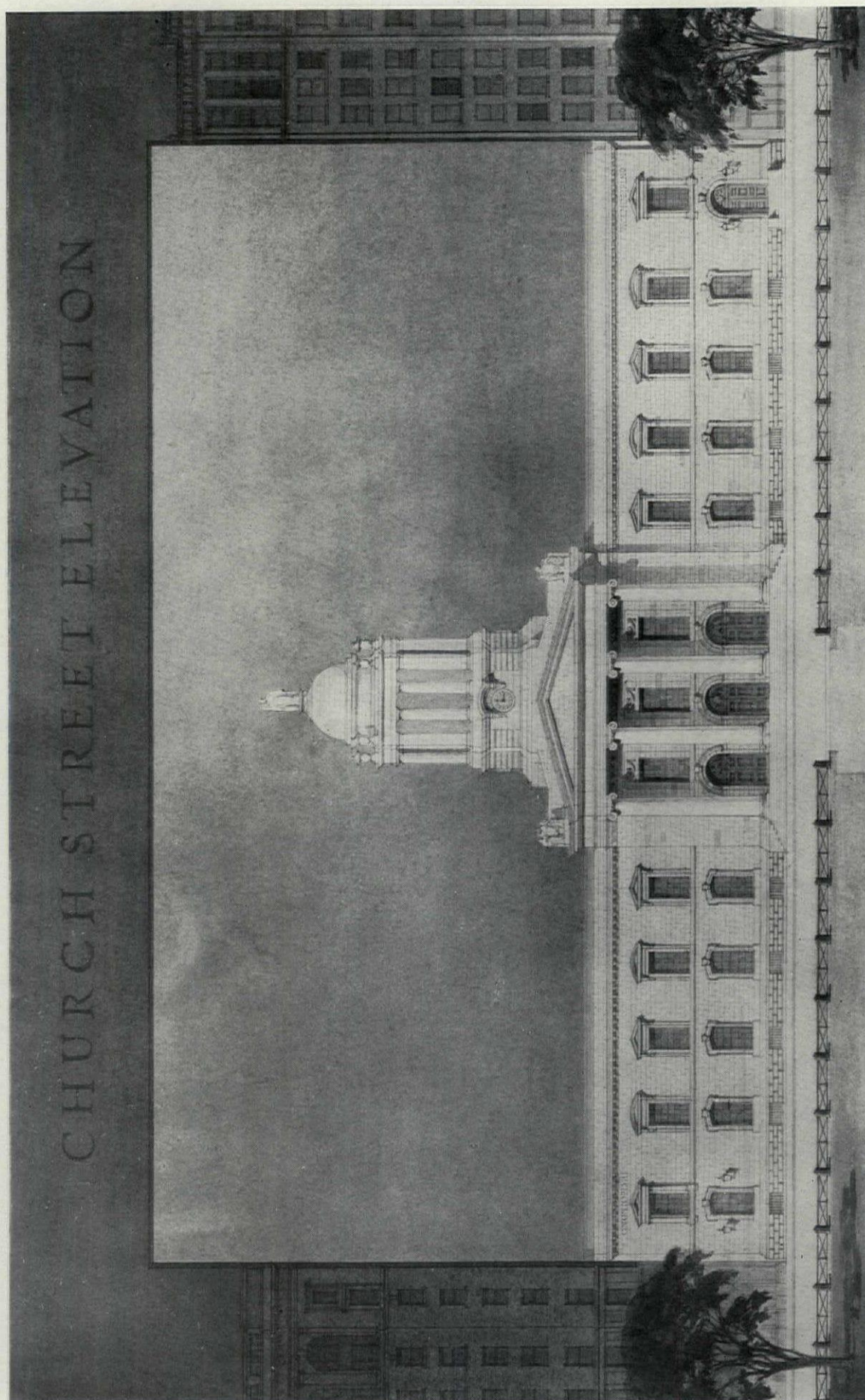
Two plans, main and second floor, of entire scheme at 1/32.

Complete plans of first unit at 1/16.

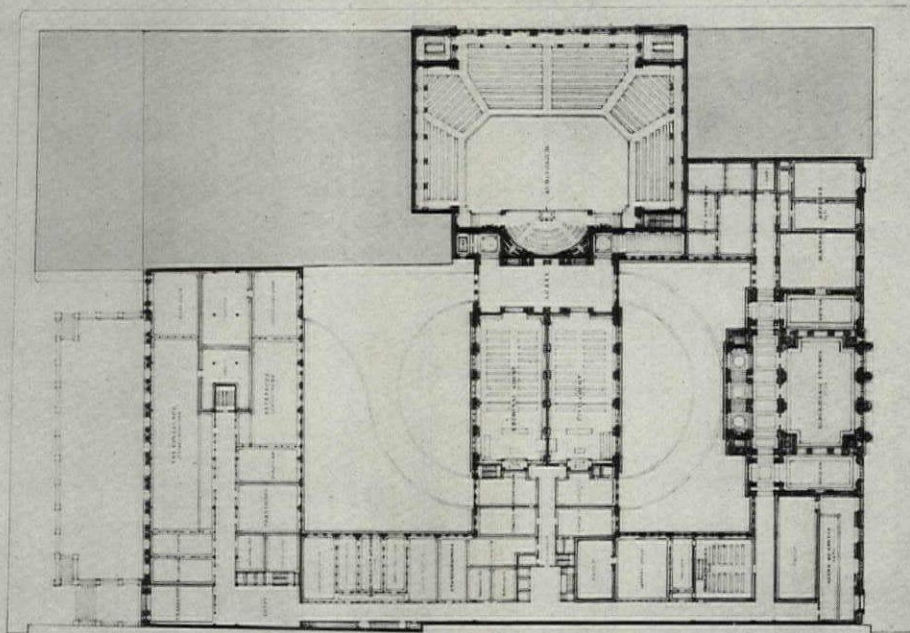
Two sections at 1/16.

First Report of Competition. "The Architectural Jury of Selection for the Competition of the Proposed City Hall for New Haven met on April 19, 1928, and made first a thorough examination of the site, studying the relation of the plot to the Green and to the adjacent streets. The Jury then began a careful study and comparison of the designs submitted, starting by assembling all the general plans, analyzing each with reference to such considerations as light and circulation, distribution of departments, etc. As a result of this study a preliminary rating was determined. Then the facades and typical floor plan and section of each competitor were brought back and compared with his general plan layout. All the plans showed a high grade of excellence in scheme and presentation, but there were features in each which afforded a decided basis of comparison; and a final rating, after exhaustive study from all angles, was unanimously agreed upon by the Jury. From this rating, the Jury selected the makers of three designs in the order rated, as those competitors to be chosen to enter the second and final stage of the competition."

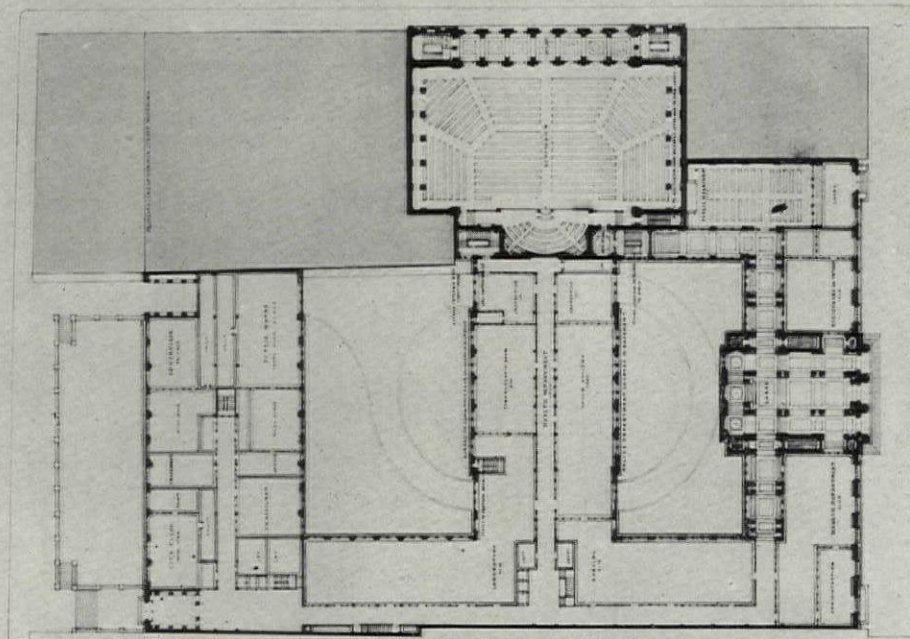
Final Report of Competition. "As a result of study, one plan seemed to comply more fully than the others with all the essential factors of the problem and was given a preliminary rating, but before final decision the facades and typical floor plan and section of each competitor were brought back and compared with his general plan layout. After continued study of all the plans, it was finally decided unanimously that the Jury recommend to the New Haven City Hall Building Commission that the design marked No. 1, which was submitted by Egerton Swartwout of New York, be the premiated design." The efficient and eminently satisfactory manner in which this competition was handled by Mr. Meeks, of the Yale Architectural School, emphasizes anew the advisability of placing charge of any important competition in the hands of an experienced architect who shall act as architectural adviser.



WINNING DESIGN IN THE NEW HAVEN CITY HALL COMPETITION
EGERTON SWARTWOUT, ARCHITECT

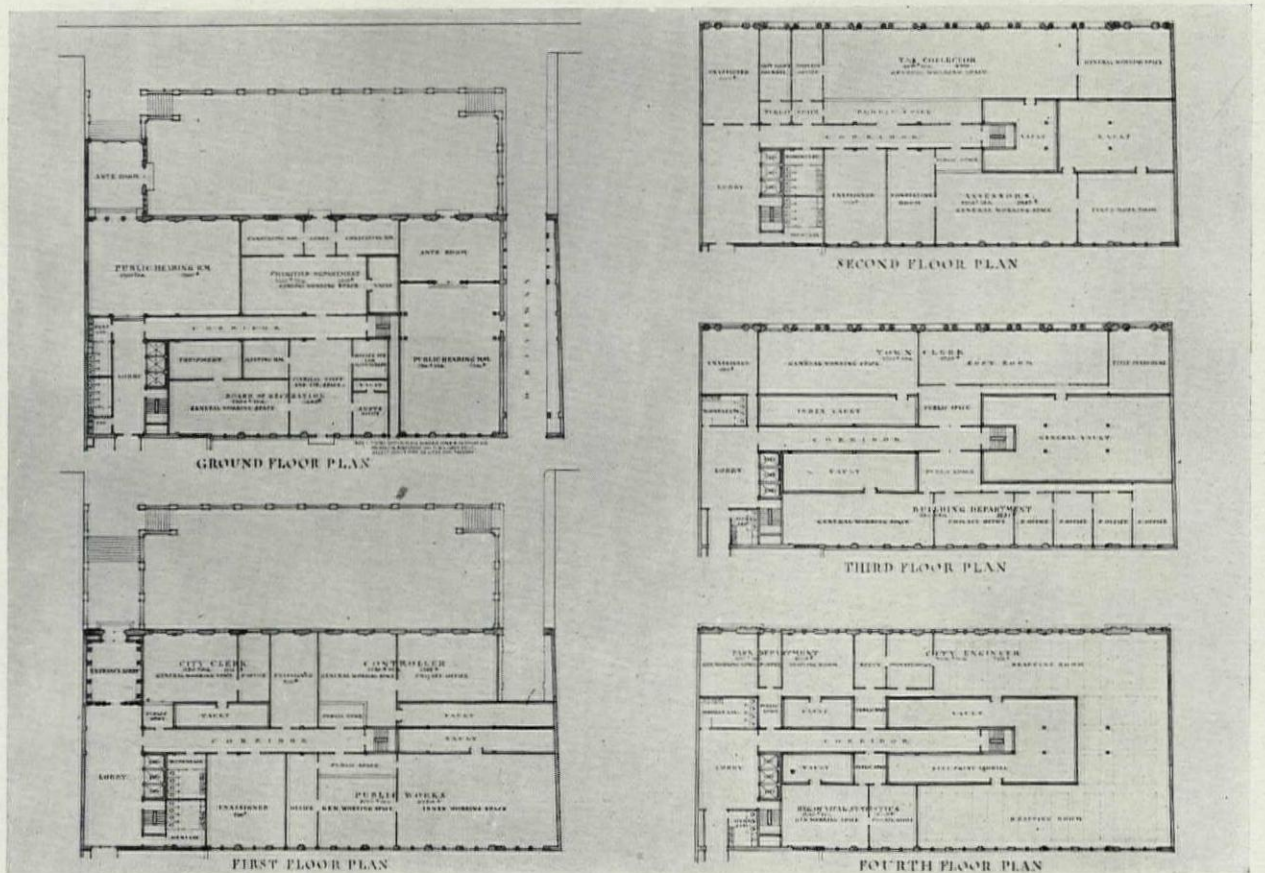
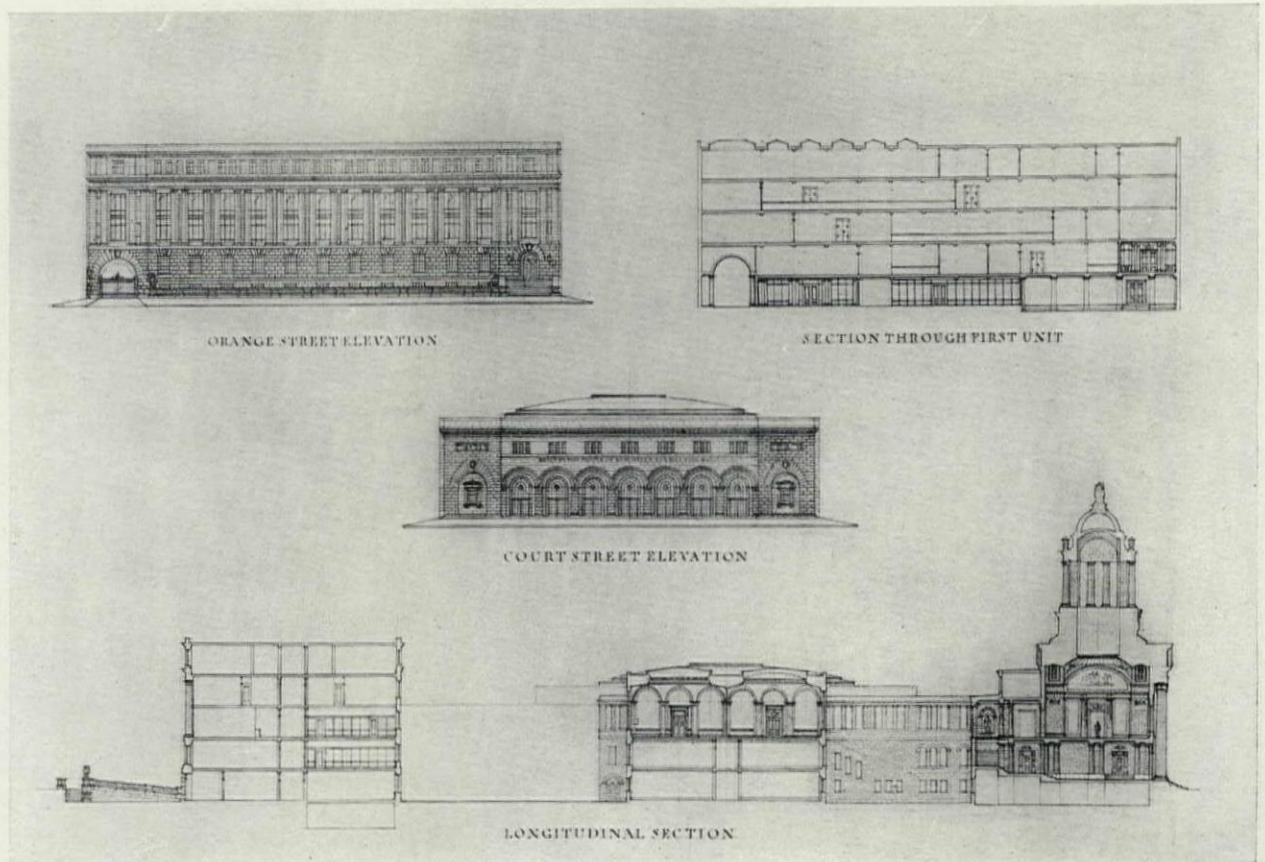


SECOND FLOOR PLAN

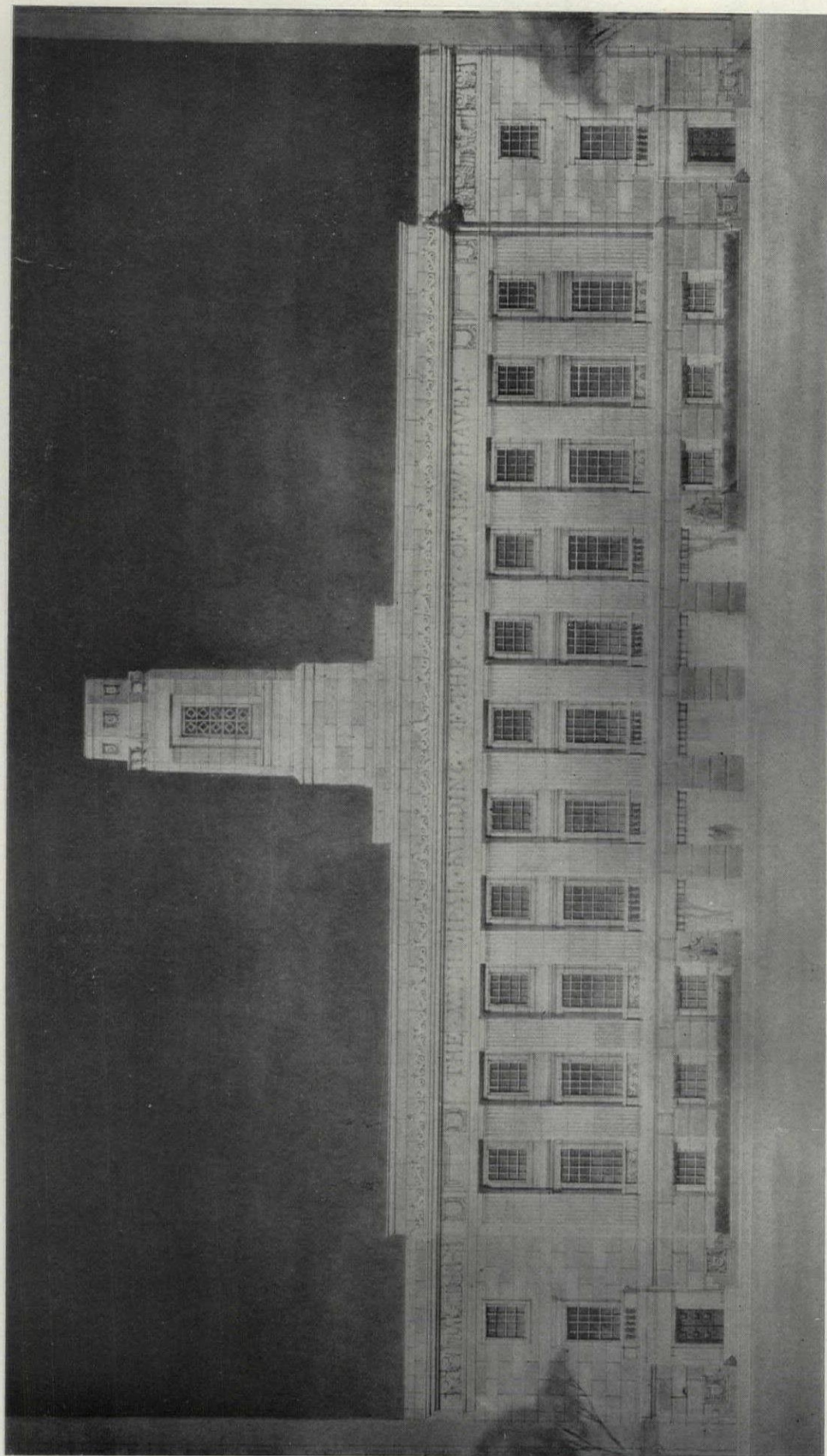


MAIN FLOOR PLAN

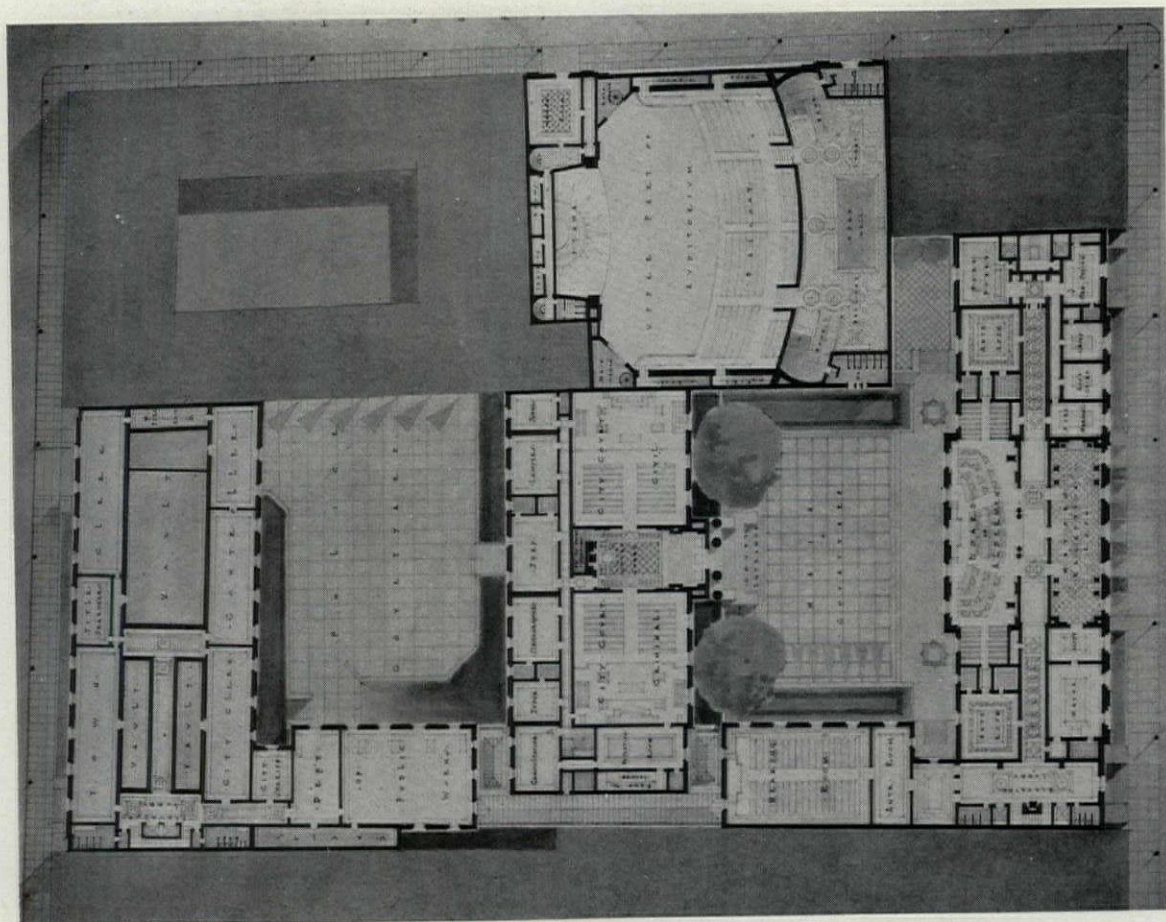
THE WINNING DESIGN IN THE NEW HAVEN CITY HALL COMPETITION
EGERTON SWARTWOUT, ARCHITECT



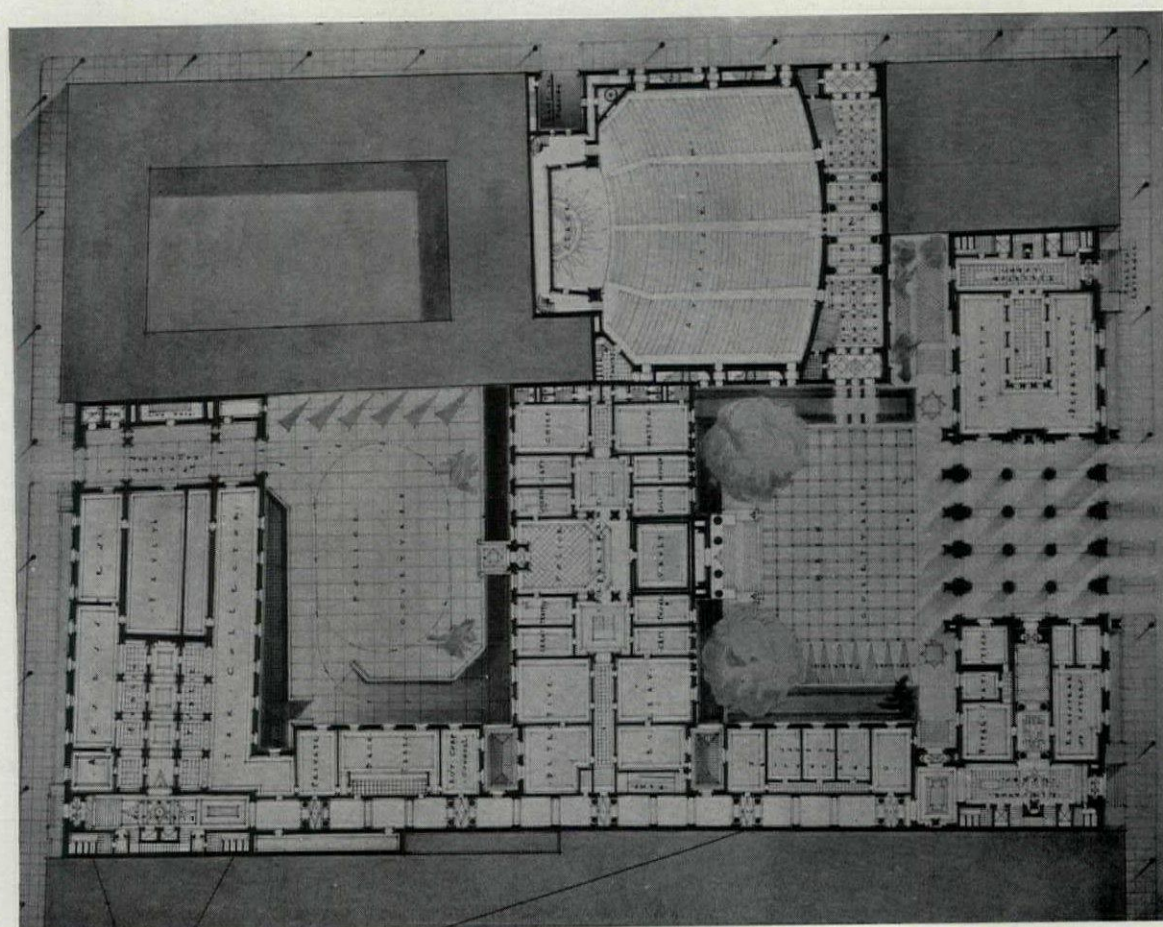
PLANS AND ELEVATIONS OF THE WINNING DESIGN, NEW HAVEN CITY HALL COMPETITION



CHURCH STREET ELEVATION, NEW HAVEN CITY HALL COMPETITION
DOUGLAS ORR, ARCHITECT

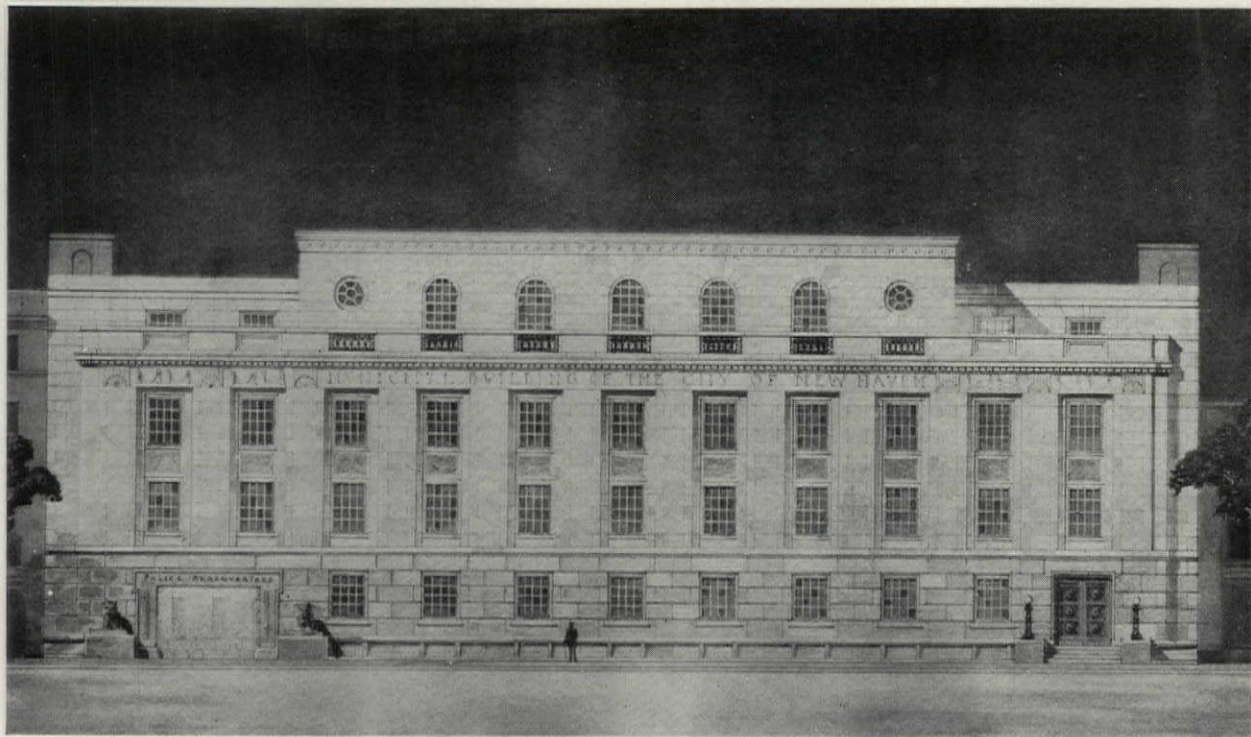


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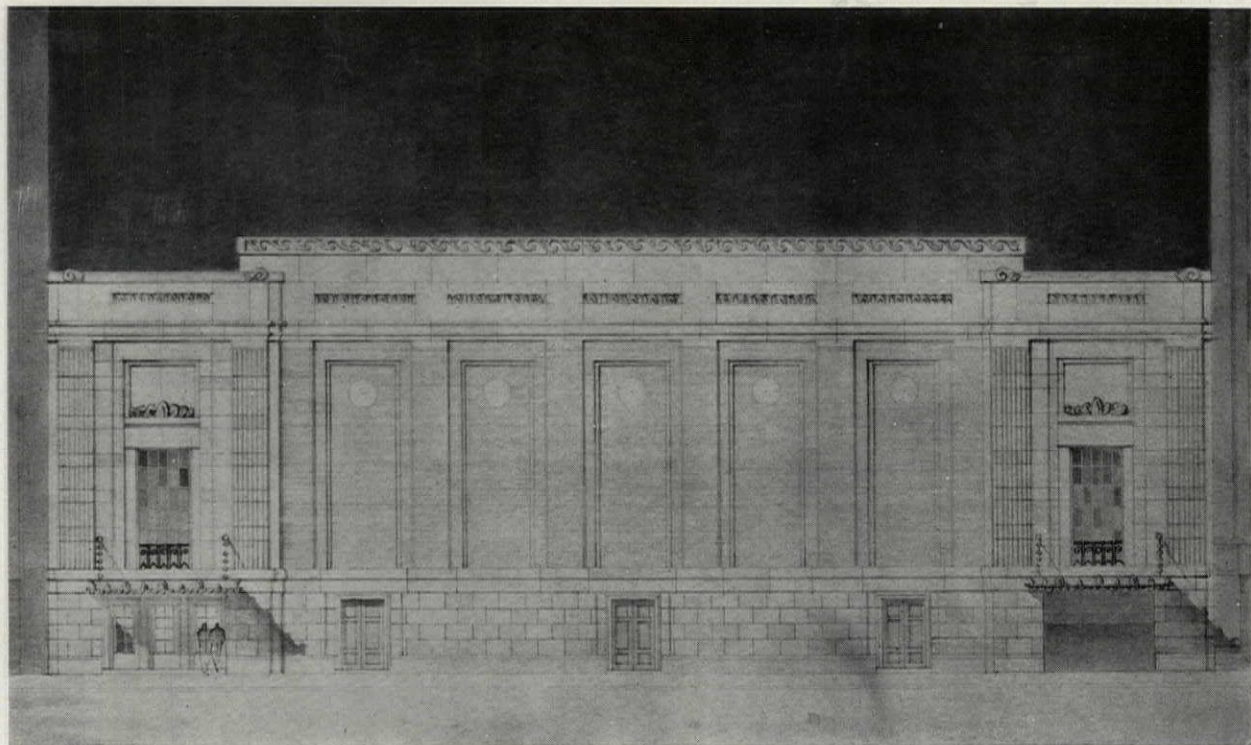


FIRST FLOOR

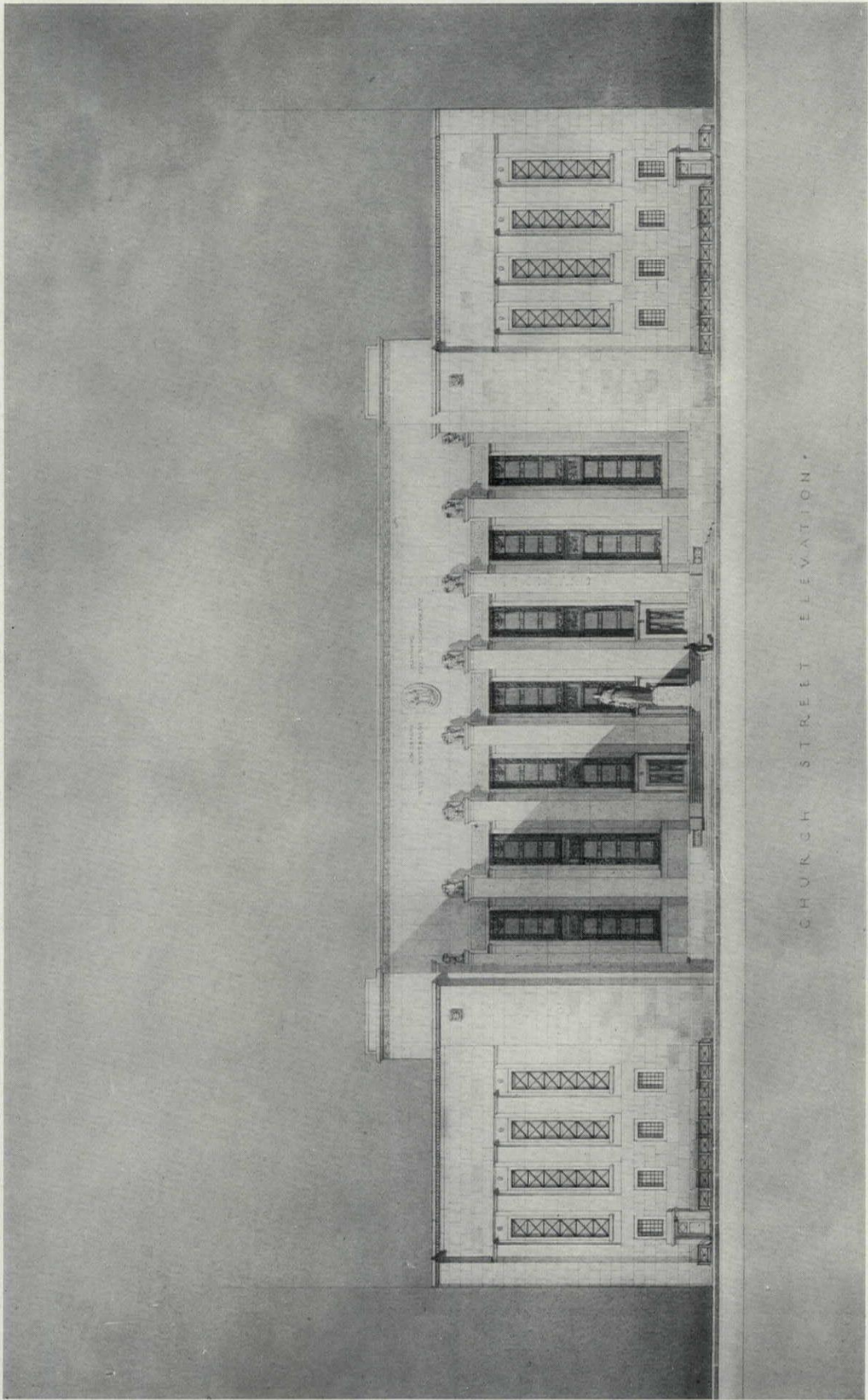
NEW HAVEN CITY HALL COMPETITION
DOUGLAS ORR, ARCHITECT



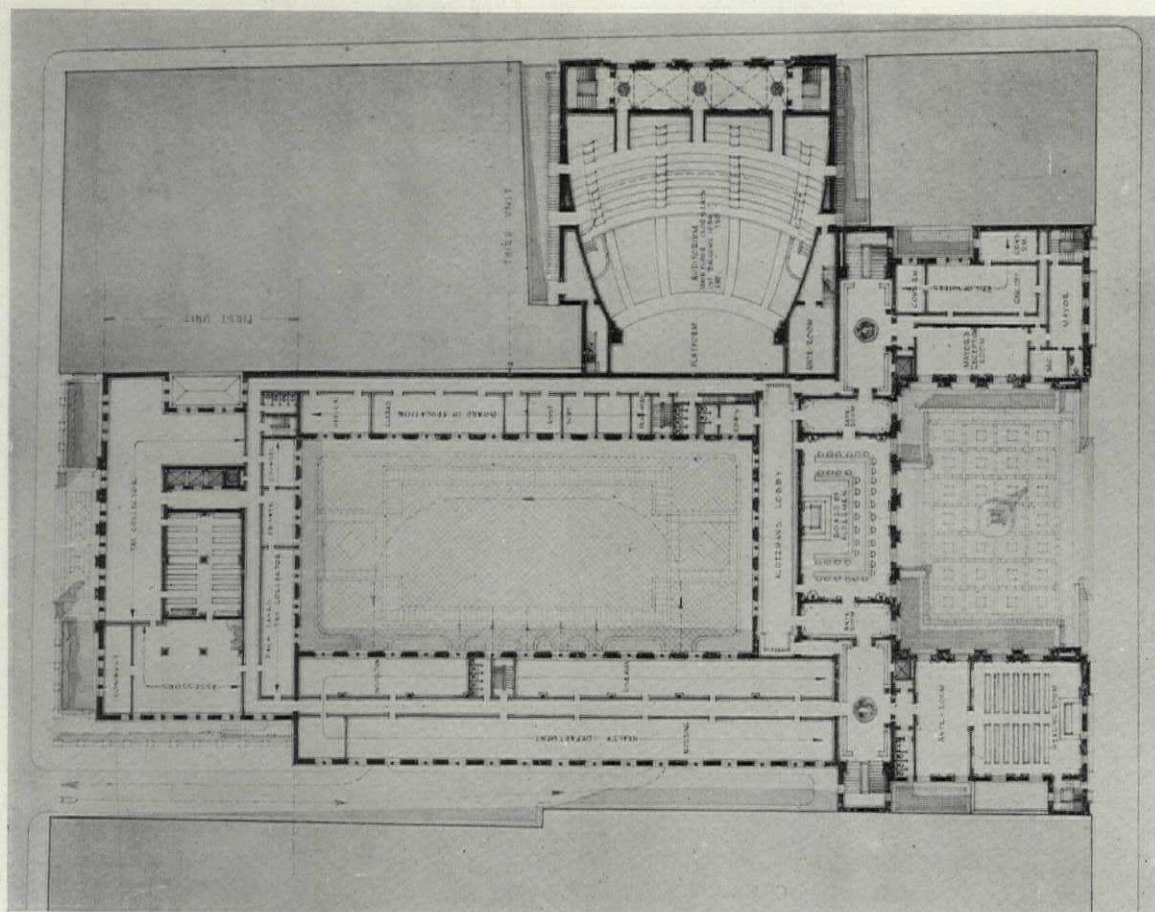
ORANGE STREET ELEVATION



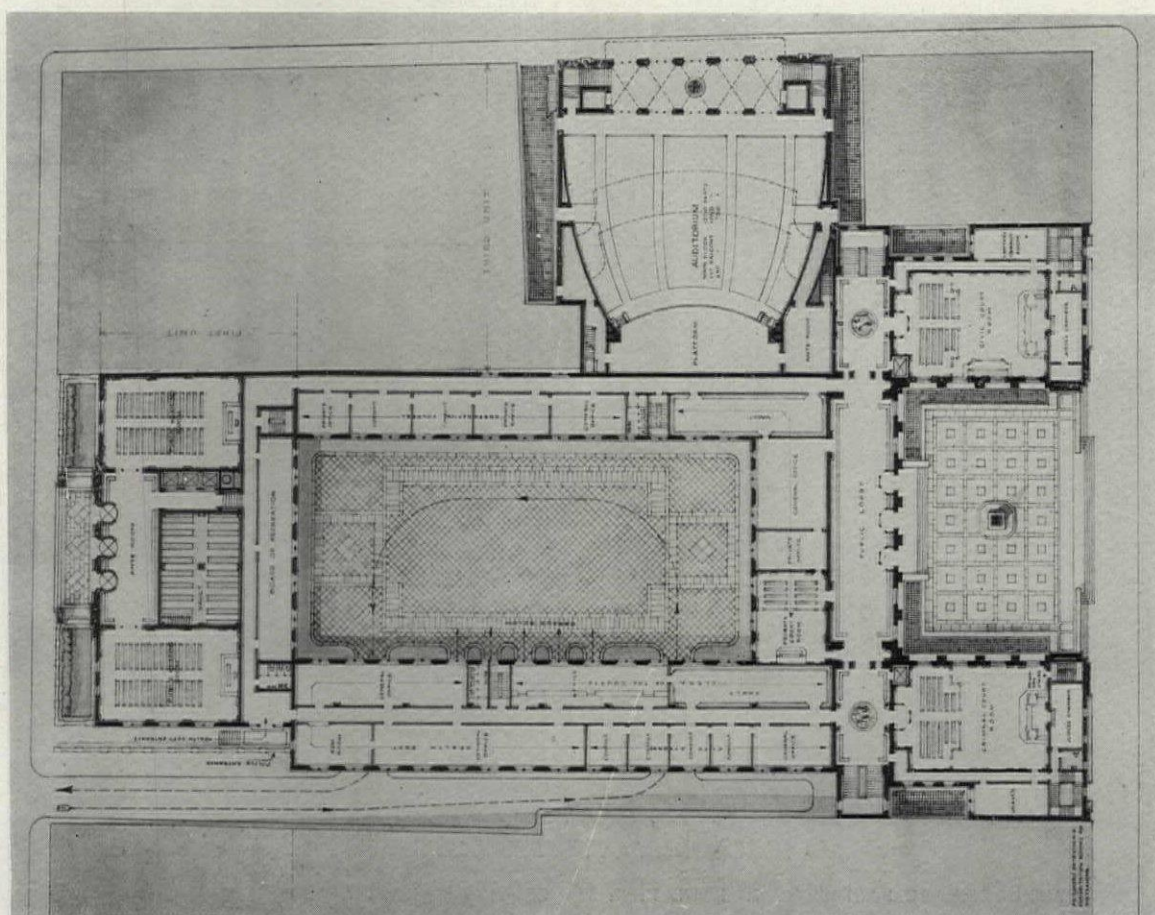
NEW HAVEN CITY HALL COMPETITION
DOUGLAS ORR, ARCHITECT



CHURCH STREET ELEVATION, NEW HAVEN CITY HALL, COMPETITION
HARRISON EARL BALDWIN AND PAUL PHILIPPE CRET, ASSOCIATED, ARCHITECTS



SECOND FLOOR



FIRST FLOOR

NEW HAVEN CITY HALL COMPETITION

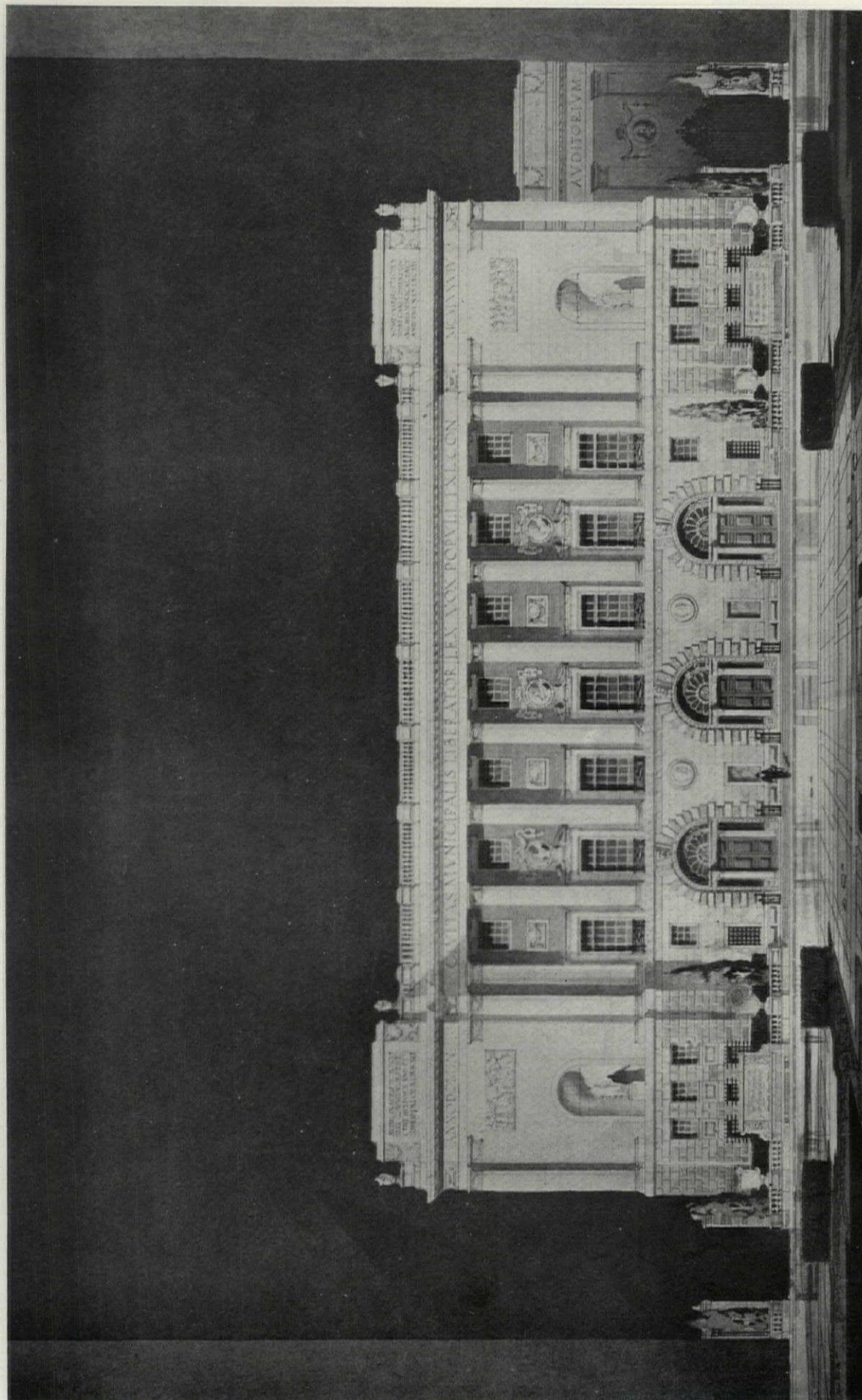
HARRISON EARL BALDWIN AND PAUL PHILIPPE CRET, ASSOCIATED ARCHITECTS



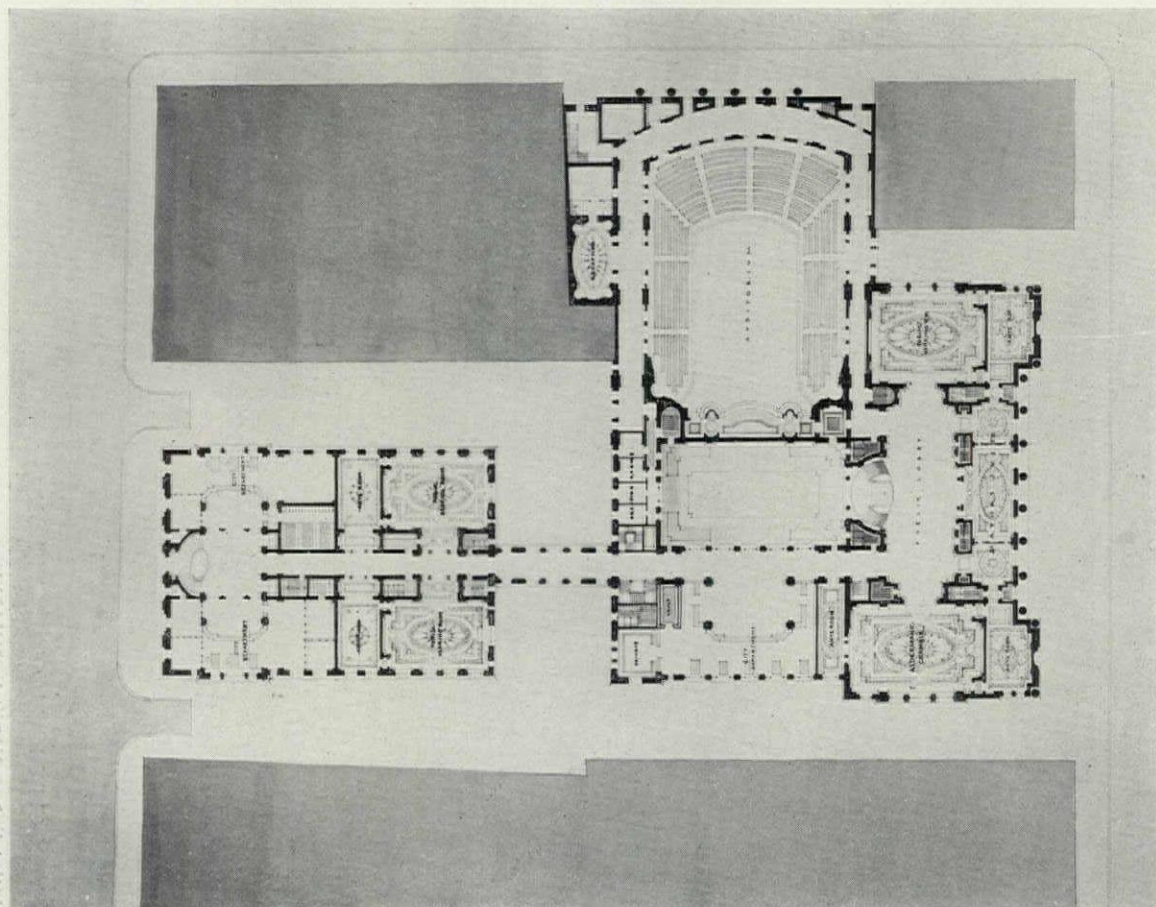
COURT STREET ELEVATION



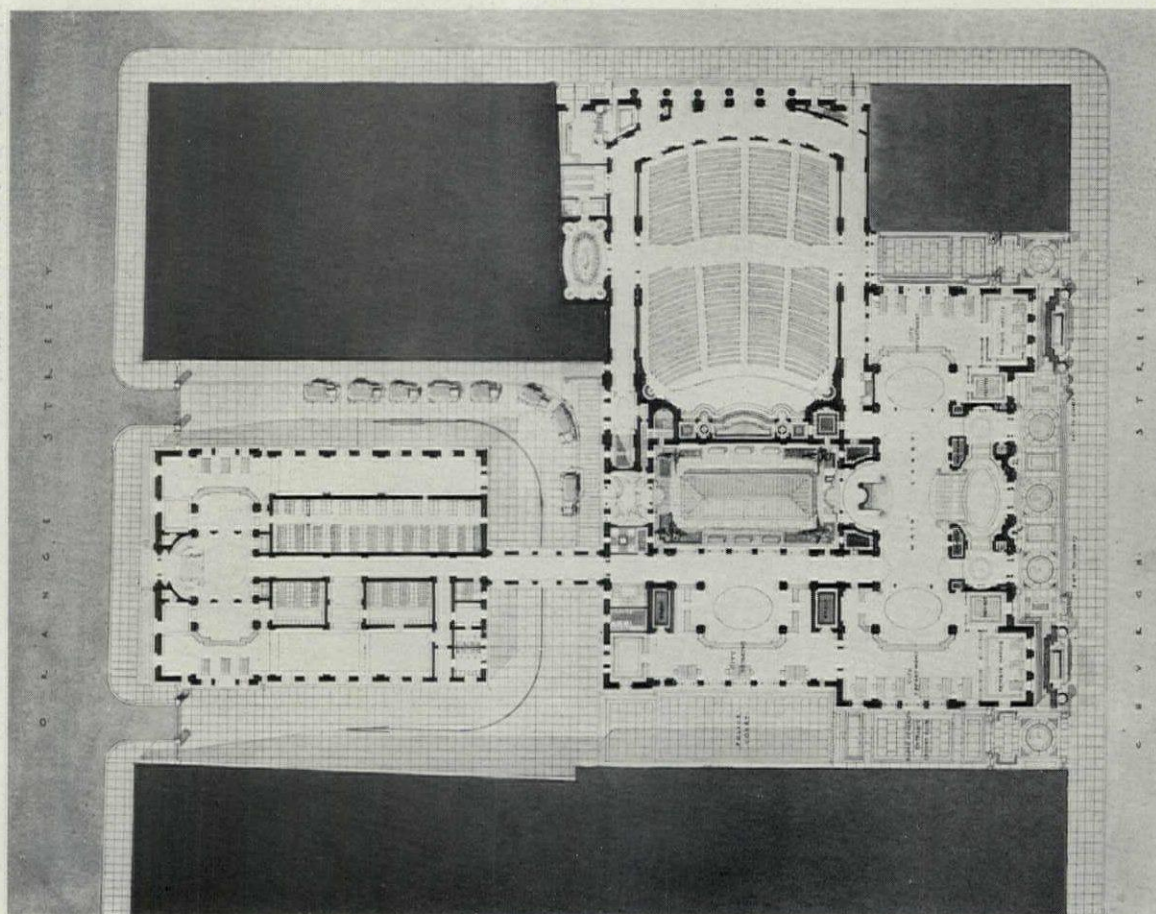
NEW HAVEN CITY HALL COMPETITION
HARRISON EARL BALDWIN AND PAUL PHILIPPE CRET, ASSOCIATED, ARCHITECTS



CHURCH STREET ELEVATION, NEW HAVEN CITY HALL COMPETITION
WALTER SHINER AND DENNISON & HIRONS, ASSOCIATED, ARCHITECTS



SECOND FLOOR

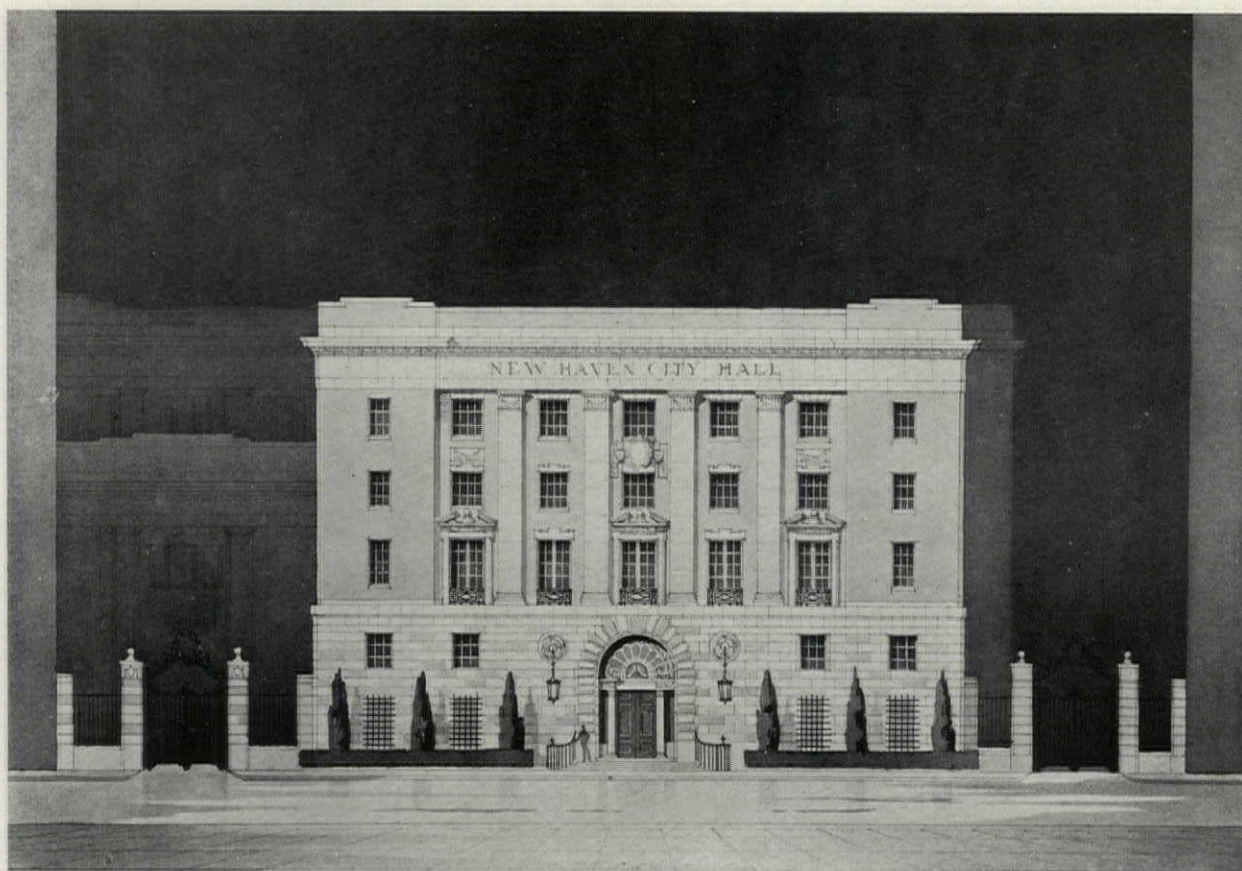


MAIN FLOOR

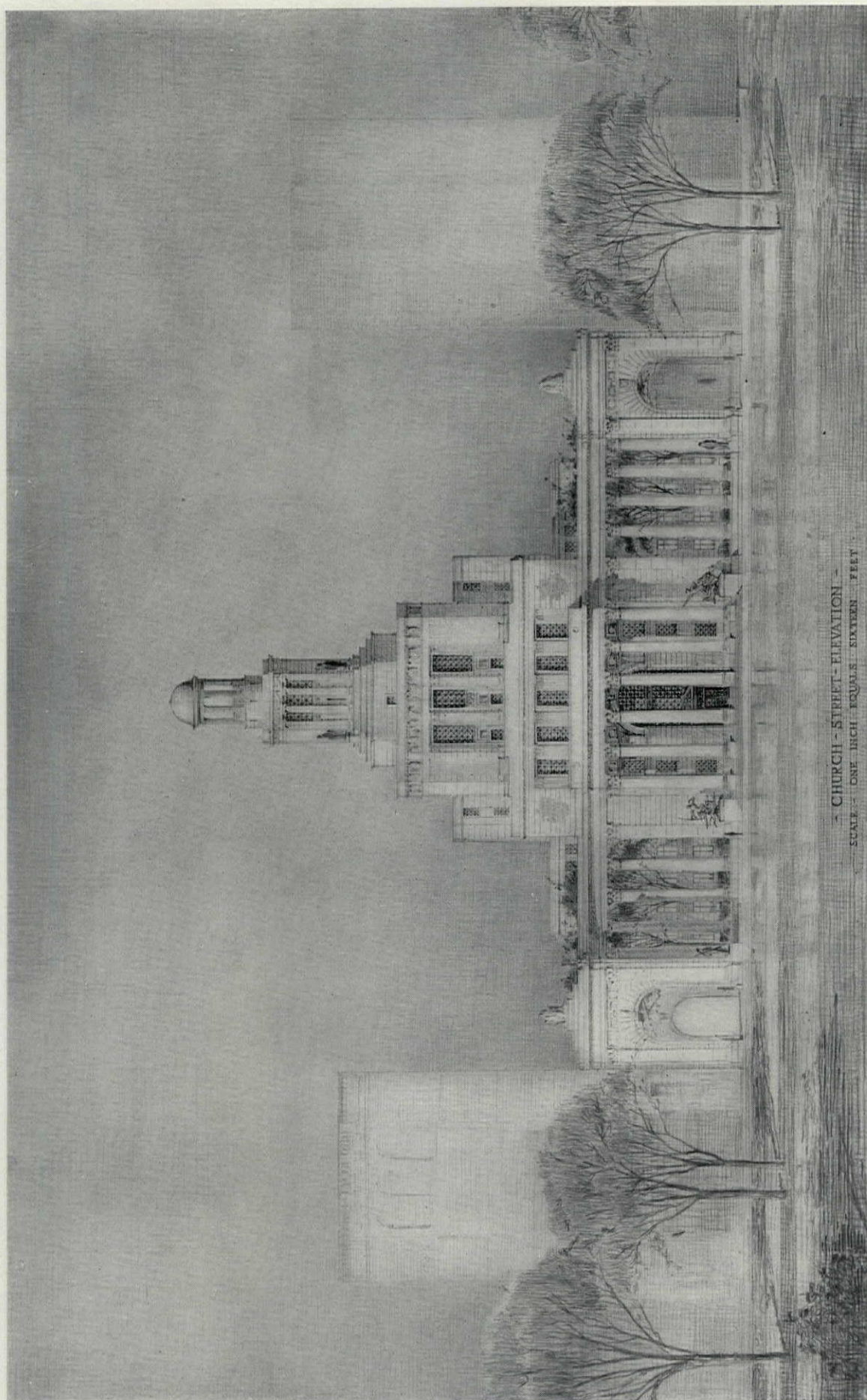
NEW HAVEN CITY HALL COMPETITION
WALTER SHINER AND DENNISON & HIRONS, ASSOCIATED, ARCHITECTS



ELEVATION OF AUDITORIUM, ON COURT STREET

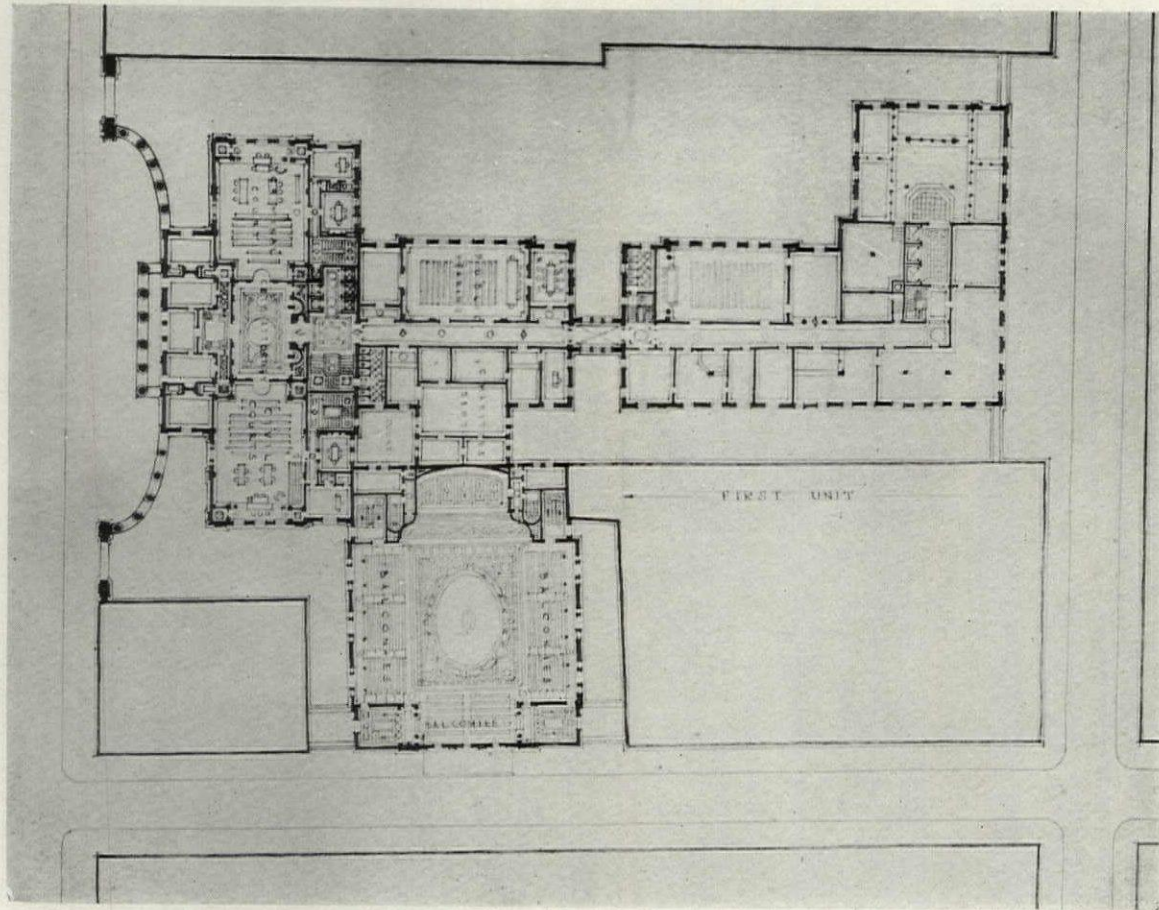


ELEVATION OF FIRST UNIT, ON ORANGE STREET
 NEW HAVEN CITY HALL COMPETITION
 WALTER SHINER AND DENNISON & HIRONS, ASSOCIATED, ARCHITECTS

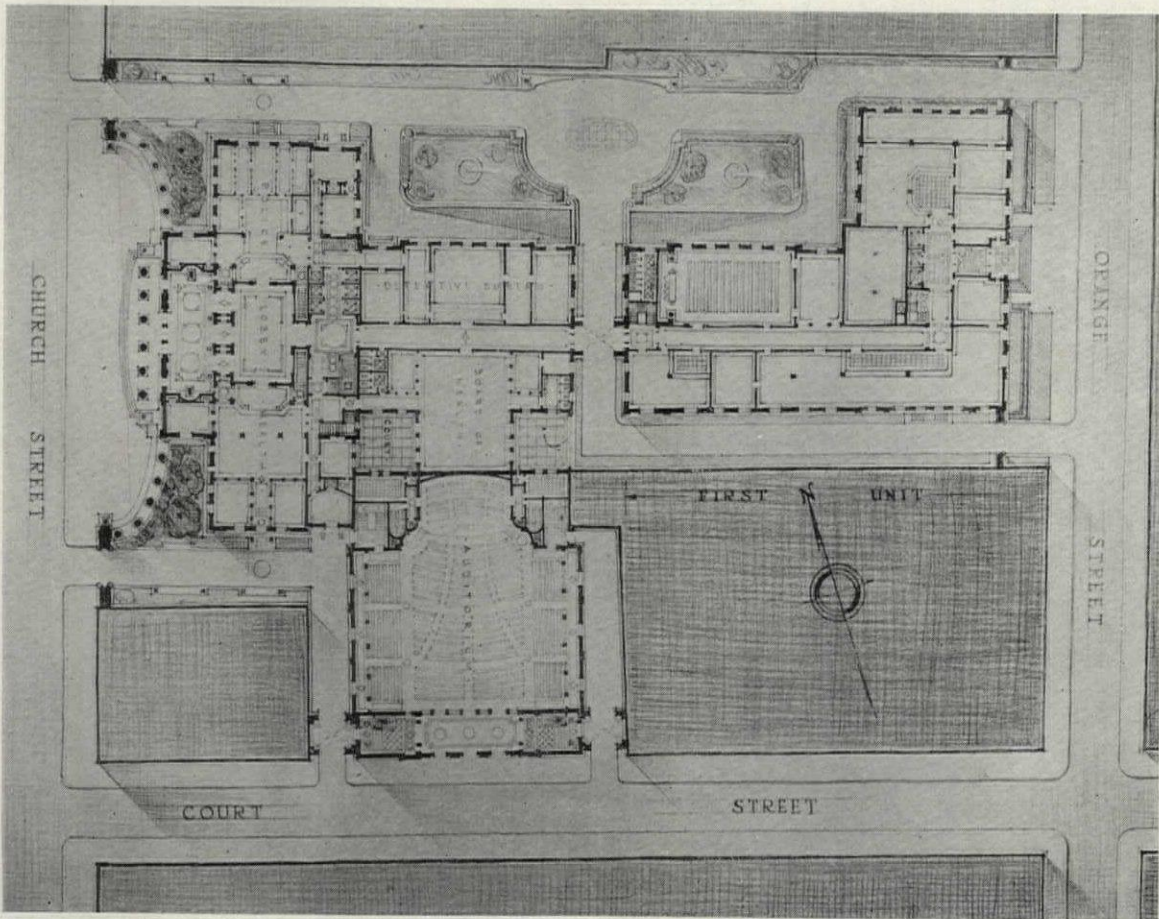


CHURCH - STREET ELEVATION -
SCALE - ONE INCH EQUALS SIXTEEN FEET

NEW HAVEN CITY HALL COMPETITION
ZANTZINGER, BORIE & MEDARY, ARCHITECTS

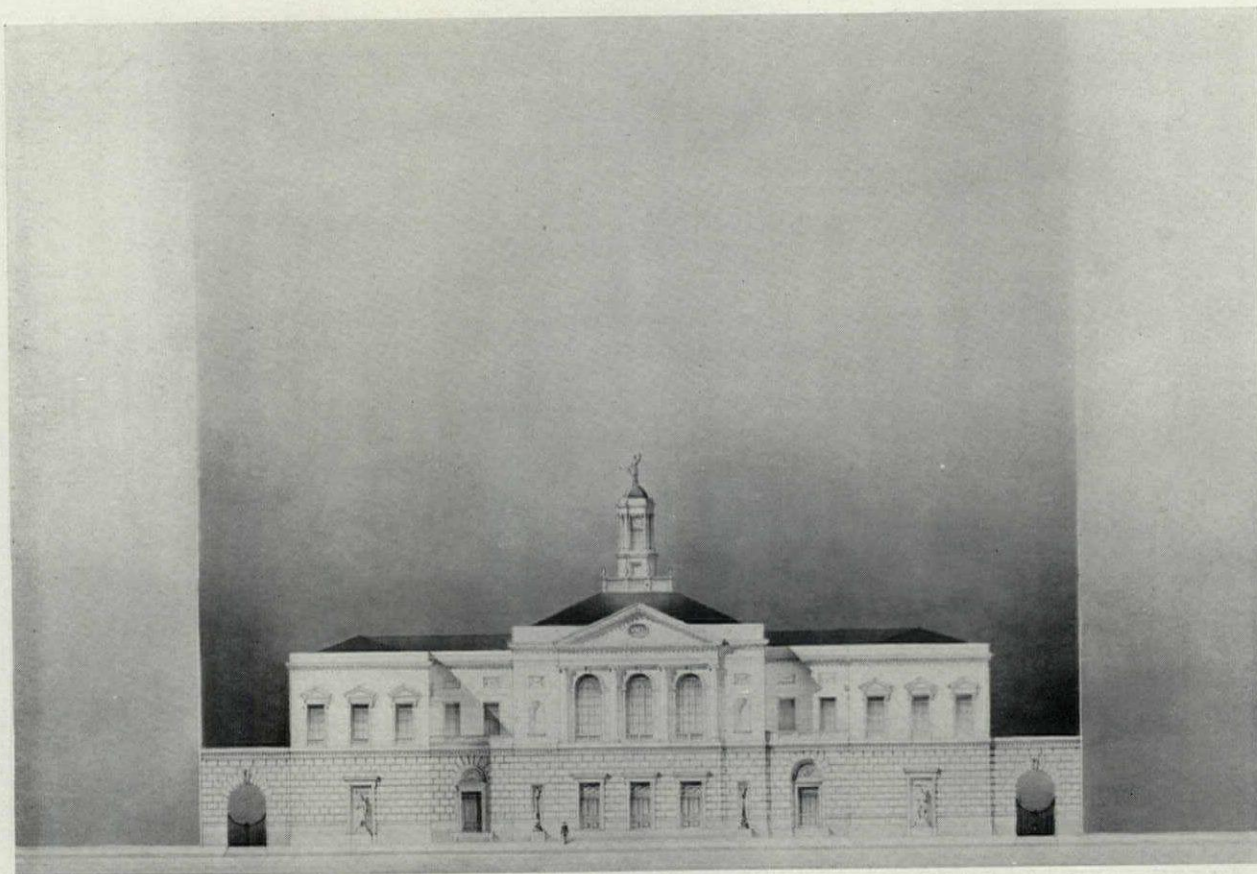


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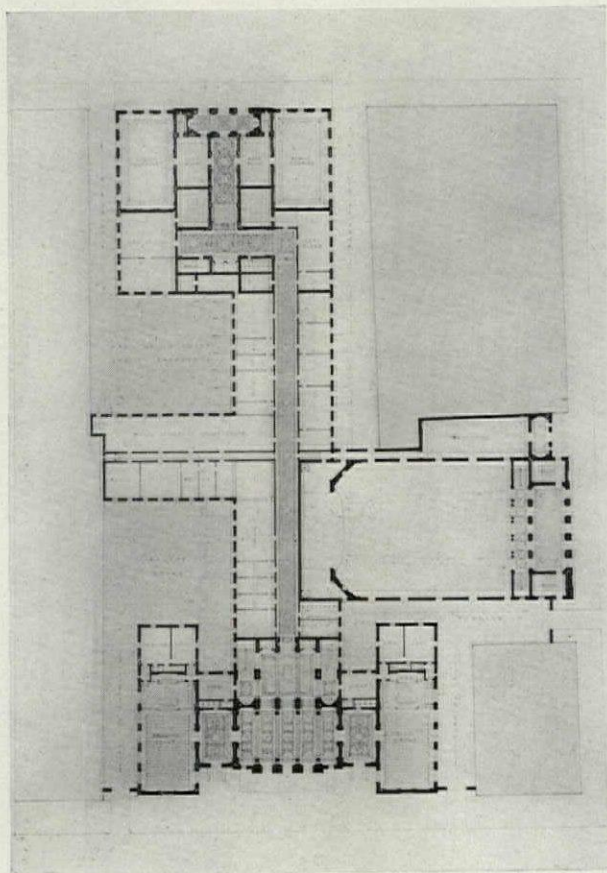


FIRST FLOOR

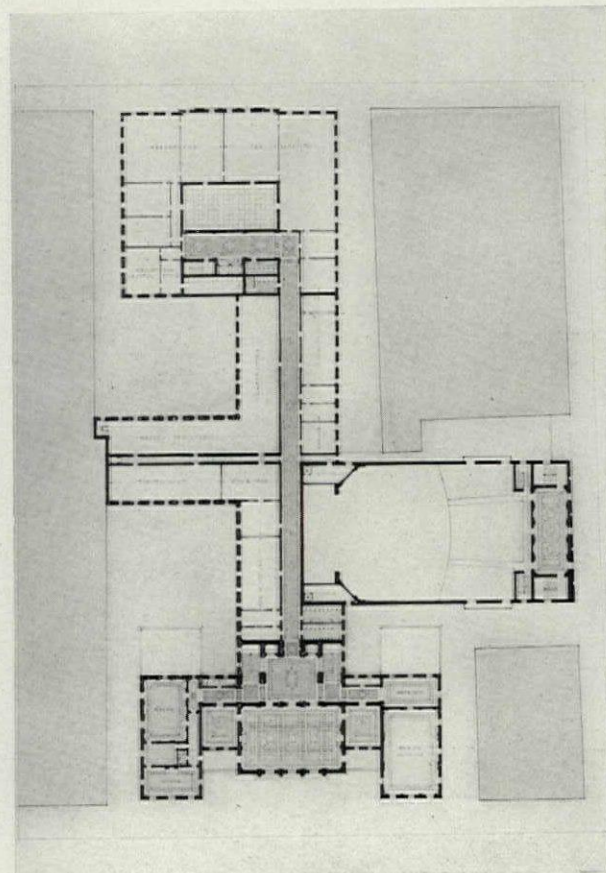
NEW HAVEN CITY HALL COMPETITION
ZANTZINGER, BORIE & MEDARY, ARCHITECTS



CHURCH STREET ELEVATION



FIRST FLOOR



SECOND FLOOR

NEW HAVEN CITY HALL COMPETITION
 DELANO & ALDRICH, ARCHITECTS

A REGENCY HOUSE AT FARNHURST-BY-NEW CASTLE, DELAWARE

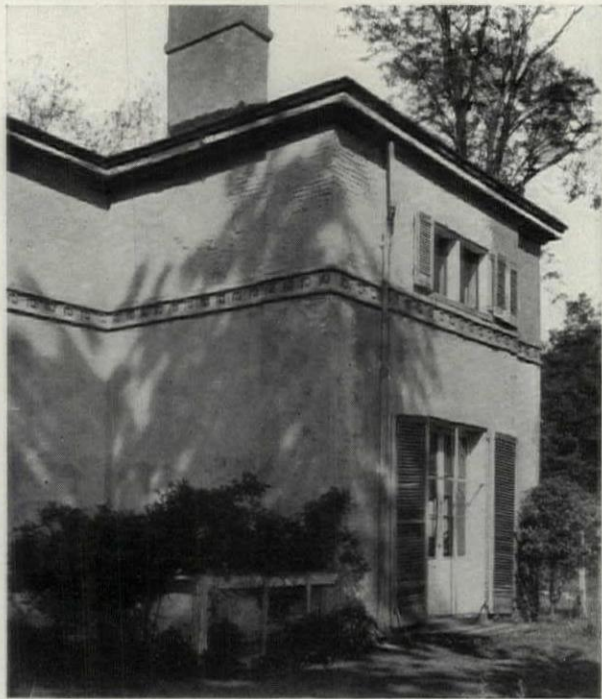
TEXT BY HAROLD D. EBERLEIN

MEASURED DRAWINGS BY W. POPE BARNEY

THE little Regency house at Farnhurst-by-New Castle, in Delaware, shown in the accompanying half-tone illustrations and plates of measured drawings, is one of those documents of American architectural history that deserve to be cherished and preserved with the utmost care and studied with close attention. It was built between 1815 and 1820, and is as perfect an expression of small domestic architecture in the Regency manner as anything to be found in America. Indeed, it would be difficult to find in England any better small example of this phase of design, which reached its ripest development during the first quarter of the nineteenth century. For subtle elegance of composition, delicacy of detail and reticent simplicity it can compare favorably with any of its like-sized peers, on either side of the Atlantic, cast in the mould of that tradition begun by Henry Holland and carried on by Nash and Papworth, Cockerell and Mylne, in England, and by Latrobe, Robert Mills and Graff, in America.

This small but once perfectly appointed "gentleman's seat," near the banks of the Delaware River, has now fallen into a sorry state of decay, not so far advanced, however, that it could not be arrested and the fabric restored to sound condition without serious difficulty. Much as this decay is to be deplored, it has nevertheless made it possible to examine the structure, so to speak, in certain particulars far more readily and with far more certitude of results than could have been expected had the building been in perfect repair. To illustrate, unless the thin wood

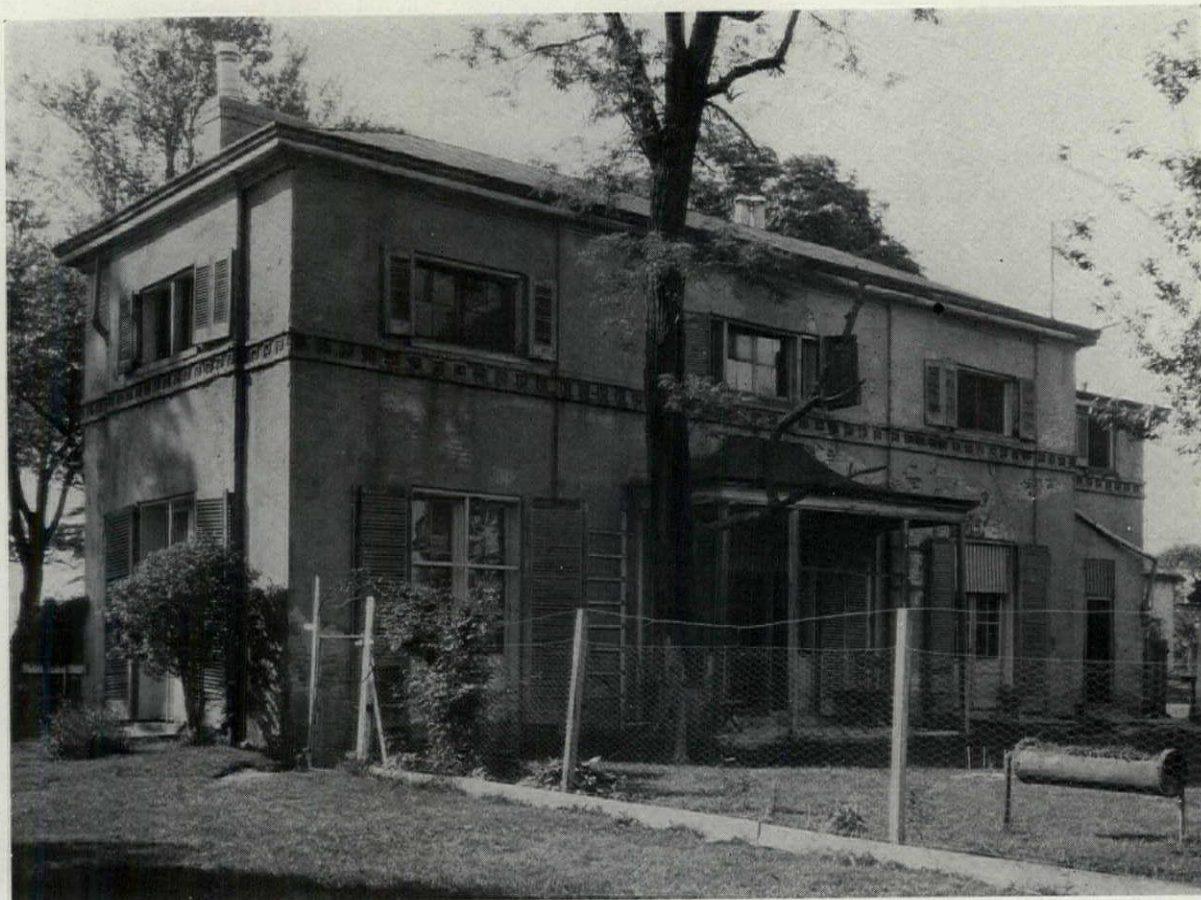
ceiling of the little semi-elliptical portico of the west front had been rotten and partly gone, it would have been hard to determine what was the exact original contour of its roof,—whether it was a true half-saucer dome, as it should have been according to the best usage of the period, or whether its now somewhat lumpish contour was merely the result of repeated and clumsy patchings with odd pieces of tin,—which seemed by no means impossible. Taking advantage of the holes in the decayed wood ceiling, however, with the precarious aid of a rickety ladder that threatened to collapse every minute, and by thrusting arms and heads through the holes in the boarding, the exact contour of the original oak forms could be determined. The roof was unquestionably a half-saucer dome, with a slight outward flare at the eaves. Again, the uncared-for condition of the exterior made possible the settling beyond all peradventure of several questions about the belt course and the joinery of the shutters. The method of joinery appears in the plates of measured drawings, so that further comment on that score is unnecessary. In the matter of the belt course, however, it should be noted that the decoration of Greek key frets is made of cast iron. The units are small, and each unit is held in place by three screws at the angles. These screws are fastened into wooden wedges that had first been driven into the mortar joints between the bricks, the stucco being applied afterwards. No trace of color or of paint of any sort now remains on the iron frets. Their surfaces



Photos. Frances B. Johnston and Harold D. Eberlein
South End



West Portico



The East or River Front



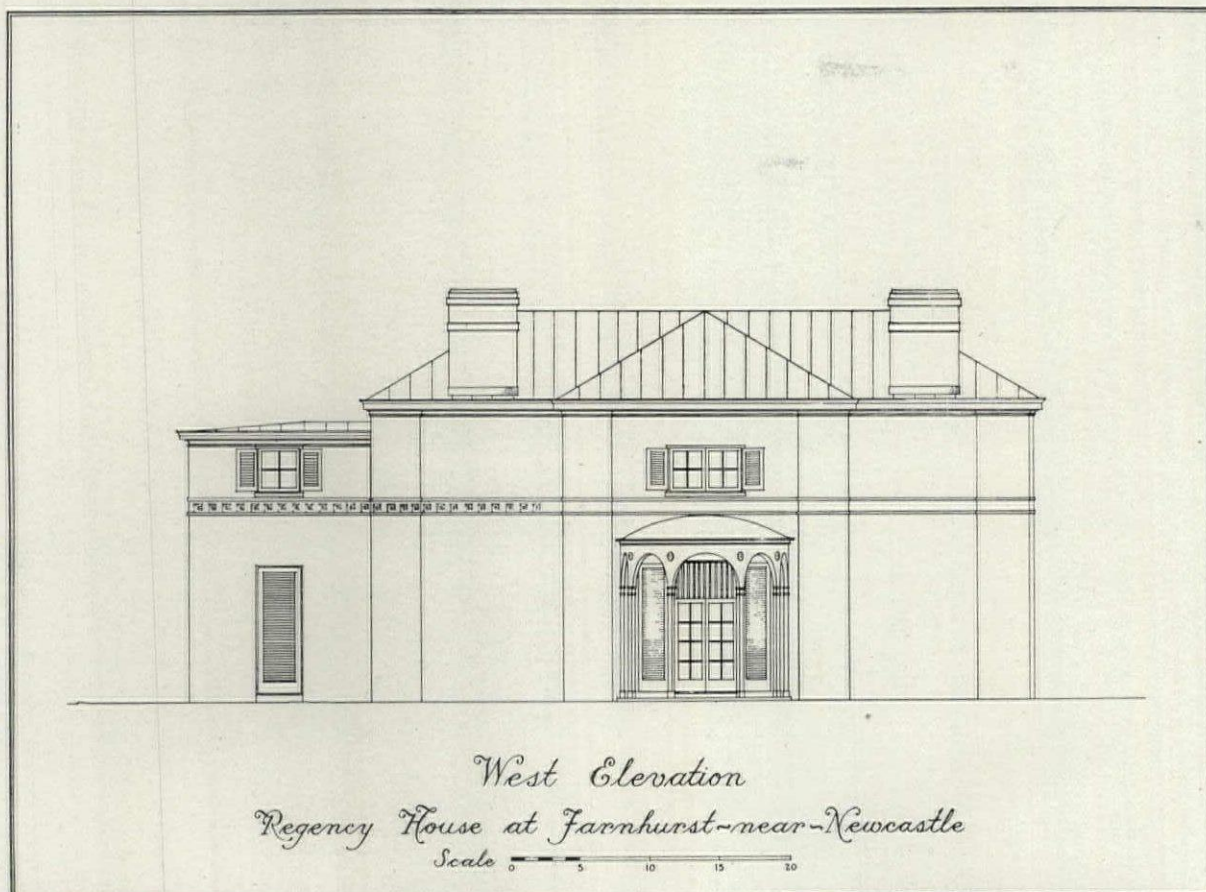
East Elevation

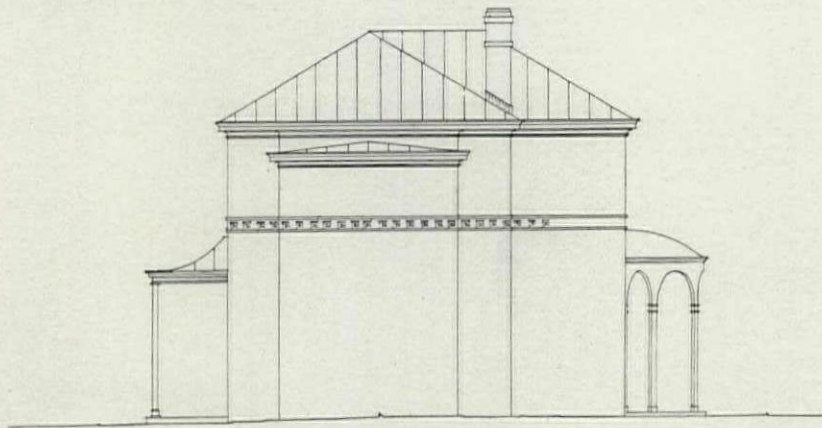
Regency House at Farnhurst near Newcastle

Scale 0 5 10 15 20



The West or Garden Front

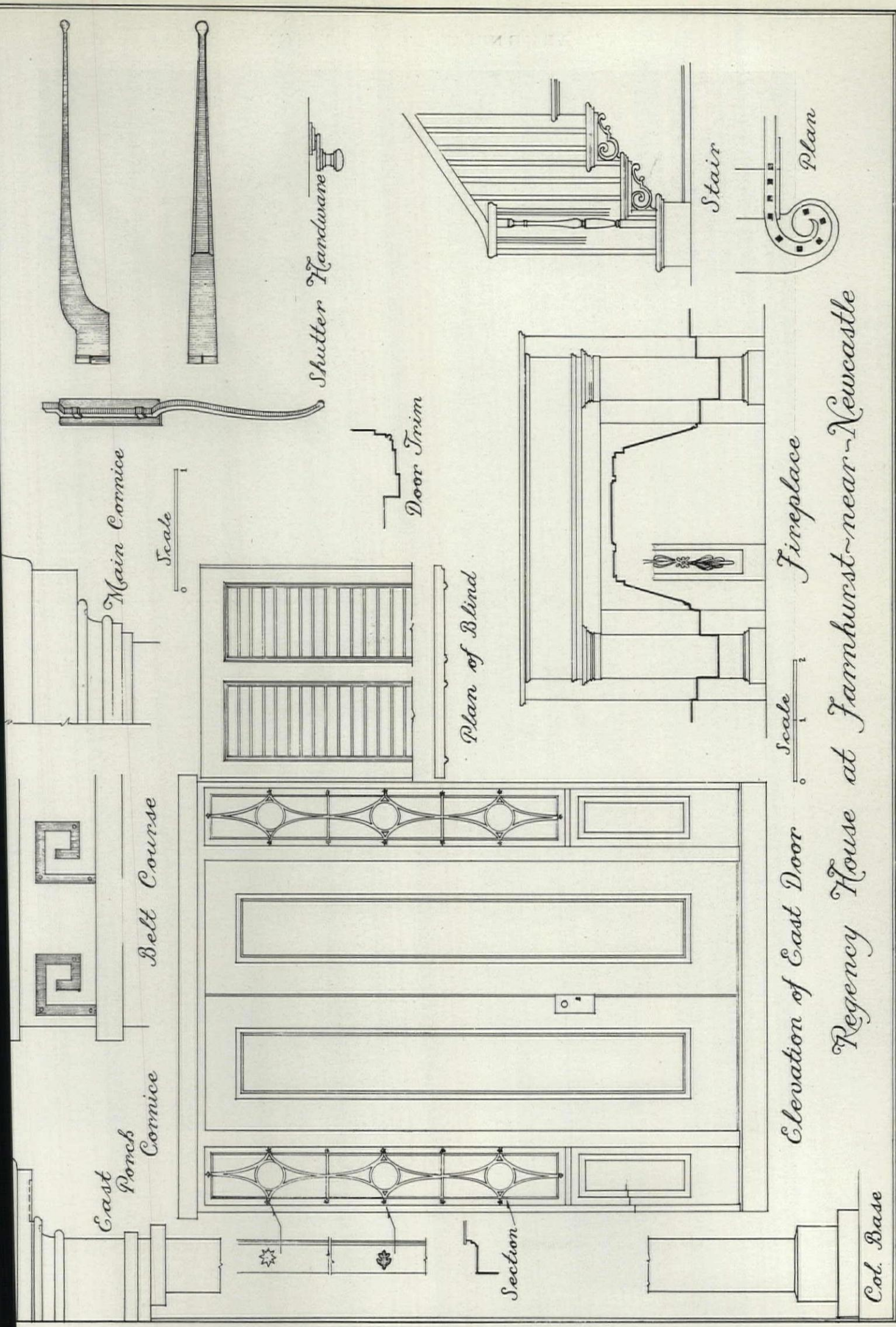




North Elevation
Regency House at Farnhurst-near-Newcastle
Scale 0 5 10 15 20

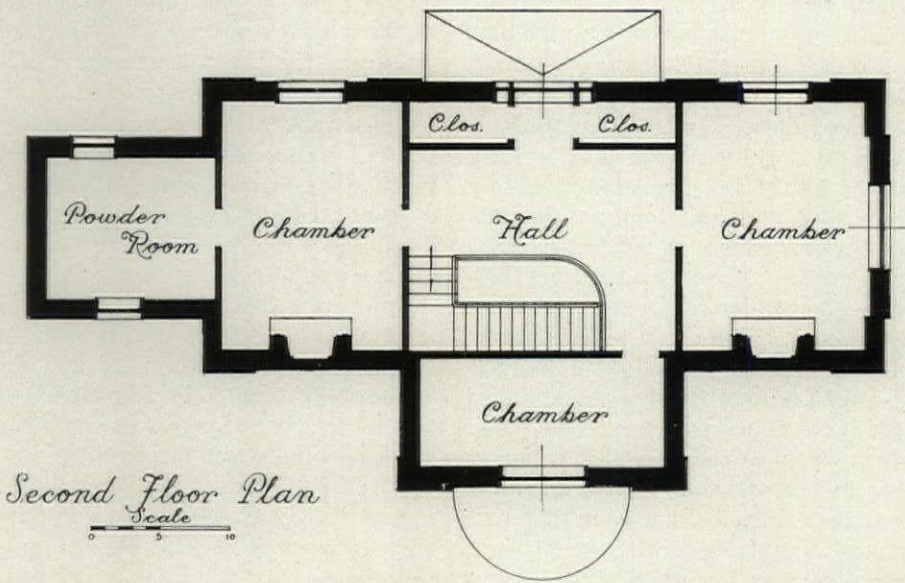


South Elevation
Regency House at Farnhurst-near-Newcastle
Scale 0 5 10 15 20

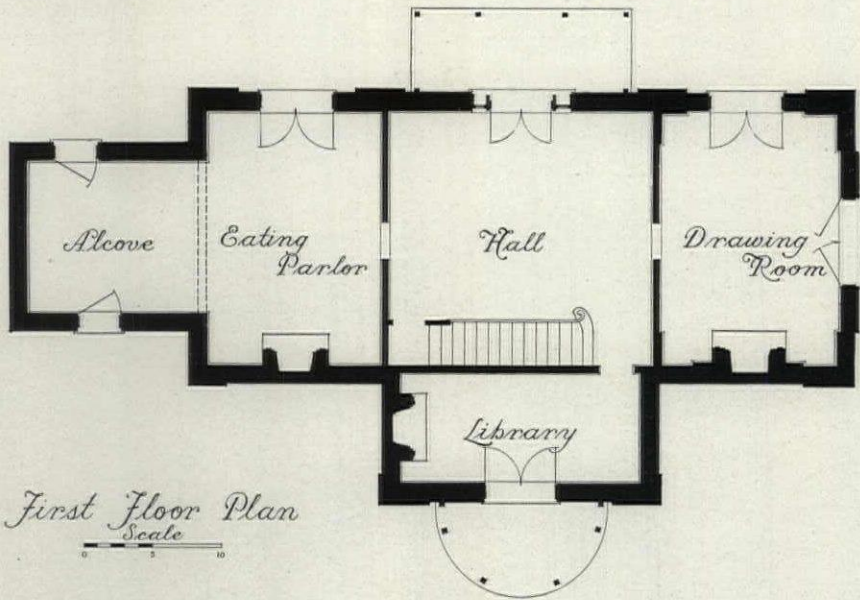




STAIRWAY, REGENCY HOUSE AT FARNHURST-BY-NEW CASTLE, DEL.



Regency House at Farnhurst-near-Newcastle



Regency House at Farnhurst-near-Newcastle

projected from the face of the stucco and, in all likelihood, they were originally painted black or, less probably, of a color to correspond with the stucco.

The main entrance seems to have been originally on the east front, facing the river, access being through the veranda and the wide door into the hall. What was the layout of the surrounding grounds, it is now impossible to determine. There are still traces visible here and there of what seems to have been a regularly plotted garden with definite form to the south of the house and immediately before the south window of the drawing room, but they are only the merest traces and not sufficient to make possible the reconstructing of a plan. The only feature of which enough vestiges remain to conjecture fairly accurately its lines, is the drive. This appears to have come in from the west and then to have made a circling course around to the river front of the house, whence it continued its curve to the coach house on the north. It also seems likely, so far as one can judge from the remnants of the planting, that there was once a broad vista from the east front of the house toward the river, the straight lines of the trees diverging from the house wedge-wise with the head of the wedge at the farther ends of the groves. For the rest, there is only one lone box tree beside the west portico as a reminder of its symmetrically placed fellows, some of which the present occupants say were still living when they came to the place 14 years ago.

One exceedingly interesting and subtle feature of the composition is the way in which the corner pylons of the west and east fronts immediately at the angle become flush parts of the north and south walls, while these walls break forward across the center in the portion containing the windows. It is also worth noting how the height of the belt course increases the scale of the house. The rather excep-

tional measurements of the glazing are worth observing; the panes in the south casement of the drawing room are 12 inches by 22. These in the east casements are the same in height, but narrower to accord with the narrower window opening. The muntins are uniformly $\frac{5}{8}$ of an inch in thickness. This was the usual width prevalent at the period. The paving of the west portico is of brick, that of the east veranda of squares of white and gray marble laid chequerwise. The portico and veranda columns stand on white marble plinths.

It is a curious fact that the detail of the woodwork inside the house does not correspond in refinement with the exterior detail; this includes the inner detail of the casements, which is of the same character as the exterior work. In fact, the interior detail is much coarser, less studied and rather dull. The explanation seems to be that the outside of the house was finished at the period of erection while, for some cause now unknown, the finishing of the interior was postponed to a later date when the heavier influence of the purely Greek Revival began to make itself very perceptibly felt. It seems impossible to believe that the exterior and interior details could have been designed by the same hand or, at least, designed at the same time. Whether the stuccoed surface of the outside walls was ever painted or not, it is now impossible to say. In any event, the surface was smoothed with care, and the structure always displayed an aspect of extreme suavity. In these days of exaggerated plaster textures, very obviously and laboriously smeared and dented in order to produce meretricious "artistic effects" for exteriors, it is a relief to find the dignified, restful placidity of a wall surface such as that of this little Regency house in Delaware. Its reticence and dignity render it acceptable as a model for present-day country house architecture. It possesses a charm which is enduring.



Old Coach House, Farnhurst-by-New Castle, Del.



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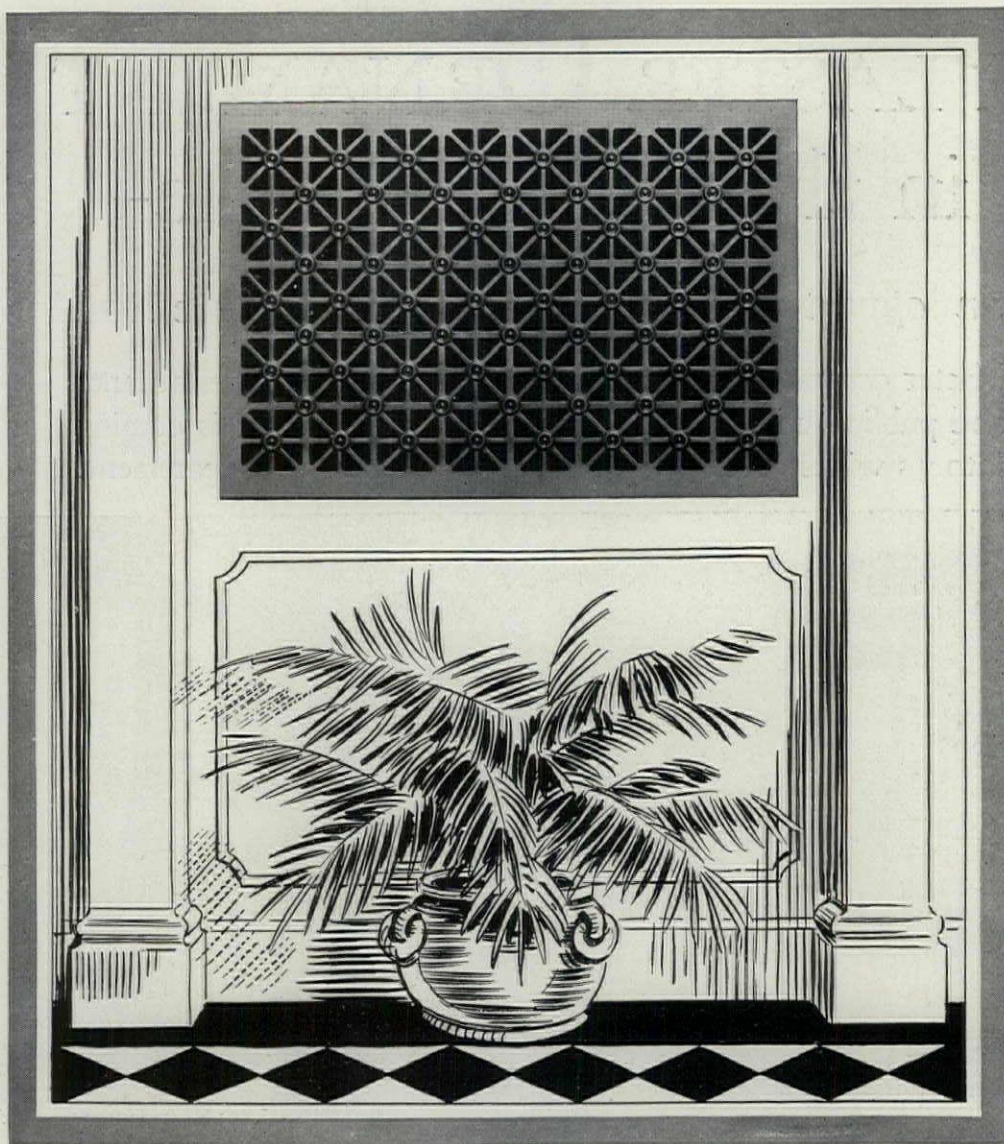
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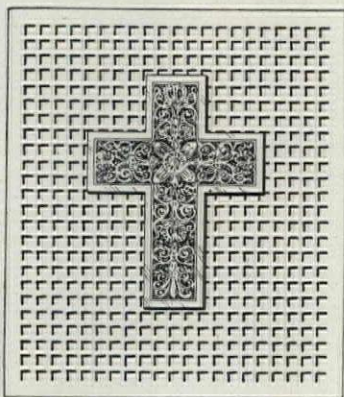
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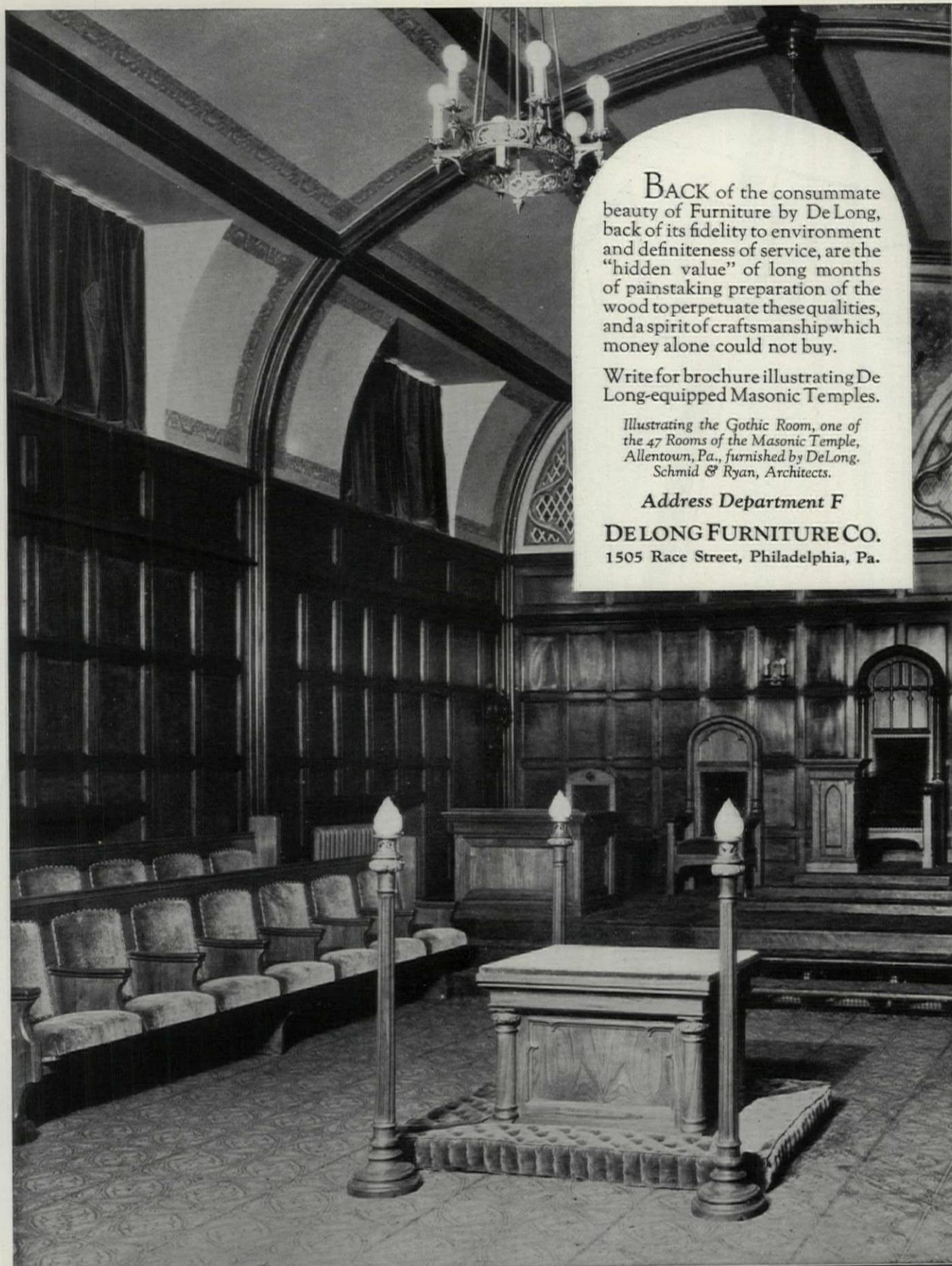
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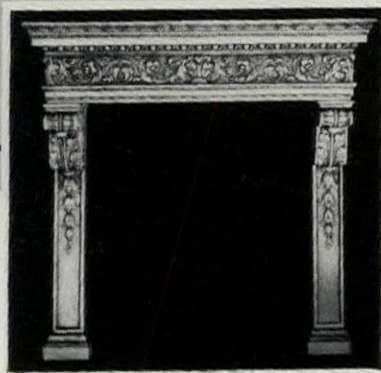
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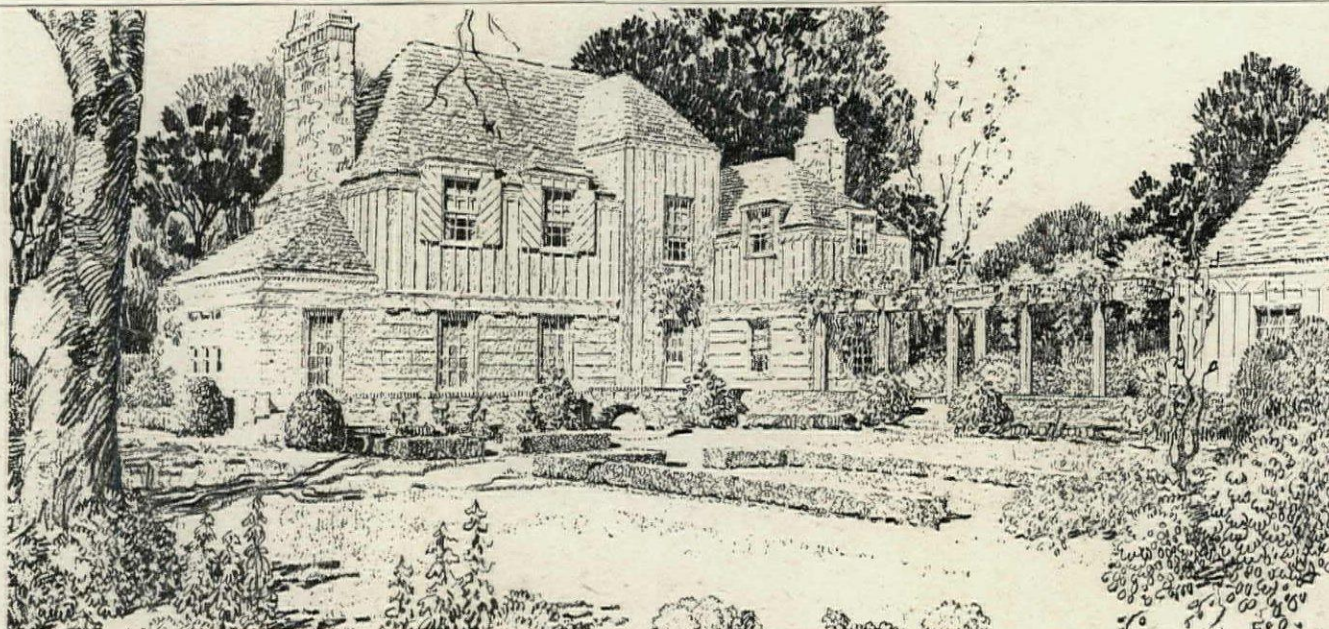
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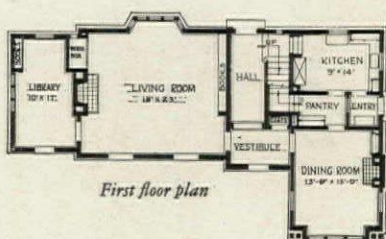
WEST COAST WOODS ARCHITECTURAL COMPETITION

DESIGN NO. 6

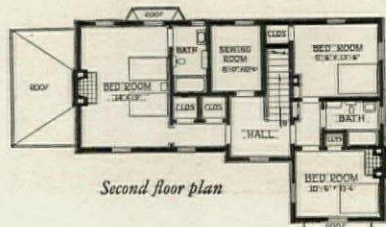


Lyle Swiger, Architect, Asheville, N. C.

A West Coast woods design for the suburbs or the country



First floor plan



Second floor plan



The fireplace detail in the living room shows how Douglas Fir is used, sand etched to bring out the natural grain, acid stained and finished with clear matt varnish.

WOOD is particularly suited for the suburban or country home. The above design received fourth mention in the West Coast Woods Architectural Competition, and embodies many pleasing features. Here are the specifications laid down by the architect:

All framing shall be Douglas Fir or West Coast Hemlock. Door and window frames, interior and exterior, of selected Douglas Fir. The living room and stair hall finish of Douglas Fir, sand etched to bring out the natural grain, acid stained and finished with clear matt varnish. The dining room and kitchen shall be finished in natural Sitka Spruce.

All bedrooms and the sewing room, West Coast Hemlock, with silver gray acid stain, and flat varnish. All second floor closets lined with Western Red Cedar or Port Orford Cedar. Flooring throughout the first and second floors of West Coast Hemlock or Douglas Fir $1\frac{1}{2}$ " x $5\frac{3}{4}$ " face laid in short lengths and painted.

The roof shall be covered with edge grained Western Red Cedar shingles or shakes laid with copper or zinc coated nails. Shingles shall have a thickness of approximately 1" at the weathering end, and be stained in variegated shades.

The exterior siding, clapboards, strips, dormer finish and exterior wood finish, including hand carved ornament, shall be Western Red Cedar or Douglas Fir stained in a green-gray shade.

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.

Durable
Douglas Fir
America's Permanent
Lumber Supply

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

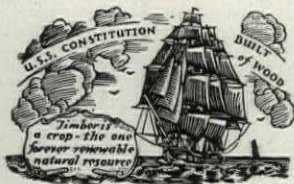


FRIENDLINESS

*Gracious hospitality expressed in drawing room
from Almodington Manor*

ONE of the most charming Colonial interiors exhibited in the American Wing of the Metropolitan Museum is the drawing room from Almodington Manor, Somerset County, Maryland, paneled in wood from floor to ceiling. The classic simplicity of treatment and modest fluting of mantel and china cupboard rendered it all the more livable to the gentle folk to whom it was so dear.

Unconsciously one feels the gracious hospitality expressed in such a room greatly enhanced by the presence of the painted panels of wood—wood, the material so grateful to the talents of both architect and artisan.



Friendly, and warm to the touch, wood offers a depth of tone and harmony of color making possible the achievement of many delightful effects.

Just as in the days when an inspired architect created Almodington Manor and used wood so judiciously in the working out of his designs, so many architects today are turning to wood for help in their problems of decoration, as well as of structure. "Wood is coming back to its own."

A right wood for every purpose is available to you and to posterity. Wood is the only building material that is spontaneously renewed.

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LUMBER
MANUFACTURERS ASSOCIATION
WASHINGTON, D. C.

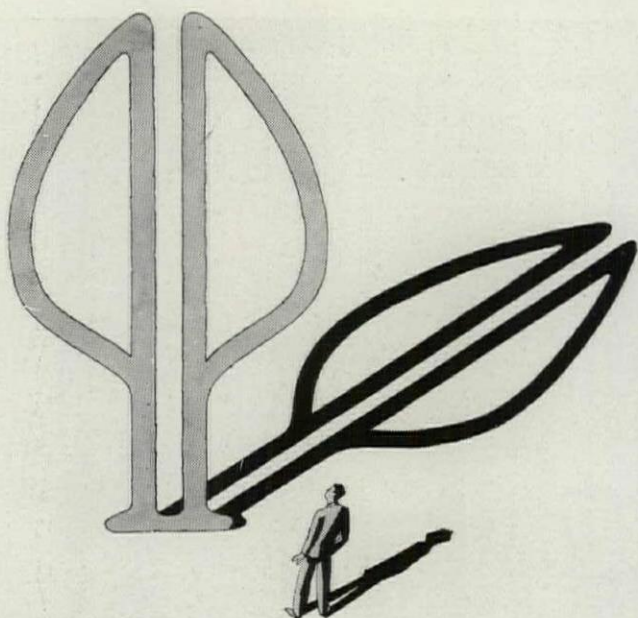
NEW YORK, N. Y.
CHICAGO, ILL.

SAN FRANCISCO, CAL.
MINNEAPOLIS, MINN.

INDIANAPOLIS, IND.
KANSAS CITY, MO.

DALLAS, TEX.
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This pine tree makes you an expert judge of good lumber



From carefully selected trees from the forests of the Northwest—cut, seasoned and graded right—this lumber is available at the better lumber yards, the country over.



On the doorway's snug fit depends much of the charm of the front entrance. Doors and sash of Pondosa Pine will stay straight and true against all time and weather.

Pine lumber, one of the most important materials that goes into the building of a home, has come out of the shadowland of the indefinite and questionable to take its place among the certain and known products of industry.

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Through this species-mark, Pondosa Pine takes its place as reliable merchandise beside trade-marked and advertised hardware; electric fixtures marked with names that mean responsibility; plumbing fixtures on which world-known names appear; heating plants, the names on which are guarantees of quality.

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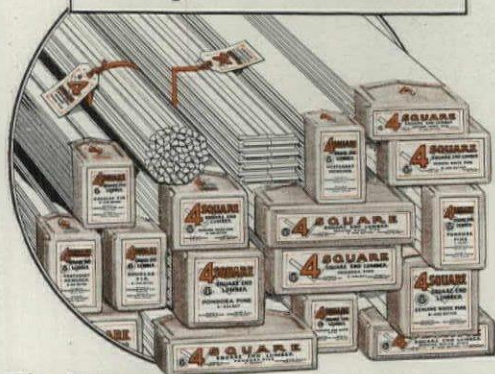
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BEVEL SIDING • COLONIAL SIDING
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CEILING AND PARTITION
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A New Means of Specifying Lumber

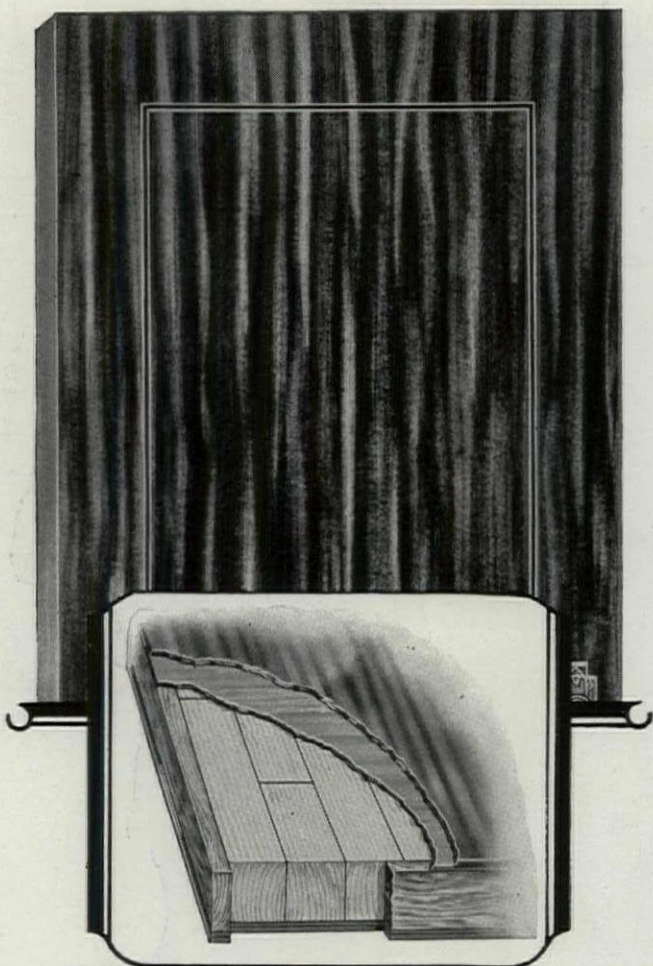
NOW you can successfully specify lumber by make, species and grade and know that you get what you specify. Weyerhaeuser's new 4-Square Lumber is the finest lumber modern methods can produce. It is thoroughly seasoned. Cut to exact lengths, with both ends perfectly squared to save labor and make better workmanship certain. And it is packaged!

Faces and ends are protected until ready for use. The 4-Square label on each package or piece is the Weyerhaeuser guarantee of both species and grade. You can prevent errors and wilful substitution. 4-Square Lumber is made in a wide variety of sizes, species and grades, all guaranteed by Weyerhaeuser. It can now be supplied by reliable lumber dealers everywhere.

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RODDIS FLUSH DOORS are built on a solid core of softwood. On each side of the core are two layers of veneer. At top, bottom and sides are hardwood edge-strips to keep moisture from the core.

Ability to prevent the passage of noise and fire is secured to an unusually satisfactory degree. Permanence, too, is assured by such substantial construction.

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Marshfield, Wisconsin

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RODDIS DOORS
Made by the
WORLD'S LARGEST PRODUCER OF FLUSH DOORS

There's a promise in the policy of always being FIRST

Half a century ago, the first window sash ever successfully marketed *with the glass in place*, left the Curtis plants.

Ten years ago, the priceless quality of architectural *beauty* was added to the excellence of Curtis materials and workmanship.

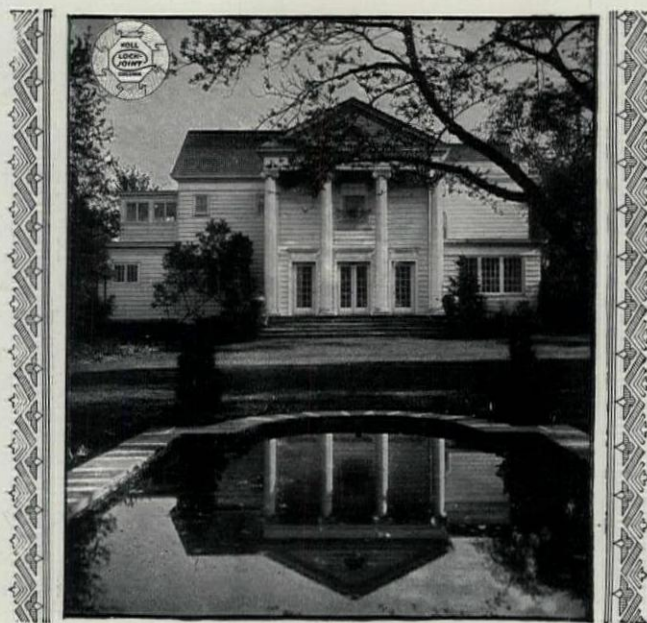
For the first time in the history of the woodworking industry, leading members of the architectural profession were employed to design woodwork for the moderate-priced house.

Are not these important steps in the progress toward the house of good design, fraught with opportunities for every architect doing residential work? Do they not promise a plus value in every home built with Curtis Woodwork?

Forward-looking architects are making use of Curtis Woodwork with great profit to themselves. May we tell you how?

**1866
CURTIS
WOODWORK**

THE CURTIS COMPANIES SERVICE BUREAU
848 CURTIS BUILDING
CLINTON, IOWA



Residence of W. H. Malone, Park Ridge, Ill.
Zook and McCaughey, Architects

Years of specialization enable Hartmann-Sanders designers and craftsmen to create not only beautiful entrances and columns, but many other exterior and interior features of unusual artistic and mechanical excellence. Catalog I-47 of Columns or Catalog I-53 of Model Entrances sent on request. Hartmann-Sanders Co., 2151 Elston Avenue, Chicago. Eastern Office and Showroom: 6 East 39th Street, New York City.

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Do not skin over

WE tell you straight from the shoulder that these finishes do not skin over and we mean it.

Specify these remarkable varnishes in your next paint contract and test their real economy. They afford greater coverage per gallon than any other speed varnish. Notwithstanding their fast drying, they do not skin over in the can nor gum up in the brush.

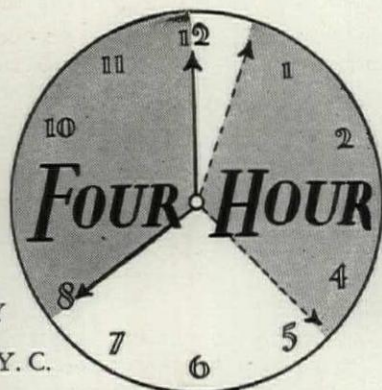
After many long months of painstaking research, we have perfected three fast drying finishes of the usual high Valentine quality. *Four Hour Floor Varnish*, *Four Hour Interior Varnish* and *Four Hour Architectural Enamel* (white, ivory, gray in Satin gloss or flat finish). They are oil type finishes, of full body, and actually dry hard in four hours or less. They are unsurpassed for all interior jobs where speed and durability are required.

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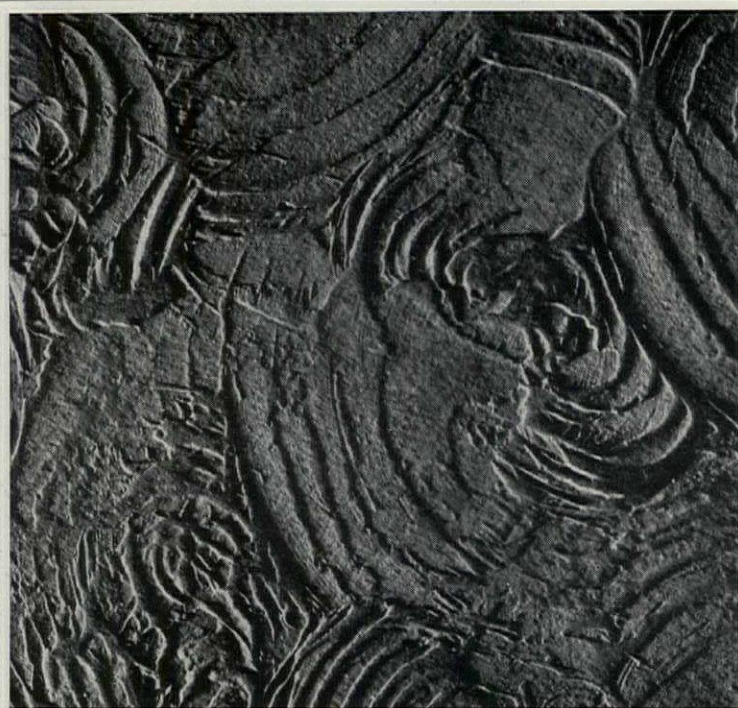
Chicago: 2500 Prairie Ave.



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Texture produced with white-lead and oil plastic paint by pressing a sponge into it and giving the sponge a half turn with the wrist.

BEAUTY... COLOR... CHARACTER

in Modified Textures

with WHITE-LEAD and OIL PLASTIC PAINT

HERE is a wall treatment, secured with Dutch Boy white-lead, that gives finishes of surprising charm.

The architect may specify white-lead and oil plastic paint with perfect assurance that the resulting modified or low-relief textures will be in keeping with the highest decorative standards.

This paint can be manipulated with paint brush, sponge, whiskbroom or any other means, making possible an unlimited number of textured treatments.

The formula is 100 pounds Dutch Boy white-lead, 22 pounds dry whiting, 1½ gallons Dutch

The architect is assured of individual design . . . side-wall decoration of restraint and dignity . . . with this plastic paint made with Dutch Boy white-lead . . . in addition, this finish is relatively low in cost . . . durable . . . washable.

Boy flating oil and 1 gill drier.

Plastic paint, made with this formula, is relatively low in cost. It is easy to apply . . . is brushed on. It sets up overnight. It may be tinted with regular colors-in-oil just like any other white-lead paint. The finish is thoroughly washable.

When textured, the paint is complete as a finish; though it may be glazed if desired. No size coat is

necessary to permit glazing.

A booklet about this new use for Dutch Boy white-lead will be sent upon request. Address your inquiry to the Department of Color Research and Decoration, care of our nearest branch.

DUTCH BOY



WHITE-LEAD



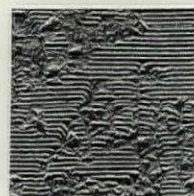
Texture obtained with paint brush.



This texture produced with clothespin.

NATIONAL LEAD COMPANY

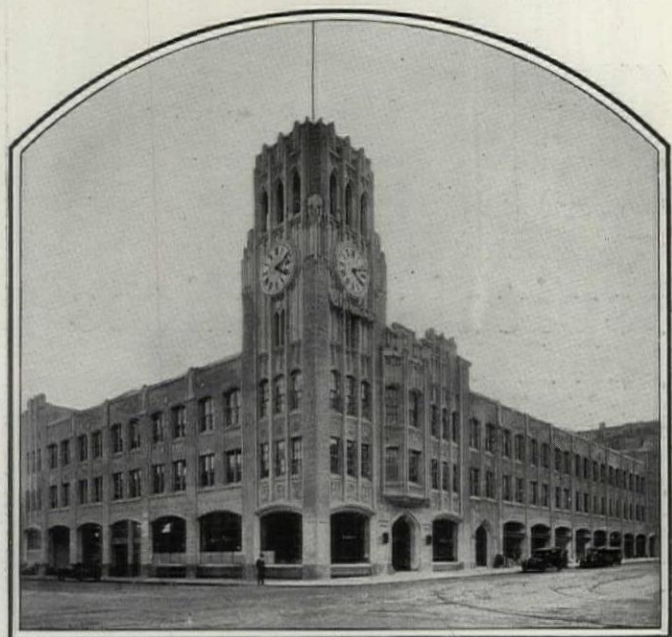
New York, 111 Broadway . Boston, 800 Albany Street . Buffalo, 116 Oak Street . Chicago, 900 West 18th Street . Cincinnati, 659 Freeman Avenue . Cleveland, 820 West Superior Avenue St. Louis, 722 Chestnut Street . San Francisco, 235 Montgomery Street . Pittsburgh, National Lead & Oil Co. of Pa., 316 Fourth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



Textured with graining comb and ball of paper.



Unusual effect obtained with whiskbroom.



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They both chose Barreled Sunlight for interior painting

TWO splendid buildings—typical of many which have recently sprung up throughout the new West. Handsome, efficient structures where nothing but the very best materials have been used. Barreled Sunlight was specified for interior painting.

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Guaranteed to remain white longest.

For places where a flat finish is preferred, nothing is more suitable than Barreled Sunlight Flat. Extremely handsome and uniform.

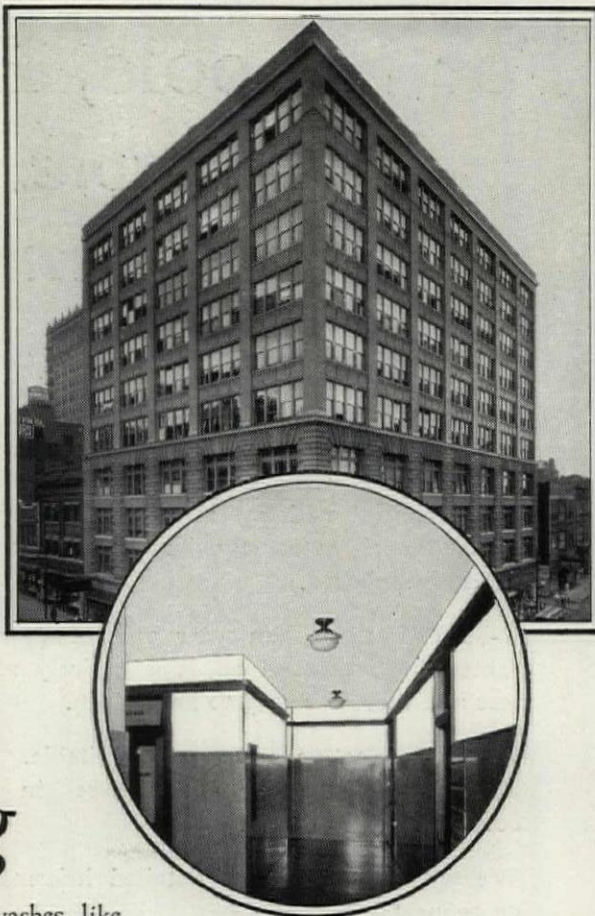
Barreled Sunlight Semi-Gloss strikes a happy medium.

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Corridors of the Argyle Building are exceptionally light and clean. They are painted with lustrous, washable Barreled Sunlight



By simply mixing colors in oil with Barreled Sunlight white, the painter on the job can easily obtain any desired shade. In quantities of 5 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.

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Please send me your booklet, "Information for Architects," and a panel painted with Barreled Sunlight. I am interested in the finish checked here—

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For Schools, Hospitals, Offices *Serviceable, Comfortable, Economical, Clean*

The distinctive velvety, rubber-like texture of T-M-B offers unusual comfort. Time does not affect the "feel." The floor never wears gritty or rough.

The material will not rot, buckle, warp or loosen. It is extremely durable, and can be invisibly repaired.

T-M-B costs less than other types of approved material. Trowelled on, it is entirely seamless and therefore easy to keep clean.

Several attractive colors are available. We supervise installations anywhere in the country.

We will gladly furnish detailed information on request.



Above — Insurance Company of North America, Philadelphia, Pa., 140,000 sq. ft. of T-M-B



Left — High School, Baldwin, L. I.; 50,000 sq. ft. of T-M-B; H. T. Blanchard, Architect

Above — Presbyterian Hospital, Denver, Col.; 8,000 sq. ft. T-M-B; W. E. and A. A. Fisher, Architects

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(Flooring Division—Thos. Moulding Brick Co.)

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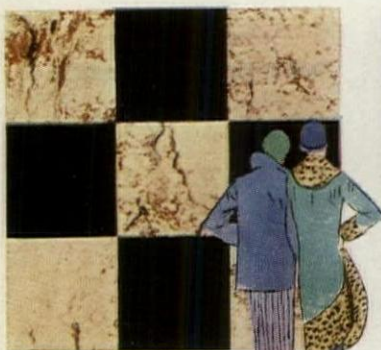
3033—"Neptune"—a colorful Karnean Marbled pattern.

Floors enter the decorative scheme

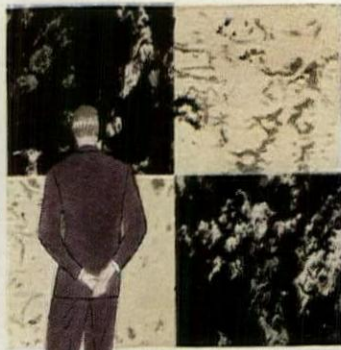
ARCHITECTS pave the way to decorative harmony when they write "*Sealex Linoleums*" into the specification. For these modern linoleums make possible a new unity in the color scheme of any interior. Moreover, they supply interest to one of the largest expanses in the room—the floor.

Sealex Linoleums possess an exclusive feature which wins the enthusiastic approval of the client. For the remarkable *Sealex Process* assures a permanent linoleum floor that is easy to keep free from spots, stains and ground-in dirt. Moderate in first cost, *Sealex Linoleums* save money in upkeep expense every year of their long life, for they never need expensive refinishing. (See next page.)

SEALEX LINOLEUMS *Stain-proof ~ Spot-proof ~ Easily cleaned*



6061—"Emperor"—A Karnean Marbled design of Sealex Linoleum.



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The beauty of marble— the comfort of linoleum!

WITH Karnean Marbled designs the architect can give an interior the luxurious effect of a real marble floor—at the moderate price of linoleum. For every pattern in this group of *Sealex Linoleums* has the delicate veinings and the lovely colorings of rare and costly marble.

And they have other advantages in addition to their dignified beauty and economy. They are comfortable underfoot and they deaden noise — characteristics which are important in the home and even more so in banks, offices and other public buildings.

Three of the many Karnean Marbled designs are shown above. There are many other equally attractive patterns in the complete line of *Sealex Linoleums*.

Sealex Linoleums are not ordinary linoleums. The exclusive *Sealex Process* puts them in a class by themselves. By means of this process the tiny pores of the linoleum are penetrated and sealed tight. Dirt cannot grind in, grease cannot stain *Sealex Linoleums*. Ink and other spilled things can be wiped off without leaving a spot.

The *Sealex Process* also increases the flexibility and lengthens the life of *Sealex Linoleums*. And—it gives extra depth and richness to the colors.

Complete data and samples of
Sealex Linoleums will be sent on request.



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Stain-proof ~ Spot-proof ~ Easily cleaned
SEALEX LINOLEUMS

*Attaining eminent heights as a
surface-saving, beautifying finish —*

"38"

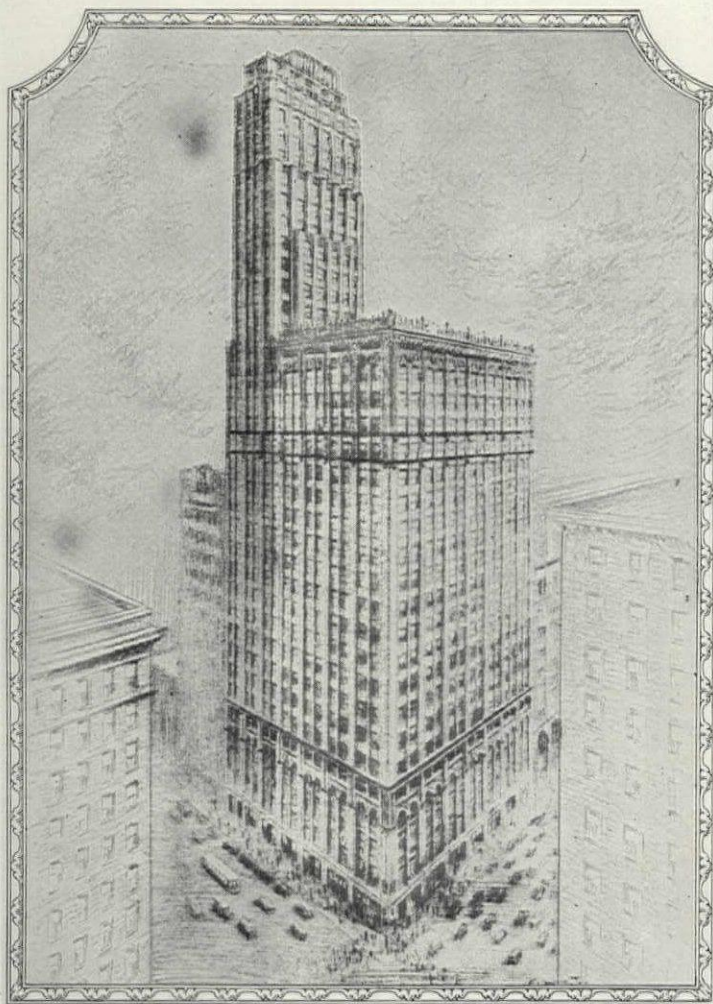
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VARNISH**

THE Roanoke Building, Chicago, is of interest because on the top of the tower of this 37-story structure has been erected the first aerial beacon located in Chicago's Loop.

The steel frame rises 45 feet from the roof to an elevation of 520 feet above the sidewalk. The two rotating beacon searchlights of 8,000,000 beam candle-power each, will be visible to aviators for a distance of 100 miles.

Standing high, figuratively, in the estimation of architects and painters, is the time-tested, superfine interior finish—"38" Preservative Varnish.

"38" was used on the wood trim of the Roanoke



Holabird & Roche, Architects

Robt. Mitchell Furniture Co., Cabinet Contrs.

ROANOKE BUILDING, CHICAGO

Building and so, literally, can be looked up to as an outstanding mark to guide others in the selection of an interior finish.

With many architects and painters, "38" Preservative Varnish, because of its fine, full body, its deep, rich gloss and durability, is the last word in an *enduring* varnish which enhances and protects all interior wood trim.

The P&L Architectural Service Department renders prompt, practical aid on every type of finishing problem.

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

"Save the surface and you save all" Pratt & Lambert

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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.

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DEALER IN FLOOR COVERINGS

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This important acquisition consolidates America's oldest manufacturer of linoleum with one of the youngest and most progressive manufacturers of high-grade felt base floor covering. This now enables Sandura Company, Inc., to manufacture, in addition to their popular Sandura Products, all grades of plain, inlaid and printed linoleum.

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The progressive policy which has won for Sandura Products their widespread popularity, will continue to be reflected in all manufacturing, merchandising and sales activities.

SANDURA COMPANY, INC.

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PHILADELPHIA

MURPHY FINE FINISHES*Famous for 63 years among architects, master painters, and makers of products requiring a fine finish*

The **AEOLIAN
BUILDING**
*was finished with
Murphy Univernish*

THIS beautiful building, which won the 1926 prize of the Fifth Avenue Association, was designed by Messrs. Warren & Wetmore and decorated by Messrs. Mack, Jenny & Tyler of New York.

For the varnished surfaces Murphy Univernish, a fine all-purpose varnish, was used. It was also used to give an extra finish and extra protection to the painted wood-work; and in a large part of this work it was used instead of oil to produce a fine, durable white paint that would not turn yellow.

No pains nor expense were spared to make the interior of this fine building as beautiful and enduring as the exterior.



Murphy Varnish Company

Newark

Chicago

San Francisco

Montreal





CARNEY CEMENT IN THE

<i>Building</i>	<i>Architect</i>
1 St. Clair Hotel - - -	Oman & Lilienthal
2 American Furniture Mart - -	N. Max Dunning
3 Wrigley Annex - -	Graham, Anderson, Probst & White
4 Wrigley Tower - - -	Graham, Anderson, Probst & White
5 Hibbard, Spencer, Bartlett & Co.	Graham, Anderson, Probst & White
6 London Guarantee Office Bldg. -	A. S. Alschuler, Inc.
7 Bell Office Building - -	Vitzthum & Burns
8 Pure Oil Building - -	Giaver & Dinkelberg
9 Lake-State Bank Building - -	Rapp & Rapp
10 Lake-Michigan Office Building -	A. S. Alschuler, Inc.

CARNEY CEMENT
for Brick and Tile Mortar

Specifications

1 part Carney Cement to 3 or 4 parts
sand depending upon quality of sand.



HEART OF CHICAGO

THE above photograph offers a beautiful tribute to Carney Cement. Here within a stone's throw, in the heart of Chicago, are ten tremendous projects---one, the largest building in the world, and all laid up with Carney Cement mortar. We are particularly proud of this exhibit because it represents not the attitude of one man toward our product, but that of several who are prominent in the profession.

THE CARNEY COMPANY

Cement Makers Since 1883

DISTRICT SALES OFFICES

CLEVELAND
Leader Building

CHICAGO
Builders Building

DETROIT
Book Tower

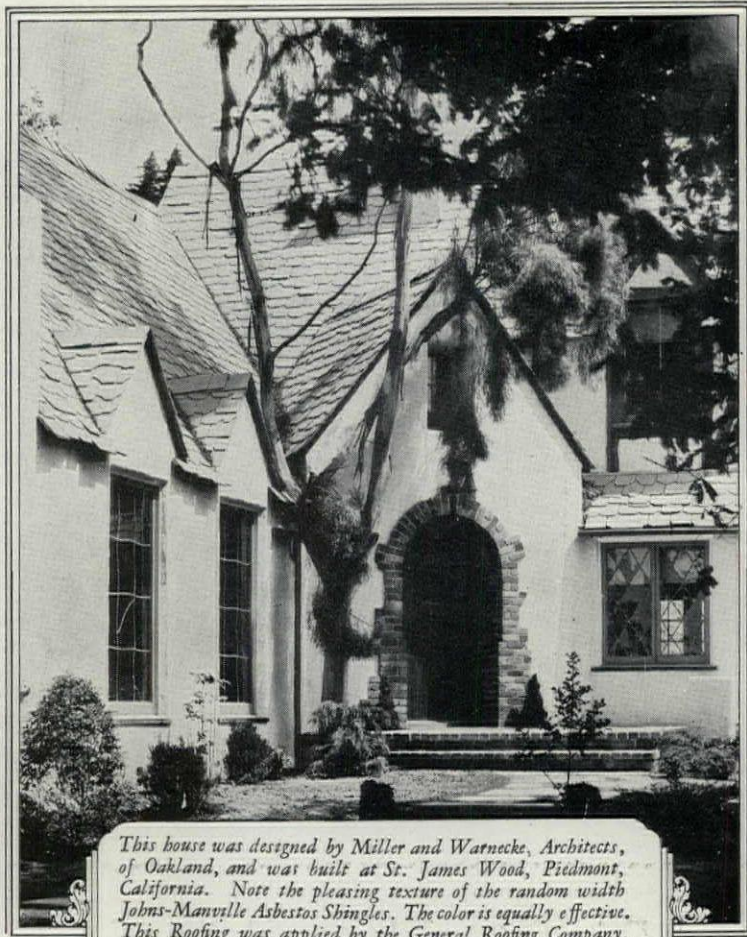
ST. LOUIS
Louderman Building

MINNEAPOLIS
Builders Exchange

CARNEY CEMENT
for Brick and Tile Mortar

Specifications

1 part Carney Cement to 3 or 4 parts
sand depending upon quality of sand.



This house was designed by Miller and Warnecke, Architects, of Oakland, and was built at St. James Wood, Piedmont, California. Note the pleasing texture of the random width Johns-Manville Asbestos Shingles. The color is equally effective. This Roofing was applied by the General Roofing Company, Oakland, California.

ROOFS TO MATCH ANY COLOR SCHEME

*You can achieve any effect with Johns-Manville
Asbestos Shingles, yet give your client a
Permanent, Fireproof Roof*

The day of somber, colorless houses is gone. Gay stucco, brilliant paint, colorful roofs are not only accepted, but demanded. At last the architect has freedom to work out a color scheme which will really wed his house to its setting.

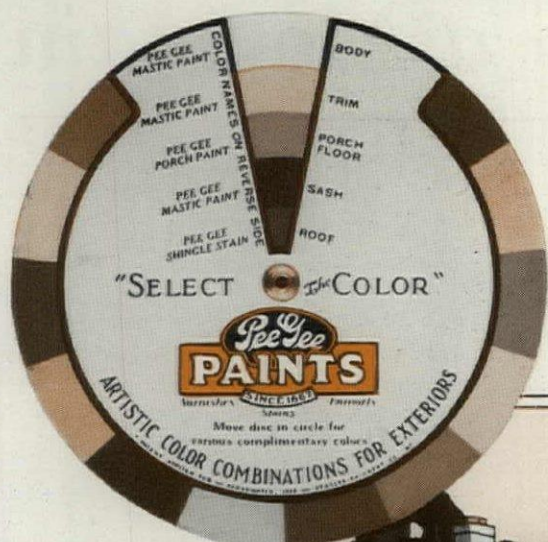
The difficult problem so often is the roof. Shall color be limited to the narrow, trite range of natural slate for the sake of its fire resistance? Shall inflammable wood be used for the sake of color? Johns-Manville Asbestos Shingles meet this

situation squarely and sanely. Their wide range of tints offers the architect every color or color combination he could ask for. Their combination of asbestos fibre and cement provides a roof everlasting and fireproof.

We welcome inquiries from architects and maintain a department which will be glad to discuss your roofing problems without any obligation on your part. Address: Johns-Manville Corporation, 292 Madison Avenue, New York City.



MASTER 'of' ASBESTOS
Johns-Manville
ASBESTOS SHINGLES



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Pat. Applied For



To help your client Select *the* Color

THE FIRST few announcements on Pee Gee Color Selectors have resulted in a deluge of requests for them. Conservative estimates place our eventual distribution figures at not less than a quarter of a million.

The public has found the solution to the old trying problem "What colors will go well together when I decorate?"

When discussing a decorative plan for the home of your client a Pee Gee Color Selector will save considerable lost motion and eliminate argument. This remarkable device (small enough to slip into your coat pocket) offers a choice between fifteen complete groups of harmonious colors. Each group is a complete color scheme in itself. There are two Selectors, one for exteriors, the other for interiors. They are yours for the asking.

A home that is worth painting deserves good paint. There are a number of manufacturers making good paint—but you can rest assured that you will never find better quality than that which bears the Pee Gee trade mark. The service it renders has proved this during the past sixty years.

PEASLEE-GAULBERT COMPANY

Incorporated
LOUISVILLE



UNDERPINNING a Mountain

DURING the construction of the Moffat Tunnel, extending six and a half miles through the Rocky Mountains, a point was reached midway between the portals where unprecedented pressures were encountered from 1500 feet of soft rock above. Here was a problem which defied ordinary construction methods and materials.

Concrete made with "INCOR" Cement solved the problem. The high early strength and all-around satisfaction given by "INCOR" Cement under most trying conditions is striking proof of its dependability.

Much is being said these days about high early strength cement. Instead of *claims* about "INCOR", we present the plain facts in the following specification:

Specification for "Incor" Cement

"INCOR" Cement is a perfected high-early-strength Portland cement and is guaranteed to conform with all requirements of the Standard Specifications and Tests for Portland Cement of the United States Government and the American Society for Testing Materials. In addition, "INCOR" Cement is guaranteed to exceed the standard specifications in the following items:

Fineness: The residue on a standard 200 sieve shall not exceed 10% by weight.

Tensile Strength: The average tensile strength in pounds per square inch of not less than three standard mortar briquets composed of one part of cement and three parts of standard sand, by weight, shall be equal to or higher than the following:

"INCOR" Cement

Concrete Tests

Compression tests of 6 x 12-in. cylinders, made in accordance with A. S. T. M. Standards.

Mix 1-4; water ratio .80 (6 gallons per sack of cement.)

Aggregates; sand and pebbles from Long Island, New York.

Cured in moist room at 70° F.; tested damp.

Concrete was mixed in a 3-cu. ft. Wonder Mixer; 14 cylinders were molded from each batch; 2 from each batch were tested at each age.

Cement	Fineness	Concrete Batches	Slump in.	Flow	Concrete Strength lbs. per sq. in.				
					1d	2d	3d	7d	28d
"Incor"	6.1	3	3	180	2300	3400	3840	4650	5190

These tests were made under the direction of Professor D. A. Abrams and are offered as indicating compression strengths that may be expected of concrete when "INCOR" cement is used.

Age at Test	Storage of Briquets	Tensile Strength lbs. per sq. in.
24 hr.	In molds in moist air for 24 hr.	250
48 hr.	(1 day in moist air) (1 day in water)	350

The average tensile strength of standard mortar at 48 hours shall be higher than the strength at 24 hours.

* * *

"Incor" Cement saves time—the biggest item of expense in modern industry. And, while saving the owner several times its cost by making possible earlier use and by avoiding costly delays, "Incor" assures dependable 24-hour concrete. "Incor" contains no admixtures—it is a perfected high early strength Portland cement.

"INCOR" Perfected High Early Strength PORTLAND CEMENT

Made and guaranteed by the Manufacturers of Lone Star Cement

International Cement Corporation
342 Madison Avenue New York

One of the world's largest cement producers—13 mills . . . total annual capacity 20,000,000 barrels

ALABAMA PORTLAND CEMENT CO.
Birmingham Alabama
INDIANA PORTLAND CEMENT CO.
Indianapolis Indiana
THE CUBAN PORTLAND CEMENT CORP.
Havana Cuba
LONE STAR CEMENT CO. OF PA.
Philadelphia Pennsylvania

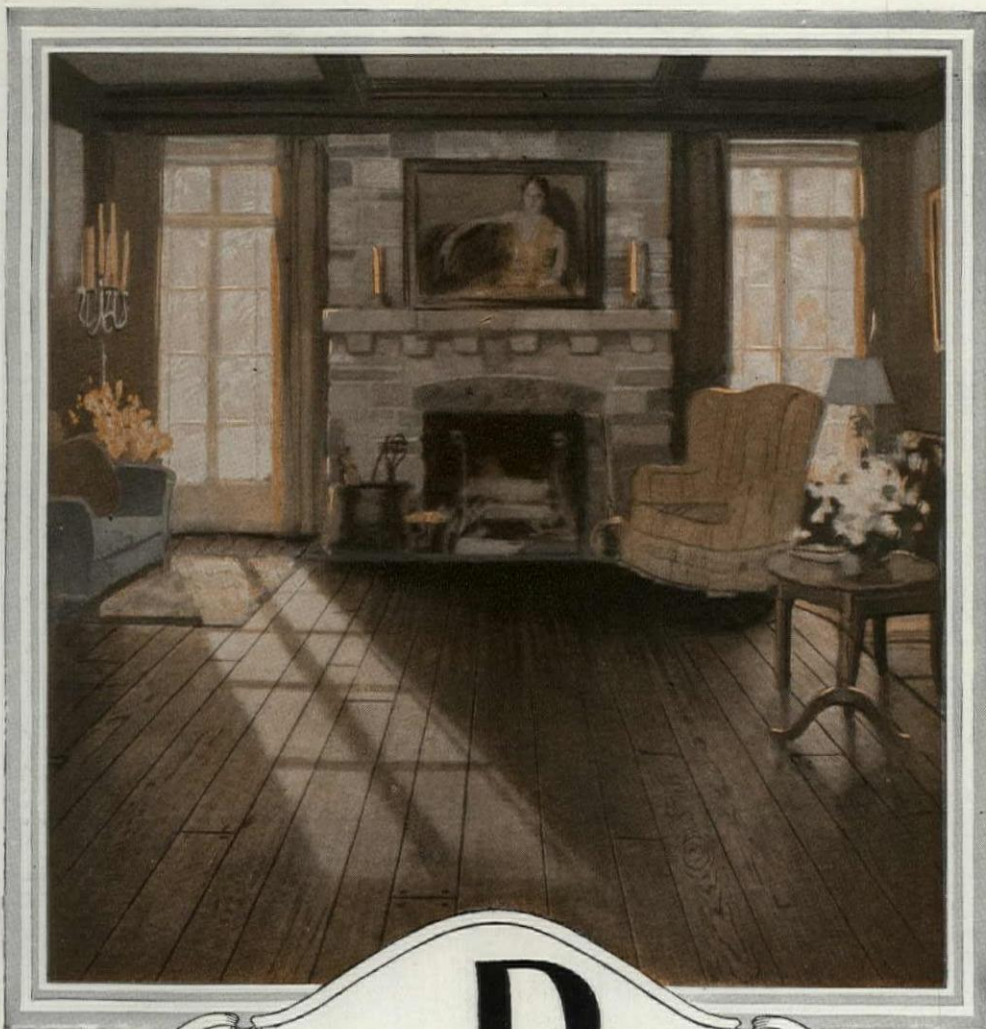
SUBSIDIARIES

THE KANSAS PORTLAND CEMENT CO.
Kansas City Missouri
VIRGINIA PORTLAND CEMENT CORP.
Norfolk Virginia
KNICKERBOCKER PORTLAND CEMENT CO., Inc.
Albany New York

LOUISIANA PORTLAND CEMENT CO.
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ARGENTINE PORTLAND CEMENT CO.
Buenos Aires Argentina
TEXAS PORTLAND CEMENT CO.
Dallas and Houston Texas
URUGUAY PORTLAND CEMENT CO.
Montevideo Uruguay

***CELLizing**
has made
STYLE in
Oak Floors
available for
every home.

We maintain our
own chemical,
technological and
engineering de-
partments which
have definitely
proved every
point through ex-
haustive tests and
which are at your
service without
obligation.



The commonly
used strip floor-
ing, as well as
Oak Floor Blocks
are obtainable
*CELLized.

Plank floors of Solid Oak

—unaffected by moisture
—easily laid and finished

Just what the architect has long searched for—a true Colonial floor of **SOLID** oak planks—that will not cup or shrink, and that can be laid and finished as easily and economically as strip flooring.

Possible only because Bruce planks are *CELLized, a remarkable chemical treat which prevents distortion by moisture. Wide boards are specially susceptible to moisture and till now expensive laminating or veneering has been necessary to avoid the usual cupping. *CELLizing permits the use of solid oak planks—and being solid, the cost is greatly reduced. Blind nailed like strip flooring.

*CELLizing has the highest moisture-proofing efficiency of any treat for wood which permits the usual finishing process. As a matter of fact, *CELLizing improves the finished appearance of the floor. Also proof against wood-boring insects.

Colonial plank floors may now be figured into any flooring estimate. The modest home, as well as club houses and build-

ings where limiting the expense is a factor, may thus be made more interesting and attractive at moderate cost.

E. L. Bruce Co.
MEMPHIS, TENNESSEE

Largest manufacturers of oak flooring in the world



Write for this book

How *CELLizing solves the plank floor problem is fully explained in this booklet—*"Colonial Distinction in Plank Floors."* It is free.

Bruce *CELLized Oak Floor Planks

KOSMORTAR

THE IDEAL CEMENT FOR MASONRY

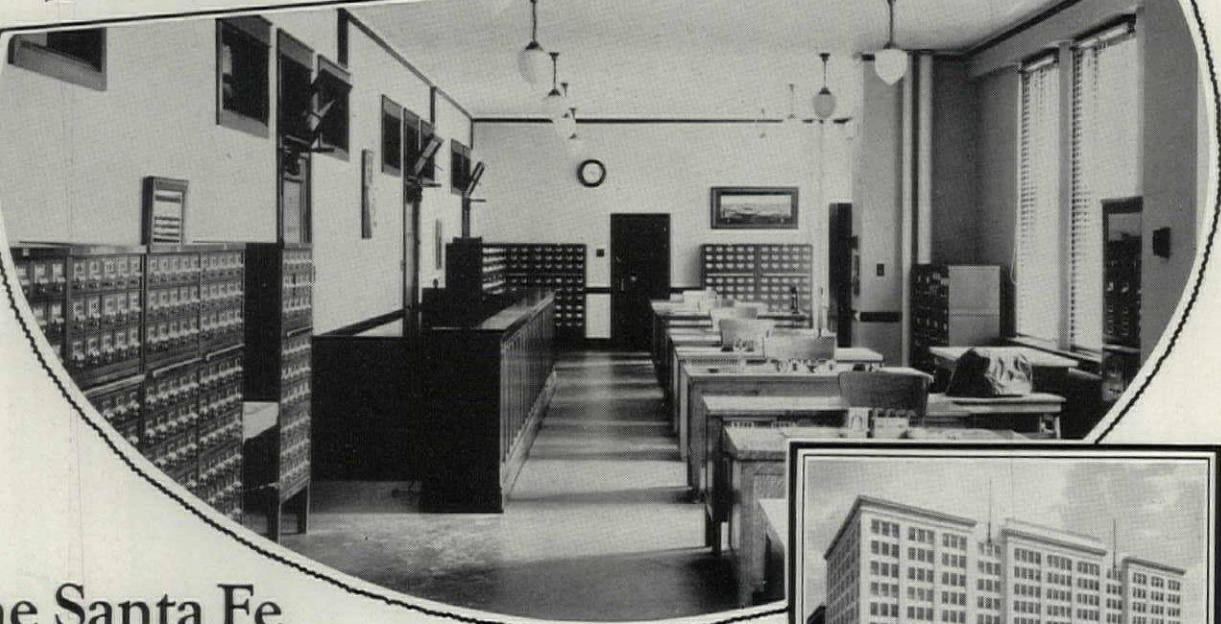


Cook County Criminal Court and Jail Buildings, Chicago.
From an original drawing by Hugh Ferriss.



TO THE public buildings of great American cities the new Cook County Criminal Court and Jail unit at Chicago is an illustrious addition. Kosmortar furnished the mortar for all masonry in the buildings, including the laying up of 6,000 cubic feet of Indiana limestone. "We find," state Hall, Lawrence and Ratcliffe, Inc., Chicago, architects of the buildings, "that mortar made from Kosmortar is of uniform consistency gives a pleasing appearance in its natural color, and is so hard and firm when set that, when necessary to cut or drill into the masonry, the brick or tile will split before the mortar will break." In setting the stone, the Great Lakes Construction Co., Chicago, contractors, found Kosmortar to be absolutely non-staining, agreeing with recent tests made by Robert W. Hunt Co., engineers, in which samples of limestone set with Kosmortar, after three months of exposure to all weather conditions, showed no staining whatever. Write for information further describing the qualities and usage of Kosmortar, *The Ideal Cement for Masonry*. KOSMOS PORTLAND CEMENT CO., Incorporated, Mill, Kosmosdale, Kentucky; Sales Offices, Louisville, Kentucky.

Another "BEST" Job!



The Santa Fe Office Bldg. TOPEKA, KANSAS

Plastered Throughout with
BEST BROS. Keene's Cement



Architects: A. E. Harrison and H. W. Wagner,
Santa Fe System, Chicago.
General Contractors and Plasterers:
Swenson Construction Co., Kansas City

THE new Santa Fe Office Building at Topeka, Kansas, offers another example of how well BEST BROS. Keene's Cement dovetails with modern building requirements. It provides strong, good looking, durable walls which minimize disturbing noises.

Not only in office buildings, but on every job—large and small—BEST BROS. Keene's Cement serves long and well. It enhances the solemn grace of church interiors. In schools and hospitals, its walls prove sanitary and sound-absorbing. It is adaptable to every room in the home, whether cottage or mansion. To

all interiors—from joyous theater lobbies to period hotel halls—it lends lasting beauty.

In BEST BROS. Keene's Cement you get natural gypsum testing over 99% pure, refined by special process into a product of utmost plasticity and great cementing power. Specializing in Keene's Cement only, the BEST BROS. Company has set the standard for Keene's Cement in America.

Write for Further Facts—Literature containing more detailed information about BEST BROS. Keene's Cement will be promptly sent upon request. Write us.



BEST BROS. KEENE'S CEMENT COMPANY
1050 WEST SECOND AVE. MEDICINE LODGE, KANSAS
Sales Offices in: New York, Chicago, San Francisco, St. Louis, Detroit, Atlanta

BEST BROS.
KEENE'S
CEMENT

Always "BEST" for Plastering

(16)

GEORGIA MARBLE



CITY BUILDING OF ASHVILLE, N. C.
DOUGLAS D. ELLINGTON, ARCHITECT

FOR BASE AND TRIM

The entire first story and trim of all lower windows are Pink Georgia Marble. A variety of colored Georgia Marble is also used in the foyer and other public space in this building.

THE GEORGIA MARBLE COMPANY · TATE · GEORGIA

New York, 1328 Broadway Atlanta, 511 Bona Allen Bldg. Chicago, 456 Monadnock Bldg. Dallas, 512 Construction Industries Bldg.

Selected List of Manufacturers' Publications

FOR 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.

AIR FILTERS

- Staynew Filter Corporation**, Rochester, N. Y.
Protectomotor High Efficiency Industrial Air Filters. Booklet, 20 pp., 8½ x 11 ins. Illustrated. Data on valuable detail of apparatus.

BANK VAULTS

- Macomber Steel Co.**, Canton, Ohio.
Bank Vault Reinforcing. Folder, 8 pp., 8½ x 11 ins. Designing Data and Insurance Rating.

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

- A. P. W. Paper Co.**, Albany, N. Y.
Onliwon for Fine Buildings. Folder, 8 pp., 3¼ 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., 4¼ x 9½ ins. Illustrated. Paper Towel System and Cabinets.
- Cabinets and Fixtures. Booklet, 31 pp., 5¼ x 4¼ ins. Illustrated. Catalog and price list of fixtures and cabinets.

BRICK

- American Face Brick Association**, 1751 Peoples Life Building, Chicago, Ill.
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 employees' 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. Illustrated. 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.
- Cement Gun Company, Inc.**, Allentown, Pa.
Gunite Bulletins. Sheet 6 x 9 ins. Illustrated. Bulletins on adaptability of "Gunite," a sand and cement product, to construction work.
- International Cement Corporation**, New York.
Incor Cement. Brochure, 12 pp., 8½ x 11 ins. Illustrated. Data on a perfected, early strength Portland cement.
- Kosmos 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., 3½ 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.**, 315 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 mixtures.
- Pennsylvania-Dixie Cement Corp'n**, 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. Deals with various forms of construction.

CEMENT—Continued

- Town and Country Houses of Concrete Masonry. Booklet, 19 pp., 8½ x 11 ins. Illustrated.
- Facts About Concrete Building Tile. Brochure, 16 pp., 8½ x 11 ins. Illustrated.
- The Key to Firesafe Homes. Booklet, 20 pp., 8½ x 11 ins. Illustrated.
- Design and control of Concrete Mixtures. Brochure, 32 pp., 8½ x 11 ins. Illustrated.
- Portland Cement Stucco. Booklet, 64 pp., 8½ x 11 ins. Illustrated.
- Concrete in Architecture. Bound Volume. 60 pp., 8½ x 11 ins. Illustrated. An excellent work, giving views of exteriors and interiors.

CONCRETE BUILDING MATERIALS

- Celite Products Company**, Chicago, New York, Los Angeles.
Designing Concrete for Workability as Well as Strength. Brochure. 8 pp. Illustrated. Data on how improved workability in concrete is secured without excessive quantities of water.
- 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.
- Kosmos 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). Brochure. 16 pp. 8½ x 11 ins. Illustrated. Data on coloring for floors.
- Dychrome. Concrete Surface Hardener in Colors. Folder. 4 pp. 8 x 11 ins. Illustrated. Data on a new treatment.

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 ins. 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 10½ 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.

DAMPPOOFING

- Philip Carey Co.**, Lockland, Cincinnati, Ohio.
Architects' Specifications for Carey Built-Up Roofing. Booklet. 8 x 10½ 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 10½ ins. 32 pp. Illustrated. A study of school buildings of a number of different kinds and the roofing materials adapted for each.
- Genfire 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 floors and accelerating the setting of concrete. Free distribution.
- The Master Builders Co.**, 7016 Euclid Ave., Cleveland.
Waterproofing and Dampproofing Specification Manual. Booklet. 18 pp., 8½ x 11 ins. Deals with methods and materials used.
- Waterproofing and Dampproofing. File. 36 pp. Complete descriptions and detailed specifications for materials used in building and concrete.
- Sonneborn Sons, Inc.**, L., 116 Fifth Ave., New York.
Specification Sheet, 8½ x 11 ins. Descriptions and specifications of compounds for dampproofing interior and exterior surfaces.
- The Vortex Mfg. Co.**, Cleveland, Ohio.
Par-Lock Specification "Forms A and B" for dampproofing and plaster key over concrete and masonry surfaces.
- Par-Lock Specification "Form J" for dampproofing tile wall surfaces that are to be plastered.
- 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 73

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, mouldings, etc.
- Richards-Wilcox Mfg. Co.**, Aurora, Ill.
Fire-Doors and Hardware. Booklet, 8½ x 11 ins. 64 pp. Illustrated. 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.
- Truscon Steel Company**, Youngstown, Ohio.
Copper Alloy Steel Doors. Catalog 110. Booklet, 48 pp., 8½ x 11 ins. Illustrated.

DOORS, SOUNDPROOF

- Irving Hamlin**, Evanston, Ill.
The Evanston Soundproof Door. Folder, 8 pp., 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. 4¼ x 8¼ ins. 60 pp. Illustrated. Catalog and pamphlets, 8½ x 11 ins. Illustrated. Valuable data on dumbwaiters.

ELECTRICAL EQUIPMENT

- Baldor Electric Co.**, 4358 Duncan Avenue, St. Louis.
Baldor Electric Motors. Booklet, 14 pp., 8 x 10½ ins. Illustrated. Data regarding motors.
- Benjamin Electric Mfg. Co.**, 120 So. Sangamon 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.
- Benjamin Electric Ranges**. Booklet, 8 pp., 8½ x 11 ins. Illustrated. Data on an excellent line of ranges for apartment house use.
- General Electric Co.**, Schenectady, N. Y.
"Electrical Specification Data for Architects. Brochure, 36 pp., 8 x 10½ ins. Illustrated. Data regarding G. E. wiring materials and their use."
- "The House of a Hundred Comforts." Booklet, 40 pp., 8 x 10½ 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 installation 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. Illustrated. Important telephone accessories.
- Fire Alarm Systems**.—Bulletin A-35. 12 pp., 8½ x 9½ ins. Illustrated. Data on fire alarm equipment.
- Electrical Signaling Devices and Control Equipment**. Booklet, 11 pp., 8½ x 11 ins. Illustrated.
- 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 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. Cooking apparatus for buildings of various types.
- Westinghouse Commercial Cooking 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

- 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**. Descriptive leaflets. 8½ x 11 ins. 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-Wilcox Mfg. Co.**, Aurora, Ill.
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, 4¼ x 8¼ ins. 70 pp. Illustrated. Descriptive pamphlets on hand power freight elevators, sidewalk elevators, automobile elevators, etc.

ELEVATORS—Continued

- Catalog and pamphlets. 8½ x 11 ins. Illustrated. Important data on different types of elevators.

FIREPROOFING

- Concrete Engineering Co.**, Omaha, Nebr.
"Handbook of Fireproof Construction." Booklet, 53 pp., 8½ x 11 ins. Valuable work on methods of fireproofing.
- Genfire Steel Company**, Youngstown, Ohio.
Fireproofing Handbook, 8½ x 11 ins. 32 pp. Illustrated. Gives methods of construction, specifications, data on Herringbone metal lath, steel, tile, Trussit solid partitions, steel joists. Self-Sentering formless concrete construction.
- 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 regarding 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 hardened dustproof concrete.
- Concrete Floor Treatments—Specification Manual**. Booklet, 23 pp., 8½ x 11 ins. Illustrated. Valuable work on an important subject.
- Sonneborn Sons, Inc.**, L., 116 Fifth Ave., New York, N. Y.
Lapidolith, the liquid chemical hardener. Complete sets of specifications for every building type in which concrete floors are used, with descriptions and results of tests.

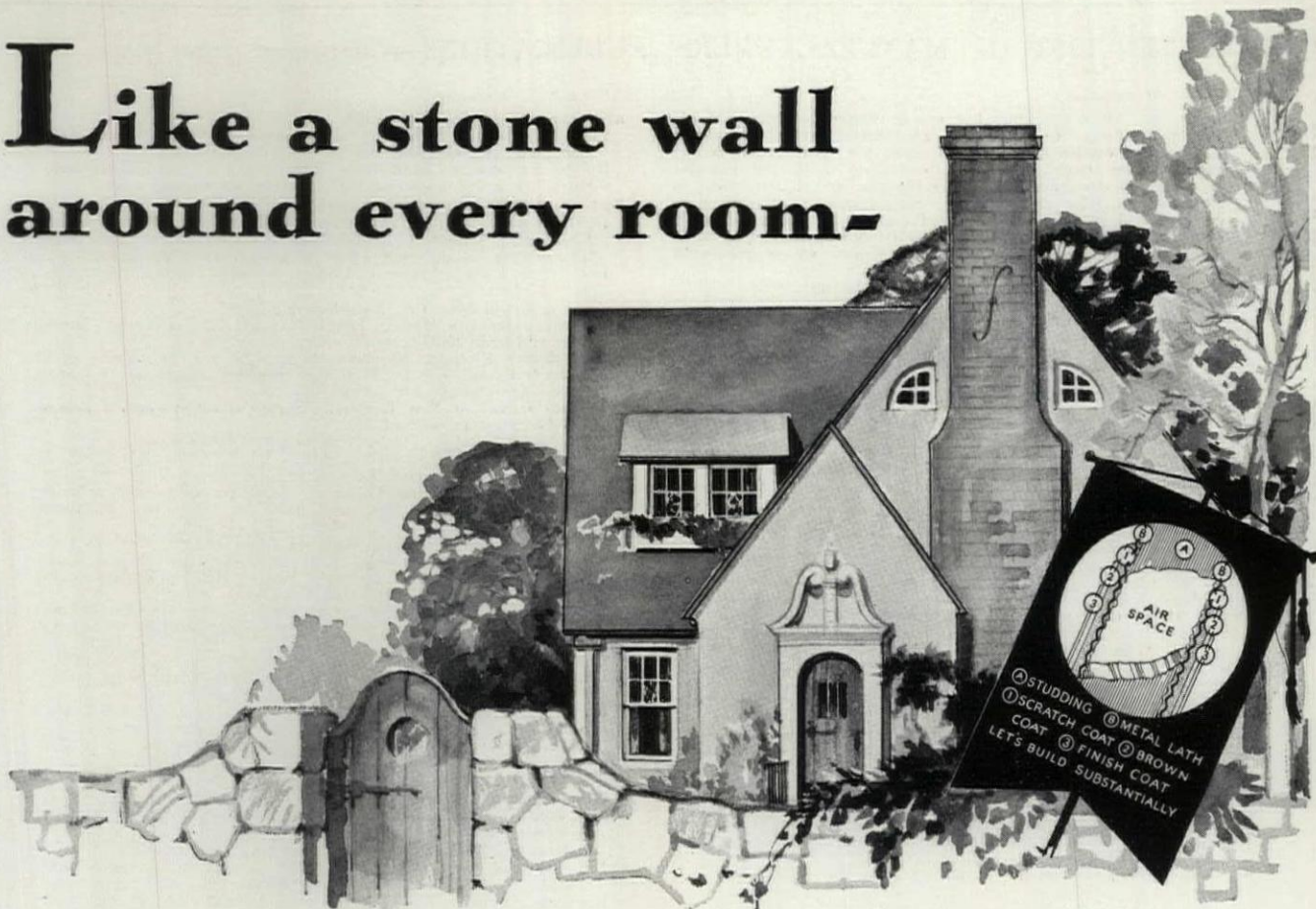
FLOORS—STRUCTURAL

- Truscon Steel Co.**, Youngstown, Ohio.
Truscon Floretype 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, 7¼ 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 linoleum floors.
- Armstrong's Linoleum Pattern Book**, 1927. Catalog, 3½ x 6 in. 272 pp. Color 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 Asphalt Co.**, Philadelphia.
Specifications for Applying Genasco Asphalt Mastic. Booklet 8 x 10½ ins. Directions for using Asphalt Mastic for flooring.
- Blabon Company, Geo. W.**, Nicetown, Philadelphia, Pa.
Planning the Color Schemes for Your Home. Brochure illustrated in color; 36 pp., 7¼ x 10½ ins. Gives excellent suggestions for use of color in flooring for houses and apartments.
- Handy Quality Sample Folder of Linoleums**. Gives actual samples 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 samples, 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.
- Treadtile (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 super-quiet, resilient floor.
- Practical working specifications for installing battleship linoleum, cork composition tile and cork tile. Resilient Floors in Schools. Resilient Floors in Stores. Resilient Floors in Hospitals. Resilient Floors in Offices. Resilient Floors in Apartments and Hotels**. Booklets, 8 pp., 8½ x 11 ins. Illustrated.
- Specifications for Resilient Floors**. Leather bound booklet, 48 pp., 8½ x 11 ins. Illustrated.
- 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 concrete, wood or steel construction, and advantages over loose wood blocks.

Like a stone wall around every room-



OUT of the rock—back into stone”—that’s the story of Banner Lime walls and ceilings. For Banner comes from enduring limestone—the finest deposit the world has ever known—and once built into the plastering of a home, *it reverts again to limestone!*

No wonder Soundproof Banner Lime plastering is substantial! It’s like a stone wall around every room. No

wonder it outlives architect and owner alike. It is trouble-free, and satisfying. Hard . . . dry . . . insulating . . . Soundproof! That’s Banner.

For substantial walls and ceilings in homes, apartments, hospitals, offices, churches—for full partition-protection—for improved acoustics—specify Banner Finishing Lime. Use it *three* coats deep.

National Mortar & Supply Company
FEDERAL RESERVE BUILDING PITTSBURGH, PA.
Charter Member Finishing Lime Association of Ohio



Banner Lime

IT'S ★SOUNDPROOFT

★For permanent economical wall and ceiling construction, Banner Lime plastering possesses sound-absorbing qualities to an unusual degree. Banner Hydrated Lime, due to its individual process, controls sound in proportion to the extent it is used.

SELECTED LIST OF MANUFACTURERS' PUBLICATIONS—Continued from page 74

FLOORING—Continued

- File Folder. $9\frac{1}{4} \times 11\frac{1}{4}$ 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.
- Albert Grauer & Co.**, 1408 Seventeenth St., Detroit, Mich.
Grauer-Watkins Red Asphalt Flooring. Folder, 4 pp., $8\frac{1}{2} \times 11$ ins. Data on a valuable form of flooring.
- Thomas Moulding Floor Co.**, 165 W. Wacker Drive, Chicago.
Better Floors. Folder, 4 pp., $11\frac{1}{4} \times 13\frac{3}{4}$ ins. Illustrated. Floors for office, administration and municipal buildings.
Better School Floors. Folder, 4 pp., $11\frac{1}{4} \times 13\frac{3}{4}$ ins. Illustrated. Characteristics, Specifications and Uses. Brochure, 16 pp., $11\frac{1}{4} \times 13\frac{3}{4}$ ins. Illustrated. Data on floors.
- W. & J. Sloane Mfg. Co.**, 577 Fifth Avenue, New York.
Linoleum Patterns. Brochure, 10 pp., $8\frac{1}{2} \times 11$ ins. Illustrated. Deals with fine assortment of floor coverings.
Linoleum Floors. Booklet, 42 pp., $8\frac{1}{2} \times 11$ ins. Illustrated. Linoleum Data and Specifications for Architects.
- Structural Gypsum Corporation**, Linden, N. J.
Gypsteel Pre-cast Fireproof Floors. Booklet, 36 pp., $8\frac{1}{2} \times 11$ ins. Illustrated. Data on floorings.
- U. S. Gypsum Co.**, Chicago.
Pyrobar Floor Tile. Folder, $8\frac{1}{2} \times 11$ 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., $8\frac{1}{2} \times 11$ ins. Illustrated. General catalog. Details of patterns and trim for floors.
- Art Portfolio of Floor Designs**, $9\frac{1}{4} \times 12\frac{1}{4}$ 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 fittings in carved wood.
Theatre Chairs. Booklet, 6 x 9 in. 48 pp. Illustrations of theater chairs.
- Kensington Mfg. 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., $6\frac{1}{4} \times 9\frac{1}{4}$ 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.
A Catalog of Kittinger Furniture. Booklet, 78 pp., 14 x 11 ins. Illustrated. General Catalog.
- McKinney Mfg. Co.**, Pittsburgh.
Forethought Furniture Plans. Sheets, $6\frac{1}{4} \times 9$ ins., drawn to $\frac{1}{4}$ -inch scale. An ingenious device for determining furniture arrangement.
- New York Galleries**, Madison Avenue and 48th Street, New York
A group of Distinguished Interiors. Brochure, 4 pp., $8\frac{1}{4} \times 11\frac{1}{4}$ ins. Filled with valuable illustrations.
- White Door Bed Company, The**, 130 North Wells St., Chicago, Ill.
Booklet, $8\frac{1}{2} \times 11$ in. 20 pp. Illustrated. Describes and illustrates the use of "White" Door Bed and other space-saving devices.

GARAGES

- Ramp Buildings Corporation**, 21 East 40th St., New York.
Building Garages for Profitable Operation. Booklet, $8\frac{1}{2} \times 11$ 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

- Adamson Flat Glass Co.**, Clarksburg, W. Va.
Quality and Dependability. Folder, 2 pp., $8\frac{1}{2} \times 11$ ins. Illustrated. Data in the company's product.
- Libbey-Owens Sheet Glass Co.**, Toledo, Ohio.
Flat Glass. Brochure, 11 pp., $5\frac{1}{2} \times 7\frac{1}{2}$ ins. Illustrated. History of manufacture of flat, clear, sheet glass.
- Mississippi Wire Glass Co.**, 220 Fifth Ave., New York.
Mississippi Wire Glass. Catalog, $3\frac{1}{2} \times 8\frac{1}{2}$ 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., $8\frac{1}{2} \times 11$ ins. Illustrated. Conservatories making use of Lutton Patented Galvanized Steel V-Bar.

HARDWARE

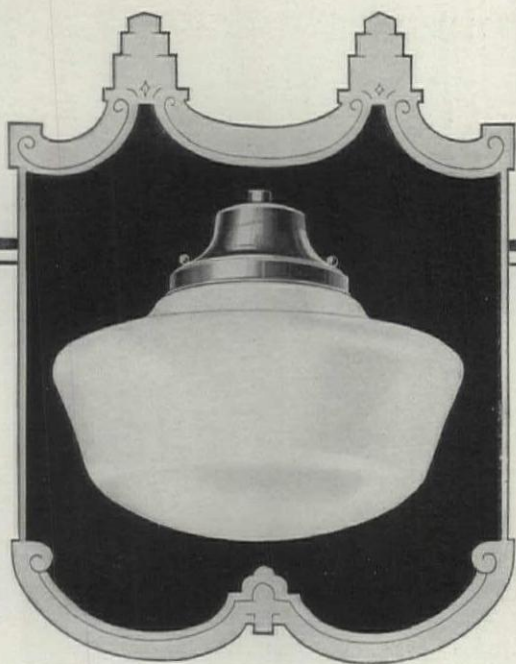
- P. & F. Corbin**, New Britain, Conn.
Early English and Colonial Hardware. Brochure, $8\frac{1}{2} \times 11$ ins. An important illustrated work on this type of hardware.
Locks and Builders' Hardware. Bound Volume, 486 pp., $8\frac{1}{2} \times 11$ ins. An exhaustive, splendidly prepared volume.
- Cutler Mail Chute Company**, Rochester, N. Y.
Cutler Mail Chute Model F. Booklet, 4 x $9\frac{1}{4}$ in. 8 pp. Illustrated.

HARDWARE—Continued

- 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, Ill.
Distinctive Garage Door Hardware. Booklet, $8\frac{1}{2} \times 11$ 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., $16 \times 10\frac{1}{2}$ ins. Illustrated.
- Russell & Erwin Mfg. Co.**, New Britain, Conn.
Hardware for the Home. Booklet, 24 pp., $3\frac{1}{2} \times 6$ ins. Deals with residence hardware.
Door Closer Booklet. Brochure, 16 pp., $3\frac{1}{2} \times 6$ ins. Data on a valuable detail. Garage Hardware Booklet, 12 pp., $3\frac{1}{2} \times 6$ ins. Hardware intended for garage use.
Famous Homes of New England. Series of folders on old homes and hardware in style of each.

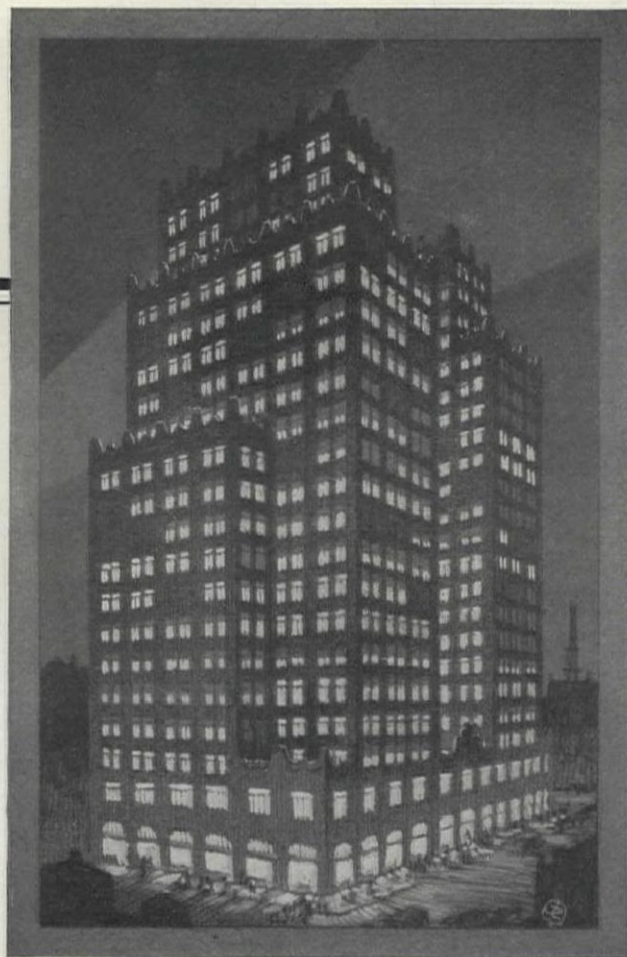
HEATING EQUIPMENT

- American Blower Co.**, 6004 Russell St., Detroit.
Heating and Ventilating Utilities. A binder containing a large number of valuable publications, each $8\frac{1}{2} \times 11$ ins., on these important subjects.
- American Radiator Company, The**, 40 West 40th St., N. Y. C.
Ideal Boilers for Oil Burning. Catalog $5\frac{1}{4} \times 8\frac{1}{2}$ in. 36 pp. Illustrated in 4 colors. Describing a line of Heating Boilers especially adapted to use with Oil Burners.
Corto—The Radiator Classic. Brochure $5\frac{1}{4} \times 8\frac{1}{2}$ in. 16 pp. Illustrated. A brochure on a space-saving radiator of beauty and high efficiency.
Ideal Arcola Radiator Warmth. Brochure $6\frac{1}{4} \times 9\frac{1}{4}$. Illustrated. Describes a central all-on-one-floor heating plant with radiators for small residences, stores, and offices.
How Shall I Heat My Home? Brochure, 16 pp., $5\frac{1}{4} \times 8\frac{1}{2}$ ins. Illustrated. Full data on heating and hot water supply.
New American Radiator Products. Booklet, 44 pp., $5 \times 7\frac{1}{4}$ ins. Illustrated. Complete line of heating products.
- James B. Clow & Sons**, 534 S. Franklin St., Chicago.
Clow Gasteam Vented Heating System. Brochure, 24 pp., $8\frac{1}{2} \times 11$ ins. Illustrated. Deals with a valuable form of heating equipment for using gas.
- C. A. Dunham Company**, 450 East Ohio St., Chicago, Ill.
Dunham Radiator Trap. Bulletin 101, 8 x 11 in. 12 pp. Illustrated. Explains working of this detail of heating apparatus.
Dunham Packless Radiator Valves. Bulletin 104, 8 x 11 in. 8 pp. Illustrated. A valuable brochure on valves.
Dunham Return Heating System. Bulletin 109, 8 x 11 ins. Illustrated. Covers the use of heating apparatus of this kind.
Dunham Vacuum Heating System. Bulletin 110, 8 x 11 ins. 12 pp. Illustrated.
The Dunham Differential Vacuum Heating System. Bulletin 114. Brochure, 8 pp., 8 x 11 ins. Illustrated. Deals with heating for small buildings.
The Dunham Differential Vacuum Heating System. Bulletin 115. Brochure, 12 pp., 8 x 11 ins. Illustrated. Deals with heating for large buildings.
- Excelso Products Corporation**, 119 Clinton St., Buffalo, N. Y.
Excelso Water Heater. Booklet, 12 pp., 3 x 6 in. Illustrated. Describing the new Excelso method of generating domestic hot water in connection with heating boilers. (Firepot Coil eliminated.)
- The Fulton Sylphon Company**, Knoxville, Tenn.
Sylphon Temperature Regulators. Illustrated brochures, $8\frac{1}{2} \times 11$ ins., dealing with general architectural and industrial applications; also specifically with applications of special instruments.
Sylphon Heating Specialties. Catalog No. 200, 192 pp., $3\frac{1}{2} \times 6\frac{1}{4}$ ins. Important data on heating.
- Illinois Engineering Co.**, Racine Ave., at 21st St., Chicago, Ill.
Vapor Heat Bulletin 21. $8\frac{1}{2} \times 11$ ins. 32 pp. Illustrated. Contains new and original data on Vapor Heating. Rules for computing radiation, pipe sizes, radiator tappings. Steam table showing temperature of steam and vapor at various pressures, also description of Illinois Vapor Specialties.
- S. T. Johnson Co.**, Oakland, Calif.
Bulletin No. 4A. Brochure, 8 pp., $8\frac{1}{2} \times 11$ ins. Illustrated. Data on different kinds of oil-burning apparatus.
Bulletin No. 31. Brochure, 8 pp., $8\frac{1}{2} \times 11$ ins. Illustrated. Deals with Johnson Rotary Burner With Full Automatic Control.
- Kewanee Boiler Corporation**, Kewanee, Ill.
Kewanee on the Job. Catalog, $8\frac{1}{2} \times 11$ ins. 80 pp. Illustrated. Showing installations of Kewanee boilers, water heaters, radiators, 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.**, Milwaukee.
MILVACO Vacuum & Vapor Heating System. Nine 4-p. bulletins, $8\frac{1}{2} \times 11$ ins. Illustrated. Important data on heating.
MILVACO Vacuum & Vapor Heating Specialties. Nine 4-p. bulletins, $8\frac{1}{2} \times 11$ ins. Illustrated. Deal with a valuable line of specialties used in heating.
- Modine Mfg. Company**, Racine, Wis.
Thermomine Unit Heater. Brochure, 24 pp., $8\frac{1}{2} \times 11$ ins. Illustrated. Apparatus for industrial heating and drying.
Thermomine Cabinet Heater. Booklet, 12 pp., $8\frac{1}{2} \times 11$ ins. Illustrated. Cabinet heaters to buildings of different kinds.



*The
Shadow
Chasers*

Monax Globe No. 5297 installed in the Missouri-Pacific Building



Missouri-Pacific Railway Building, St. Louis, Mo. Plans and Specifications by E. M. Tucker. Missouri-Pacific Ry., Department of Architecture, Mauran, Russell & Crowell, St. Louis, Associate Architects.

MONAX

for Efficient, Economical Lighting

"LIGHT must be restful to the eyes and nerves, plentiful, efficient, economical." So specified the architectural department of the Missouri-Pacific Railroad for that railroad's new general office building in St. Louis. As the Missouri-Pacific was to be its own tenant, it chose with care, and 3,500 Monax Globes were installed.

There is much night work in a railroad office, and employees appreciated the gentle yet abundant flood of light shed by Monax Globes. They appreciated, too, the absence of glare—even when a Monax Globe comes directly in the line of vision,

there is no eye strain. Sharp shadows, too, are lacking, because of the thorough diffusion of light by Monax Glass.

Monax Globes are economical to maintain—dust will not cling. They are economical of wattage as they absorb scarcely any light.

Architects are urged to submit their lighting problems to the Macbeth Illuminating Engineers. Valuable help in designing and installing lighting systems is gladly given without cost to architects and building managers. Macbeth-Evans Glass Co., Department J, Charleroi, Pa.

MONAX GLOBES

for Better Lighting



SELECTED LIST OF MANUFACTURERS' PUBLICATIONS—Continued from page 76

HEATING EQUIPMENT—Continued

- Molby Boiler Co., Inc.**, New York and Lansdale, Pa.
Molby Heating Boiler. Booklet, 24 pp., 4 x 9 ins. Illustrated. Deals with well known line of boilers.
- Chimney Construction**. Booklet, 26 pp., 6 x 9 ins. Data recommended by National Board of Fire Underwriters.
- Nash Engineering Company**, South Norwalk, Conn.
No. 37. Devoted to Jennings Hytor Return Line Vacuum Heating Pumps, electrically driven, and supplied in standard sizes up to 300,000 square feet equivalent direct radiation.
- No. 16. Dealing with Jennings Hytor Air Line Heating Pumps.
- No. 17. Describing Jennings Hytor Condensation Pumps, sizes up to 70,000 square feet equivalent direct radiation.
- No. 25. Illustrating Jennings Return Line Vacuum Heating Pumps. Size M, for equivalent direct radiation up to 5,000 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. Six Great Companies Unite to Form a Great Corporation. Booklet, 27 pp., 8½ x 10½ ins. Illustrated. Valuable data on heating.
- 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 reprint from Heating and Ventilating Magazine.
- Reznor Mfg. Co.**, Mercer, Pa.
Heating by the Ultimate Method. Folder, 4 pp., 8½ x 11 ins. Illustrated. Data on gas heating.
- 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.
- How to Cut Heating Costs. Booklet, 18 pp., 8½ x 11 ins. Illustrated.

HOSPITAL 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, 8½ 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 9½ 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

- Home Incinerator Co.**, Milwaukee, Wis.
The Decent Way. Brochure, 30 pp., 5¼ x 7¼ ins. Illustrated. Equipment for residence use.
- A. I. A. File. 12 pp., 8¾ x 10¾ ins. Specifications for incinerators.
- 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. Describes principles and design of Kernerator Chimney-fed Incinerators 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 Kernerator for residences.
- Garbage and Waste Disposal for Apartment Buildings, folder, 8½ x 11 ins. 8 pp. Illustrated. Describes principle and design 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.

INSULATING LUMBER

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

INSULATION

- 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.
- Filing 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., 9¼ x 11¼ 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.
- Philip Carey Co.**, The, Cincinnati, Ohio.
Carey Asbestos and Magnesite 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 ins. Illustrated. On insulating boiler walls, breechings, and stacks to reduce amount of radiation.
- Sil-O-Cel Insulation Materials and Allied Products. Brochure, 16 pp., 8½ x 11 ins. Illustrated. Important data on insulation.
- Heat Insulating Specifications and Blue Prints. Booklet, 20 pp., 8½ x 11 ins. Illustrated. On approved types of insulation.
- 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 specifications.
- 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

- The International Nickel Company**, 67 Wall St., New York, N. Y.
Hotels, Restaurants and Cafeteria Applications of Monel Metal. Booklet. 8½ 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.
- File Folder. Service sheets and specifications useful in preparing kitchen layouts.
- Domestic Science Kitchen Units. Brochure, 8 pp., 8½ x 11 ins. Illustrated. Deals with flexible line of kitchen equipment.
- Pick & Company, Albert**, 208 W. Randolph St., Chicago, Ill.
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 installation and plans for standardized outfits.

LABORATORY EQUIPMENT

- Alberene Stone Co.**, 153 West 23rd Street, New York City.
Booklet 8½ 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, 8½ x 11 ins., 20 pp. Full details regarding a valuable form of piping.

LANTERNS

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

LATH, 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. 7¼ x 10¼ 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.
- Steeltex Data Sheet No. 1. Folder. 8 pp. 8½ x 11 ins. Illustrated. Steeltex for floors on steel joists with round top chords.
- Steeltex Data Sheet No. 2. Folder. 8 pp. 8½ x 11 ins. Illustrated. Steeltex for floors on steel joists with flat top flanges.
- Steeltex Data Sheet No. 3. Folder. 8 pp. 8½ x 11 ins. Illustrated. Steeltex for folders on wood joists.
- Northwestern Expanded Metal Co.**, 1234 Old Colony Building, Chicago, Ill.
Northwestern Expanded Metal Products. Booklet, 8½ x 10¼ 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. Illustrated. Deals with a new type of V-Rib expanded metal.
- A. I. A. Sample Book. Bound volume, 8½ x 11 ins. Contains actual samples of several materials and complete data regarding their use.

Smyser-Royer Fixtures

Grow Old Gracefully



No. 299
Scale $1\frac{1}{2}"=1'0"$
 $3'7\frac{1}{2}"$ high
overall.



EVERY architect has experienced the disappointment of seeing the exterior lighting fixtures, which looked so fine on the newly completed job, quickly rust and fade away.

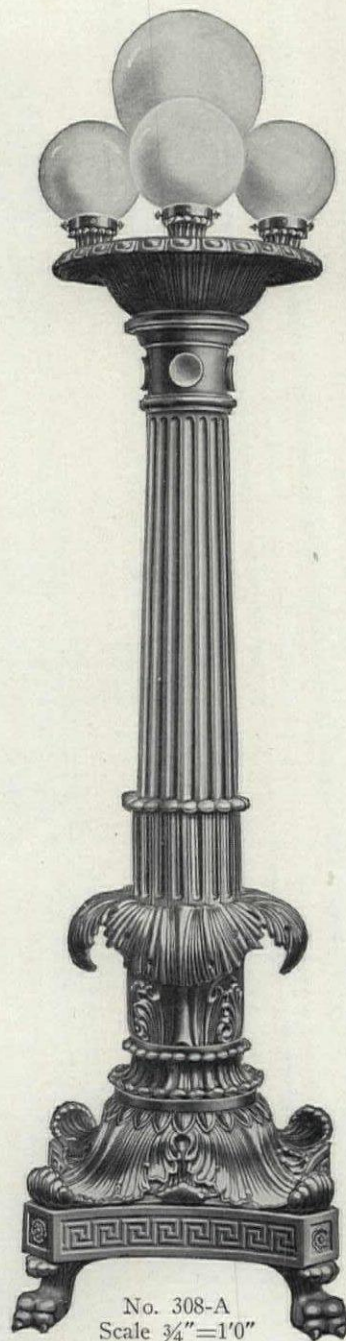
In many cases the replacements were not in harmony with the original scheme and their glaring newness gave a blatant note of discord. The exterior fixtures should grow old with the building and fade as gracefully. For that reason Smyser-Royer builds into all their exterior lighting fixtures a rugged durability that sets up the detail beauty as a permanent tribute to the architect's genius and Smyser-Royer craftsmanship.

Lamp Posts • Lanterns • Brackets

SMYSER-ROYER COMPANY

Main Office and Works: YORK, PA.

PHILADELPHIA OFFICE: 1700 WALNUT ST.



No. 308-A
Scale $\frac{3}{4}"=1'0"$
 $7'0\frac{1}{4}"$ high to bottom
of upper globe
Base, $2'4" \times 2'4"$

SELECTED LIST OF MANUFACTURERS' PUBLICATIONS—Continued from page 78

LATH, METAL AND REINFORCING—Continued

Norwest Metal Lath. Folder. $8\frac{1}{2}$ x 11 ins. Illustrated. Data on Flat Rib Lath.

Truscon Steel Company, Youngstown, Ohio.

Truscon $\frac{3}{4}$ -inch Hy-Rib for Roofs, Floors and Walls. Booklet, $\frac{1}{2}$ x 11 ins., illustrating Truscon $\frac{3}{4}$ -inch Hy-Rib as used in industrial buildings. Plates of typical construction. Progressive steps of construction. Specification and load tables.

LAUNDRY CHUTES

The Pfaudler Company, 217 Cutler Building, Rochester, N. Y.

Pfaudler Glass-Lined Steel Laundry Chutes. Booklet, $5\frac{1}{2}$ x $7\frac{3}{4}$ ins. 16 pp. Illustrated. A beautifully printed brochure describing in detail with architects' specifications THE PFAUDLER 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., $8\frac{1}{2}$ x 11 ins. Valuable data regarding an important subject.

LIBRARY EQUIPMENT

Art Metal Construction Co., Jamestown, N. Y.

Planning the Library for Protection and Service. Brochure, 52 pp. $8\frac{1}{2}$ 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.

LIGHTING EQUIPMENT

The Frink Co., Inc., 24th St. and 10th Ave., New York City.

Catalog 415, $8\frac{1}{2}$ x 11 ins. 46 pp. Photographs and scaled cross-sections. Specialized bank lighting, screen and partition reflectors, double and single desk reflectors and Polarite Signs.

Gleason-Tiebout Glass Co. (Celestialite Division), 200 Fifth Avenue, New York.

Next to Daylight Brochure, 19 pp., 4 x $8\frac{1}{2}$ ins. Illustrated. Deals with a valuable type of lighting fixture.

Celestialite Circular No. 40. Folder, 4 pp., $3\frac{1}{2}$ x 6 ins. "What Nature does to the Sun, Celestialite does to the Mazda lamp." Attractive Units in Celestialite. Folder, 12 pp., $3\frac{1}{4}$ x $6\frac{1}{2}$ ins. Illustrates Decoratd Celestialite Units.

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, illustrated, giving data on over 300 designs of standards, lanterns and brackets of bronze or cast iron.

LUMBER

National Lumber Mfrs. Assn., Washington, D. C.

Use of Lumber on the Farm. Booklet, 38 pp., $8\frac{1}{2}$ x 11 ins. Illustrated.

MAIL CHUTES

Cutler Mail Chute Company, Rochester, N. Y.

Cutler Mail Chute Model F. Booklet, 4 x $9\frac{1}{4}$ ins. 8 pp. Illustrated.

MANTELS

Arthur Todhunter, 119 E. 57th St., New York, N. Y.

Georgian Mantels. New Booklet, 24 pp., $5\frac{1}{4}$ x $6\frac{1}{4}$ 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, $3\frac{3}{4}$ x 6 ins. Gives analysis, physical qualities, comparison of absorption with granite, opinions of authorities, etc.

Convincing Proof. $3\frac{3}{4}$ x 6 in. 8 pp. Classified list of buildings and memorials in which Georgia Marble has been used, with names of Architects and Sculptors.

Hurt Building, Atlanta; Senior High School and Junior College, Muskegon, Mich. Folders, 4 pp. $8\frac{1}{2}$ x 11 ins. Details.

METALS

The International Nickel Company, 67 Wall St., New York, N. Y.

The Choice of a Metal. Booklet, $6\frac{1}{4}$ x 3 ins. 166 pp. Illustrated. 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 $11\frac{1}{4}$ 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, $19\frac{1}{2}$ x $23\frac{1}{2}$ 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, $7\frac{1}{2}$ 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, $7\frac{1}{2}$ x 10 ins. 64 pp. Illustrated. Contains illustrations of pergola lattices, garden furniture in wood and cement, garden accessories.

Roddis Lumber and Veneer Co., Marshfield, Wis.

Roddis Doors. Brochure, 24 pp., $5\frac{1}{4}$ x $8\frac{1}{2}$ ins. Illustrated price list of doors for various types of buildings.

MILL WORK—Continued

Roddis Doors, Catalog G. Booklet, 183 pp., $8\frac{1}{2}$ x 11 ins. Completely covers the subject of doors for interior use.

Roddis Doors for Hospitals. Brochure, 15 pp., $8\frac{1}{2}$ x 11 ins. Illustrated work on hospital doors.

Roddis Doors for Hotels. Brochure, 15 pp., $8\frac{1}{2}$ x 11 ins. Illustrated work on doors for hotel and apartment buildings.

MORTAR AND CEMENT COLORS

Clinton Metallic Paint Co., Clinton, N. Y.

Clinton Mortar Colors. Folder, $8\frac{1}{2}$ x 11 ins. 4 pp. Illustrated in color, gives full information concerning Clinton Mortar Colors with specific instructions for using them.

Color Card. $6\frac{1}{2}$ x $3\frac{1}{4}$ ins. Illustrates in color the ten shades in which Clinton Mortar Colors are manufactured.

Something new in Stucco. Folder, $3\frac{1}{2}$ x 6 ins. An interesting folder on the use of coloring matter for stucco-coated walls.

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 important work on decorative plaster ceilings.

PAINTS, STAINS, VARNISHES AND WOOD FINISHES

Cabot, Inc., Samuel, Boston, Mass.

Cabot's Creosote Stains. Booklet. 4 x $8\frac{1}{2}$ ins. 16 pp. Illustrated.

National Lead Company, 111 Broadway, New York, N. Y.

Handy Book on Painting. Book, $5\frac{1}{2}$ x $3\frac{1}{4}$ in. 100 pp. Gives directions and formulae for painting various surfaces of wood, plaster, metals, etc., both interior and exterior.

Red Lead in Paste Form. Booklet, $6\frac{1}{4}$ x $3\frac{1}{2}$ in. 16 pp. Illustrated. Directions and formulae for painting metals.

Came Lead. Booklet, $8\frac{3}{4}$ x 6 in. 12 pp. Illustrated. Describes various styles of lead comes.

Cinch Anchoring Specialties. Booklet. 6 x $3\frac{1}{2}$ ins. 20 pp. Illustrated. Describes complete line of expansion bolts.

Pratt & Lambert, Inc., Buffalo, N. Y.

Specification Manual for Paint, Varnishing and Enameling. Booklet, 38 pp., $7\frac{1}{2}$ x $10\frac{1}{2}$ ins. Complete specifications for painting, varnishing and enameling interior and exterior wood, plaster, and metal work.

Sherwin-Williams Company, 601 Canal Rd., Cleveland, Ohio.

Painting Concrete and Stucco Surfaces. Bulletin No. 1. $8\frac{1}{2}$ 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.

Enamel Finish for Interior and Exterior Surfaces. Bulletin No. 2. $8\frac{1}{2}$ x 11 ins. 12 pp. Illustrated. Thorough discussion, including complete specifications for securing the most satisfactory enamel finish on interior and exterior walls and trim.

Painting and Decorating of Interior Walls. Bulletin No. 3. $8\frac{1}{2}$ x 11 ins. 20 pp. Illustrated. An excellent reference book on Flat Wall Finish, including texture effects, which are taking the country by storm. Every architect should have one on file.

Protective Paints for Metal Surfaces. Bulletin No. 4. $8\frac{1}{2}$ x 11 in. 12 pp. Illustrated. A highly technical subject treated in a simple, understandable manner.

Sonneborn Sons, Inc., L., Dept. 4, 116 Fifth Ave., New York.

Paint Specifications. Booklet, $8\frac{1}{2}$ x $10\frac{1}{4}$ ins. 4 pp.

U. S. Gutta Percha Paint Co., Providence, R. I.

Barreled Sunlight. Booklet, $8\frac{1}{2}$ x 11 in. Data on "Barreled Sunlight" with specifications for its use.

Valentine & Co., 456 Fourth Ave., New York.

How to Use Valspar. Illustrated booklet, 32 pp., $3\frac{3}{4}$ x 8 ins. Deals with domestic uses for Valspar.

How to Keep Your House Young. Illustrated brochure, 23 pp., 7 x $8\frac{1}{2}$ ins. A useful work on the upkeep of residences.

Zapon Co., The, 247 Park Ave., New York City.

Zapon Architectural Specifications. Booklet, 28 pp., $8\frac{1}{2}$ x 11 ins. Describes odorless brushing and spraying lacquers and lacquer enamels.

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

Circle A Products Corporation, New Castle, Ind.

Circle A Partitions Sectional and Movable. Brochure. Illustrated. $8\frac{1}{2}$ x $11\frac{1}{4}$ 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, $8\frac{1}{2}$ 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. $8\frac{1}{4}$ x 11 ins. 14 pp. Illustrated. Shows typical offices laid out with Telesco partitions, cuts of finished partition units in various woods. Gives specifications and cuts of buildings using Telesco.

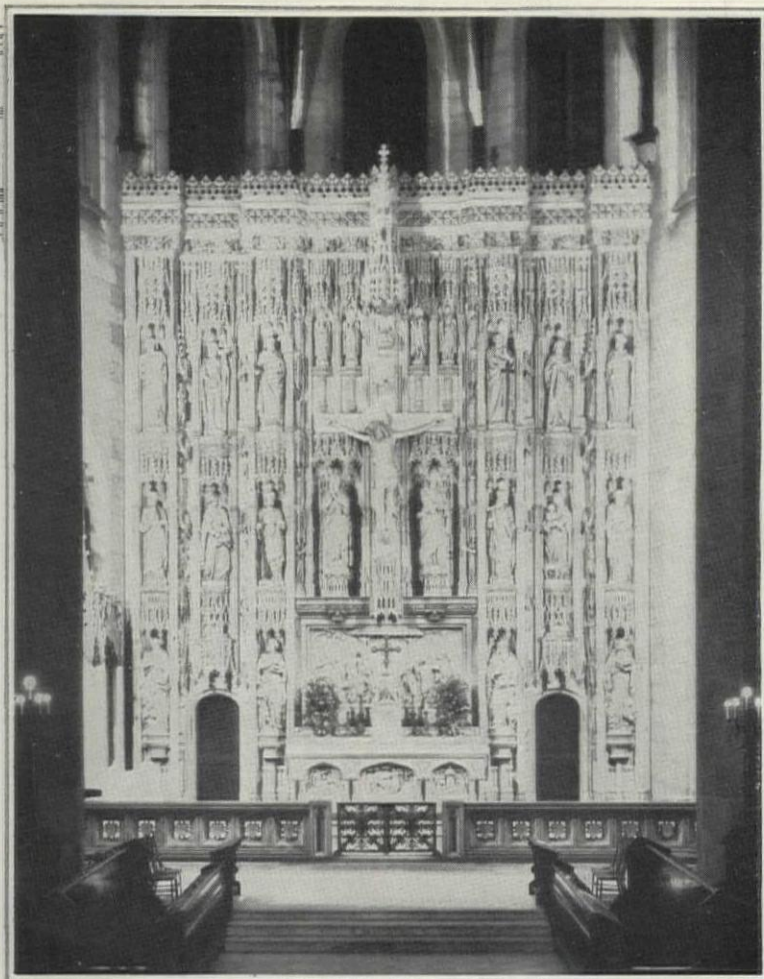
Detailed Instructions for erecting Telesco Partitions. Booklet. 24 pp. $8\frac{1}{2}$ x 11 ins. Illustrated. Complete instructions, with cuts and drawings, showing how easily Telesco Partition can be erected.

Richards-Wilcox Mfg. Co., Aurora, Ill.

Partitions. Booklet. 7 x 10 ins. 32 pp. Illustrated. Describes complete line of track and hangers for all styles of sliding parallel, accordion and flush door partitions.

U. S. Gypsum Co., Chicago.

Pyrobar Partition and Furring Tile. Booklet. $8\frac{1}{2}$ x 11 ins. 24 pp. Illustrated. Describes use and advantages of hollow tile for inner partitions.



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IT WAS the oft-repeated story of “ancient lights” darkened by modern walls—church windows shadowed by great business buildings.

The exquisitely elaborated altar and reredos in Christ Church Cathedral, St. Louis, were but dimly visible on the brightest day. Their glory was gone.

The problem was to light the sanctuary effectually but without glare—to give proper

effect to its artistic and architectural values but to preserve the fine spirit of reverence; the dignity and the religious appeal.

This result was obtained only when electric floodlights were installed—four projectors concealed within the sanctuary arch. Under the even, soft illumination diffused through stippled glass, the altar and reredos have been restored to their proper office in the church as a devout and visible expression of its worship.



Lighting specialists of the General Electric Company recommended the floodlighting installation in Christ Church Cathedral.

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SELECTED LIST OF MANUFACTURERS' PUBLICATIONS—Continued from page 80

PIPE

- American Brass Company**, Waterbury, Conn.
Bulletin B-1. Brass Pipe for Water Service. $8\frac{1}{2}$ 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 ARMO Dredging Products Cut Costs. Booklet, 16 pp., 6 x 9 ins. Data on dredging pipe.
- Clow & Sons, James B.**, 534 S. Franklin St., Chicago, Ill.
Catalog "A." 4 x $16\frac{1}{2}$ 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 $7\frac{1}{2}$ ins. Data on wrought iron pipe.
- Duriron Company**, Inc., Dayton, Ohio.
Duriron Acid, Alkali, Rust-proof Drain Pipe and Fittings. Booklet, 20 pp., $8\frac{1}{2}$ 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, $8\frac{1}{2}$ 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.
- "National" Bulletin No. 3. The Protection of Pipe Against Internal Corrosion, $8\frac{1}{2}$ x 11 ins. 20 pp. Illustrated. Discusses various causes of corrosion, and details are given of the deactivating and deaerating systems for eliminating or retarding corrosion in hot water supply lines.
- "National" Bulletin No. 25. "National" Pipe in Large Buildings. $8\frac{1}{2}$ x 11 ins. 88 pp. This bulletin contains 254 illustrations 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. $8\frac{1}{2}$ 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., $3\frac{1}{2}$ x $5\frac{1}{2}$ ins. A small manual for use of plasterers.
- Interior Walls Everlasting. Brochure, 20 pp., $6\frac{1}{4}$ x $9\frac{1}{4}$ ins. Illustrated. Describes origin of Keene's Cement and views of buildings in which it is used.

PLUMBING EQUIPMENT

- C. F. Church Mfg. Co.**, Holyoke, Mass.
Catalog S. W.-3. Booklet, 95 pp., $7\frac{3}{4}$ x $10\frac{1}{2}$ ins. Illustrated. Data on Sani-White and Sani-Black toilet seats.
- Clow & Sons, James B.**, 534 S. Franklin St., Chicago, Ill.
Catalog "M." $9\frac{1}{4}$ 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 $6\frac{1}{2}$ ins. 34 pp. Illustrated.
- Planning the Small Bathroom. Booklet. 5 x 8 ins. Discusses planning bathrooms of small dimensions.
- John Douglas Co.**, Cincinnati, Ohio.
Douglas Plumbing Fixtures. Bound Volume. 200 pp. $8\frac{1}{2}$ x 11 ins. Illustrated. General catalog.
- Another Douglas Achievement. Folder. 4 pp. $8\frac{1}{2}$ x 11 ins. Illustrated. Data on new type of stall.
- Hospital. Brochure. 60 pp. $8\frac{1}{2}$ x 11 ins. Illustrated. Deals with fixtures for hospitals.
- Duriron Company**, Dayton, Ohio.
Duriron Acid, Alkali and Rust-Proof Drain Pipe and Fittings. Booklet, $8\frac{1}{2}$ x 11 ins., 20 pp. Full details regarding a valuable form of piping.
- Eljer Company**, Ford City, Pa.
Complete Catalog. $3\frac{3}{4}$ x $6\frac{1}{4}$ ins. 104 pp. Illustrated. Describes fully the complete Eljer line of standardized vitreous china plumbing fixtures, with diagrams, weights and measurements.
- Imperial Brass Mfg. Co.**, 1200 W. Harrison St., Chicago, Ill.
Watrous Patent Flush Valves, Duojet Water Closets, Liquid Soap Fixtures, etc. $8\frac{1}{2}$ x 11 ins., 136 pp., loose-leaf catalog, showing roughing-in measurements, etc.
- Maddock's Sons Company**, Thomas, Trenton, N. J.
Catalog "K." $10\frac{1}{4}$ x $7\frac{1}{2}$ ins. 242 pp. Illustrated. Complete data on vitreous china plumbing fixtures with brief history of Sanitary Pottery.
- Speakman Company**, Wilmington, Del.
Catalog K. Booklet, 150 pp., $8\frac{1}{2}$ x $10\frac{1}{4}$ ins. Illustrated. Data on showers and equipment details.

PUMPS

- Chicago Pump Company**, 2300 Wolfram St., Chicago, Ill.
The Correct Pump to Use. Portfolio containing handy data. Individual bulletins, $8\frac{1}{2}$ x 11 ins., on bilge, sewage, condensation, circulating, house, boiler feed and fire pumps.
- Kewanee Private Utilities Co.**, 442 Franklin St. Kewanee, Ill.
Bulletin E. $7\frac{3}{4}$ x $10\frac{1}{4}$ ins. 32 pp. Illustrated. Catalog. Complete 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. $3\frac{3}{4}$ x 8 ins. 16 pp. Complete data on an important type of pump.

PUMPS—Continued

- Weil Pump Co.**, 215 W. Superior St., Chicago.
Pumps. Booklet, $8\frac{1}{2}$ x 11 ins. Illustrated. Individual bulletins with specifications on sewage ejectors, and bilge, house, condensation, booster and boiler feed pumps.

RAMPS

- Ramp Buildings Corporation**, 21 East 40th St., New York.
Building Garages for Profitable Operation. Booklet. $8\frac{1}{2}$ 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.

REFRIGERATION

- The Fulton Syphon Company**, Knoxville, Tenn.
Temperature Control of Refrigeration Systems. Booklet, 8 pp., $8\frac{1}{2}$ x 11 ins. Illustrated. Deals with cold storage, chilling of 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. $8\frac{1}{2}$ 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. $8\frac{1}{2}$ 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 $\frac{3}{4}$ -inch Rib Lath. Folder 4 pp., $8\frac{1}{2}$ x 11 ins. Illustrated. Deals with a new type of V-Rib expanded metal.

ROOFING

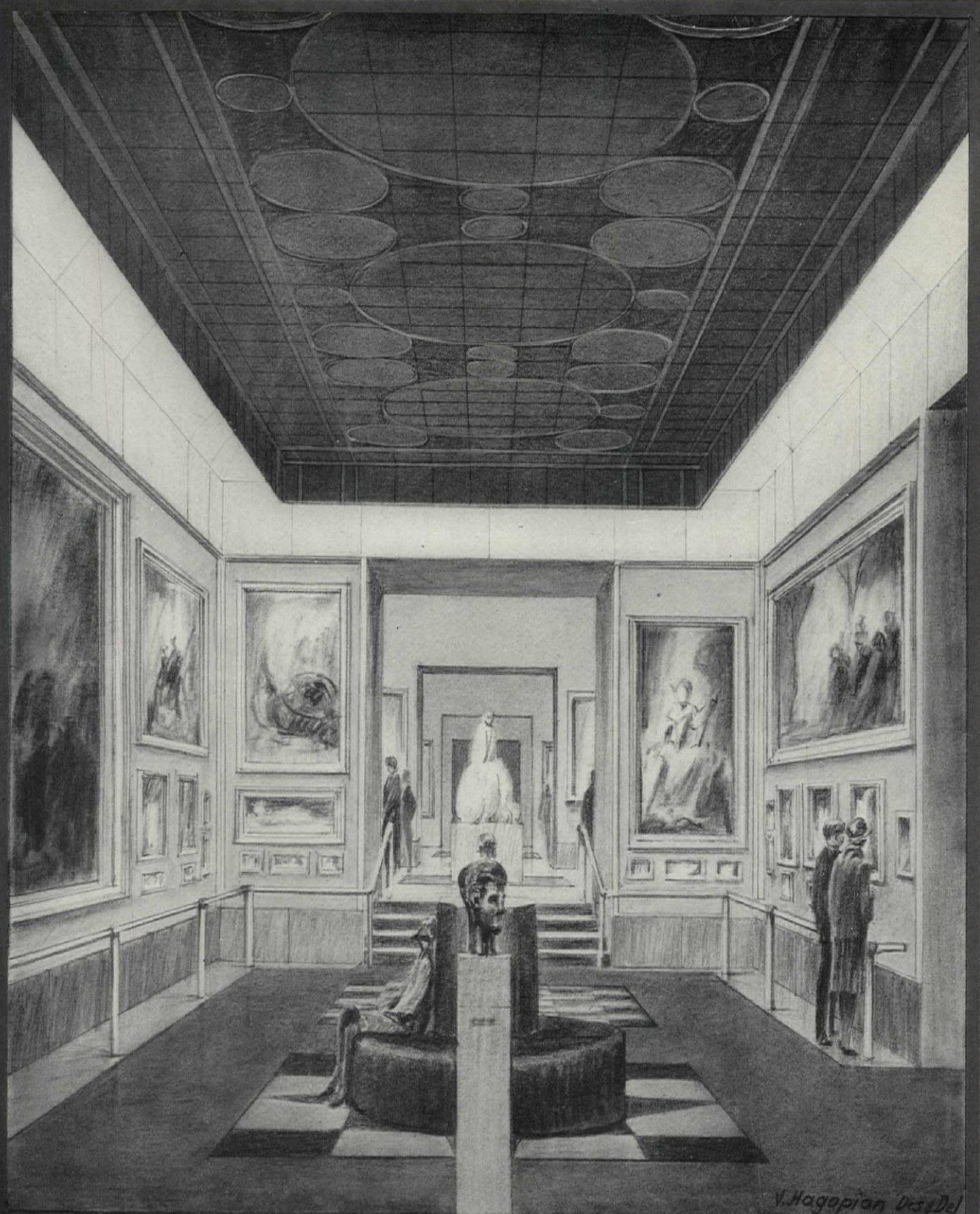
- Barber Asphalt Co.**, Philadelphia, Pa.
Specifications, Genasco Standard Trinidad Lake Asphalt Built-up Roofing. Booklet. 8 x $10\frac{1}{2}$ ins. Gives specifications for use of several valuable roofing and waterproofing materials.
- The Barrett Company**, 40 Rector St., New York City.
Architects' and Engineers' Built-up Roofing Reference Series: Volume IV Roof Drainage System. Brochure. 63 pp. $8\frac{1}{2}$ x $11\frac{1}{4}$ ins. Gives complete data and specifications for many details of roofing.
- Bird & Son, Inc.**, E. Walpole, Mass.
Bird's Roofs. Folder, 16 pp., $3\frac{1}{2}$ x 6 ins. Illustrated. Data of roofing materials.
- Philip Carey Co.**, Lockland, Cincinnati, Ohio.
Architects Specifications for Carey Built-up Roofing. Booklet. 8 x $10\frac{1}{4}$ 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 $10\frac{1}{4}$ ins. 32 pp. Illustrated. A study of school buildings of a number of different kinds and the roofing materials adapted for each.
- Heinz Roofing Tile Co.**, 1925 West Third Avenue, Denver.
Plymouth-Shingle Tile with Sprocket Hips. Leaflet, $8\frac{1}{2}$ x 11 ins. Illustrated. Shows use of English shingle tile with special hips.
- Italian Promenade Floor Tile. Folder, 2 pp., $8\frac{1}{2}$ x 11 ins. Illustrated. Floor tiling adapted from that of Davanzati Palace.
- Mission Tile. Leaflet, $8\frac{1}{2}$ x 11 ins. Illustrated. Tile such as are used in Italy and southern California.
- Georgian Tile. Leaflet, $8\frac{1}{2}$ x 11 ins. Illustrated. Tiling as used in old English and French farmhouses.
- Ludowici-Celadon Company**, 104 So. Michigan Ave., Chicago, Ill.
"Ancient" Tapered Mission Tiles. Leaflet. $8\frac{1}{2}$ 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., $8\frac{3}{4}$ x 11 ins. Important data on the subject.
- Gypsteel Pre-cast Fireproof Roofs. Booklet, 48 pp., $8\frac{1}{2}$ 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. Illustrated. Gives valuable data on the use of tile in roof construction.
- Sheetrock Pyrofill Roof Construction. Folder. $8\frac{1}{2}$ 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 $8\frac{1}{2}$ ins. 24 pp. Illustrated. Covers complete line of chains.

SEWAGE DISPOSAL

- Kewanee Private Utilities**, 442 Franklin St., Kewanee, Ill.
Specification Sheets. $7\frac{3}{4}$ x $10\frac{1}{4}$ ins. 40 pp. Illustrated. Detailed drawings and specifications covering water supply and sewage disposal systems.



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SELECTED LIST OF MANUFACTURERS' PUBLICATIONS—Continued from page 82

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.
- Athey Company,** 6015 West 65th St., Chicago, Ill.
The Athey Perennial Window Shade. An accordion pleated window 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.
- Orange Screen Co.,** Maplewood, N. J.
Orsco Aluminum Screens. Booklet, 8 pp., 8 x 11 ins. Illustrated. Data on a valuable line of screens.
- Orsco Screens and Other Products. Brochure, 20 pp., 8 x 11 ins. Illustrated. Door and window screens and other hardware.

SHELVING-STEEL

- David Lupton's Sons Company,** Philadelphia, Pa.
Lupton Steel Shelving. Catalog D. Illustrated brochure, 40 pp., 8½ 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. Illustrated. Data on an important line of wire glass lights.
- The Effectiveness of Sidewalk Lights. Folder, 4 pp., 8½ 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. Illustrated. Gives complete data regarding a well-known protection 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

- Bethlehem Steel Company,** Bethlehem, Pa.
Steel Joists and Stanchions. Booklet, 72 pp., 4 x 6¼ ins. Data for steel for dwellings, apartment houses, etc.
- 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.
Fireproofing Handbook. 8½ x 11 ins. 32 pp. Illustrated. Describes 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 Truss Floor. Brochure, 8 pp., 8½ x 11 ins. Authoritative specifications covering much construction.
- Ingalls Trusses. Booklet, 12 pp., 8½ x 11 ins. Loading values and details.
- Steel Frame House Co.,** Pittsburgh.
Steel Framing for Dwellings. Booklet, 16 pp., 8½ x 11 ins. Data and 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 specifying and using this stone for all building purposes.
- Vol. 1. Series B. Indiana Limestone Library. 6 x 9 ins. 36 pp. Illustrated. Giving general information regarding Indiana Limestone, its physical characteristics, etc.
- Vol. 4. Series B. Booklet, New Edition. 8½ x 11 ins. 64 pp. Illustrated. Indiana Limestone as used in Banks.
- Volume 5. Series B. Indiana Limestone Library. Portfolio. 11¼ x 8¾ 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 Buildings. 8½ x 11 ins., 80 pages, illustrated.
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- Catalog K. 1927 Edition. Booklet, 32 pp., 8½ x 11 ins. Illustrated. Details of Kawneer Copper Store Fronts.
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- Kawneer Construction in Solid Bronze or Copper. Booklet, 64 pp., 8½ x 11 ins. Illustrated. Complete data on the subject.
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- International Store Front Construction. Catalog. 8½ x 10 ins. 70 pp. Illustrated. Complete information with detailed sheets and installation instructions convenient for architects' files.

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- National Terra Cotta Society,** 19 West 44th St., New York, N. Y.
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- Illinois Engineering Co.,** Racine Ave., at 21st St., Chicago, Ill.
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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.

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Genfire Steel Company, Youngstown, Ohio.

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The Vortex Mfg. Co., 1978 West 77th St., Cleveland, Ohio.

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Par-Lock Specification "Forms E and G" membrane waterproofing 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 requirements.

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Athey Company, 6035 West 65th St., Chicago.

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David Lupton's Sons Company, Philadelphia, Pa.

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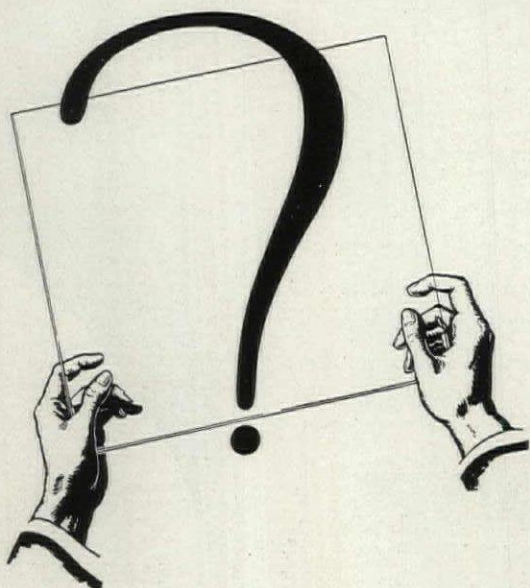
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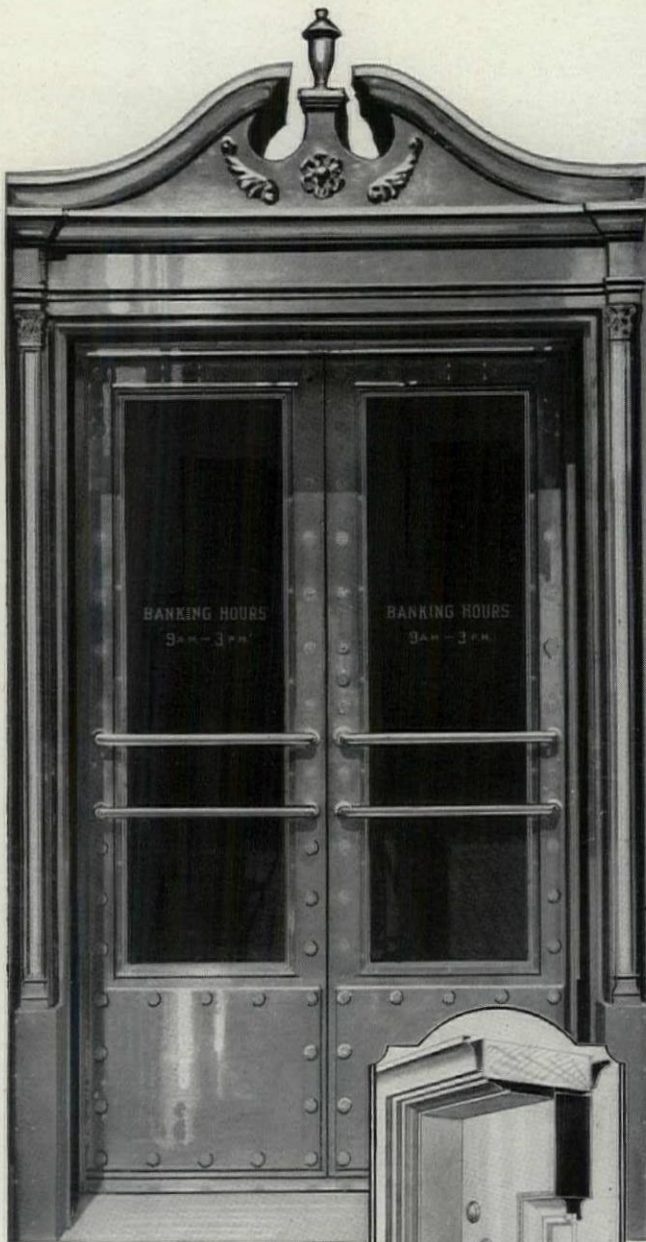
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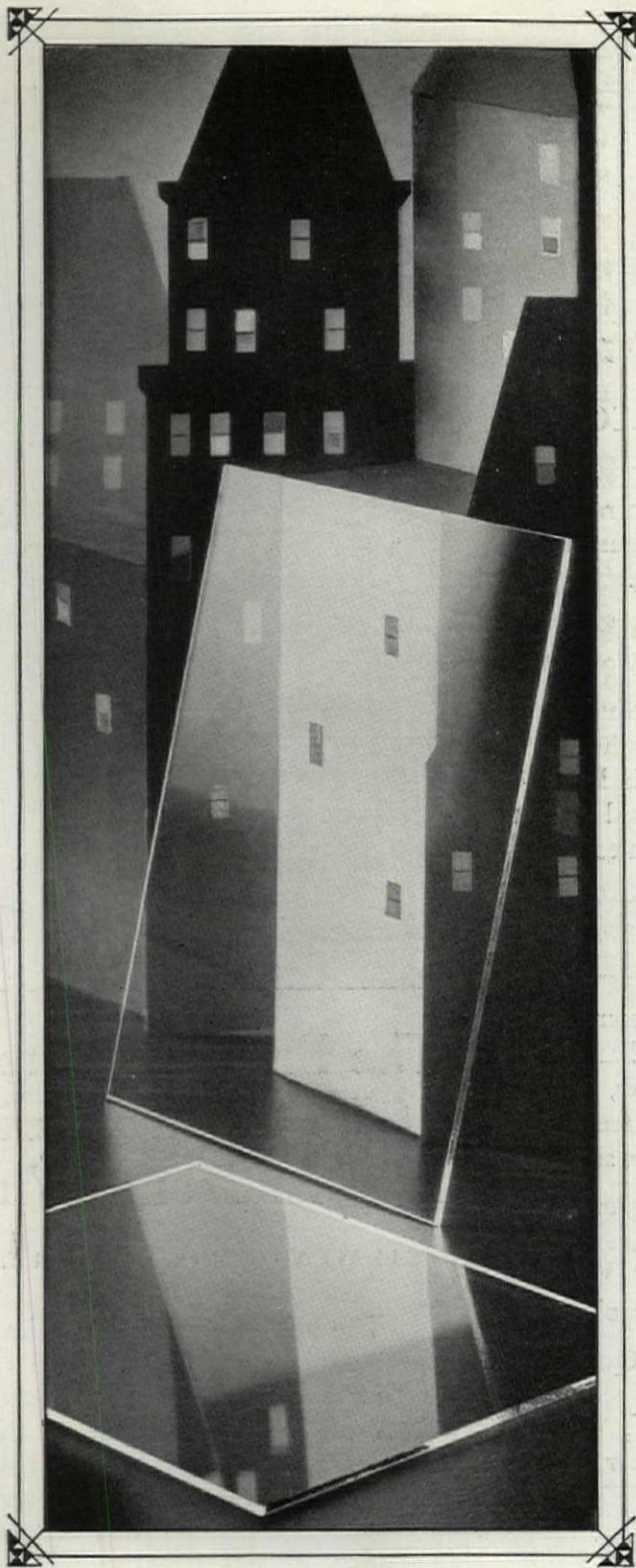
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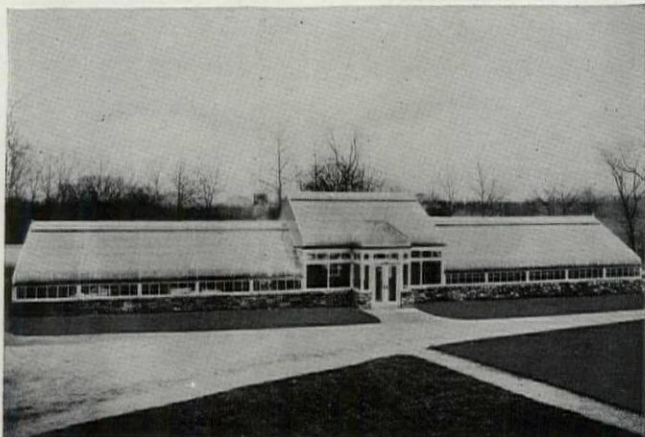


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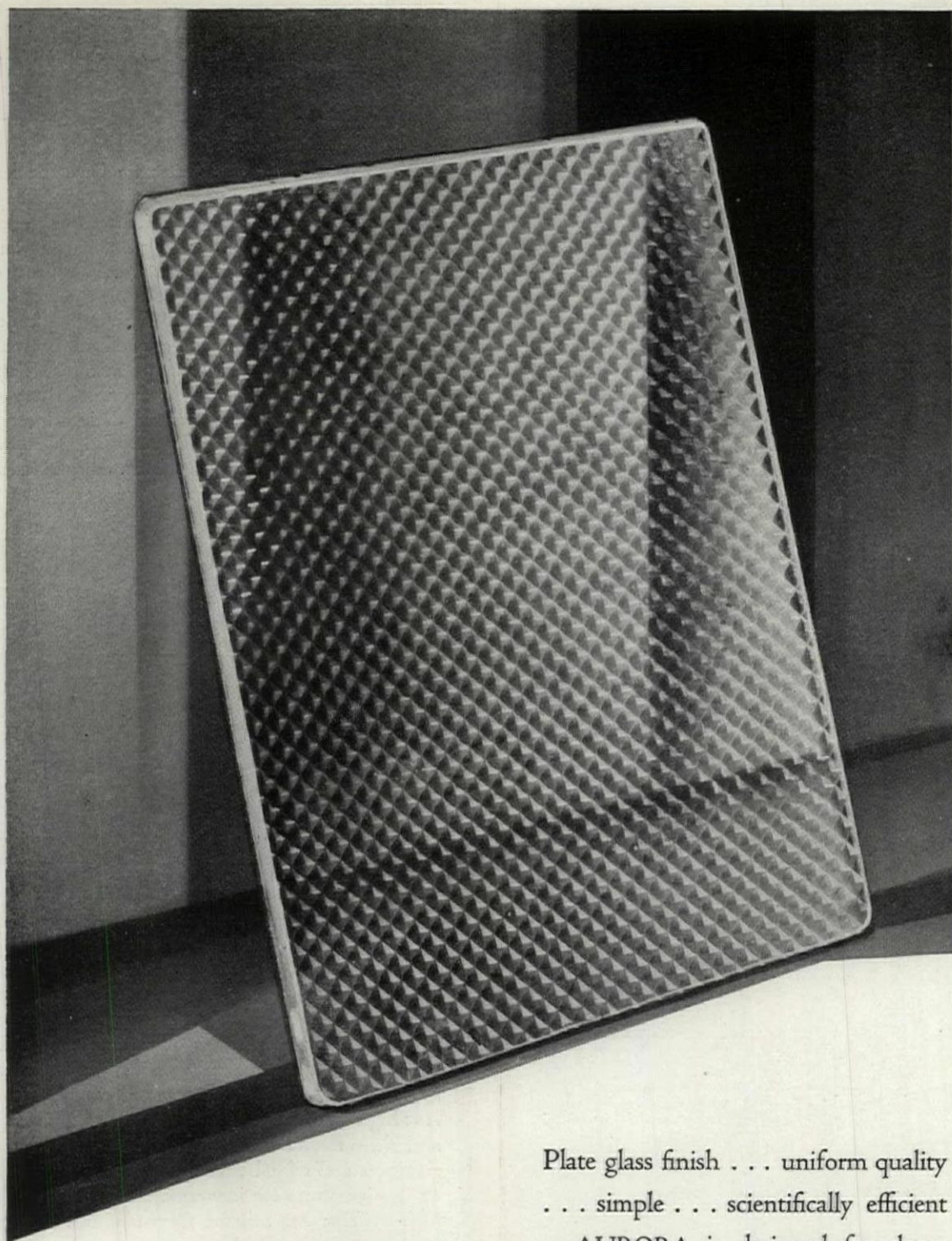
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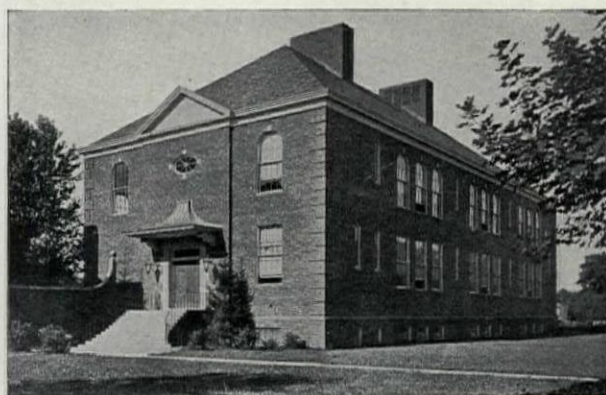
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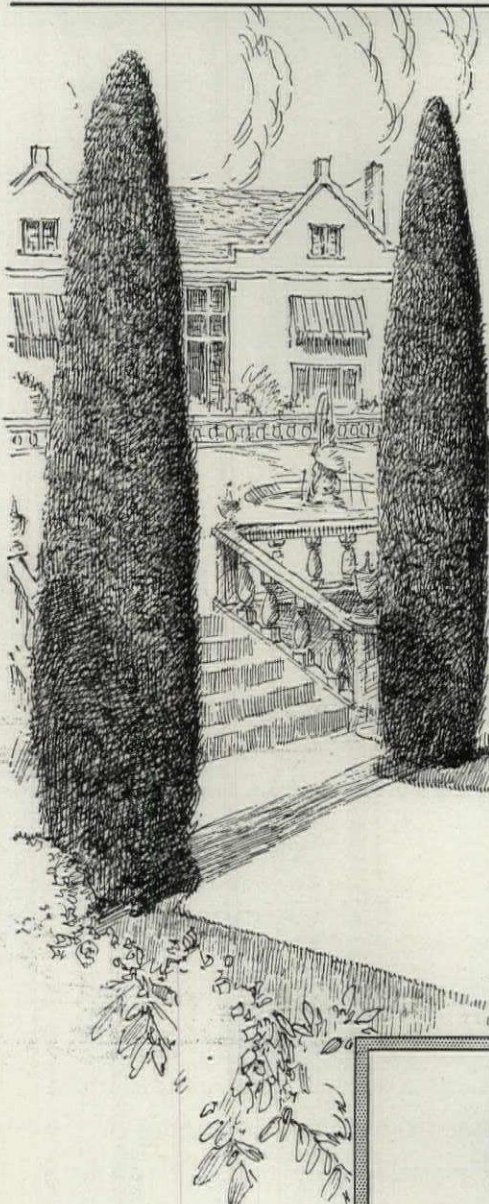
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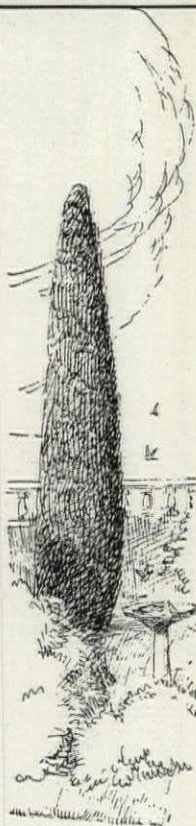


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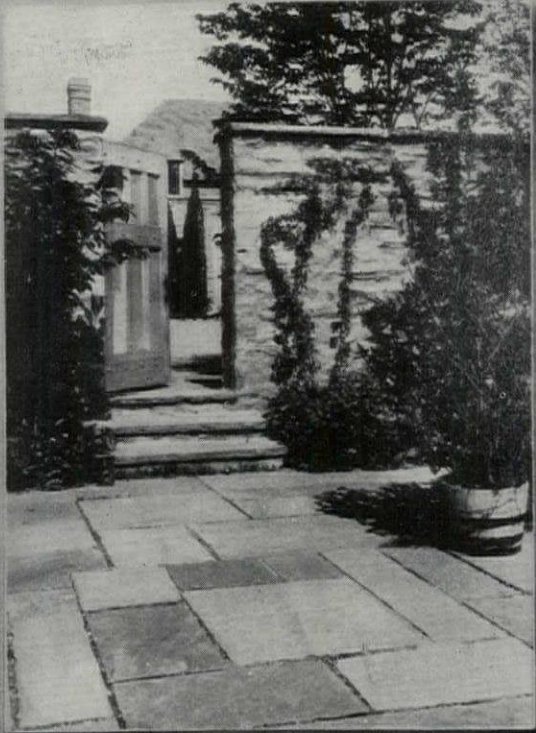
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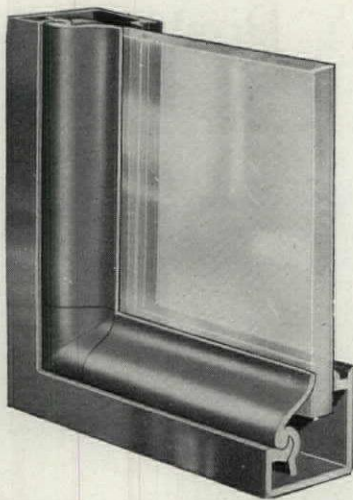
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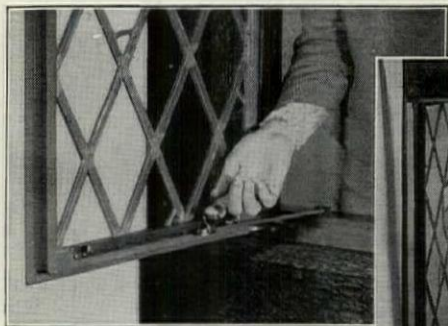
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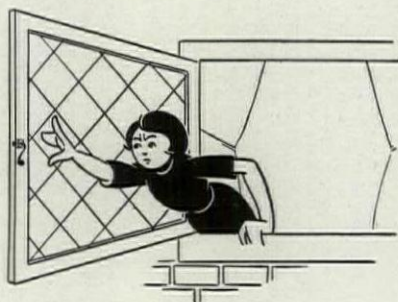
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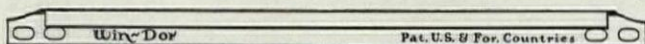
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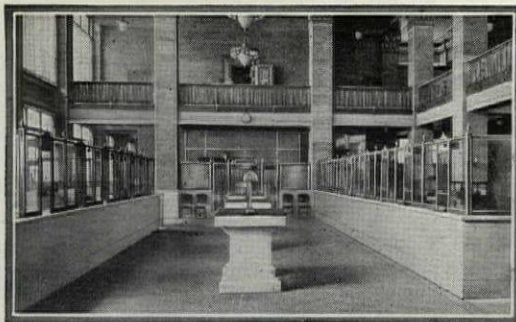
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The steady increase in savings accounts made necessary a corresponding increase in the facilities of the Logan Trust Co.

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The bronze grille and gate in the safe deposit lobby combines both striking beauty and practical strength.

to cause as little inconvenience as possible to bank and public.

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Art Metal's forty years of experience in metal working are at your disposal any time. A letter will bring a representative who is fully qualified to consult with you on bank equipment or other metal work. No obligation is involved. Write to: The Art Metal Construction Co., Jamestown, N. Y.

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REVIEWS OF MANUFACTURERS' PUBLICATIONS

MILWAUKEE CORRUGATING CO., Milwaukee. "Milcor Architectural Sheet Metal Guide." A brochure on roofing.

The beauty of tile roofs is very well known, but often their cost and weight exclude tile as a possible roofing material. These disadvantages, however, are overcome by the use of "sheet metal tile" which combine the beauty and durability of actual tile with the lightness and economy of sheet metal products. The advantage of sheet metal for many other uses is also well known, and it is widely used by architects in all sorts of work, such as ventilators, siding, skylights, ceilings, and ornamental work of all kinds. The "Milcor Architectural Sheet Metal Guide" illustrates many stock models of sheet metal work made by the Milwaukee Corrugating Company for many uses. Metal tile work is illustrated in colors and black and white, and details of all classes of sheet metal work are shown. In planning buildings and writing specifications, this catalog will be valuable as a ready reference for designs and as a source of information on the subject of sheet metal building products. Another useful feature of the catalog is the chart which shows at a glance what product to specify for every type of construction for fully 16 different classes of buildings.

RODDIS LUMBER AND VENEER CO., Marshfield, Wis. "Roddis Doors." A useful brochure on built-up doors.

The advantages resulting from the use of stock doors in the laying out of all types of buildings are not solely economic. Manufacturers of this type of building accessories have made a special study of the best work in this line and have developed their products in such a way as to have available models to suit almost every purpose. So much trouble may result from faulty door construction that it is a great advantage for the architect to be able to specify doors of standard quality, backed by the reputation and experience of a reputable manufacturer. Doors made by the Roddis company are made from five thicknesses of wood cemented together in such a way that they are fire-resistant, sanitary and soundproof and have the further advantage of being proof against swelling or shrinking. A large number of stock designs of both flush and French doors are illustrated in a catalog by the Roddis company, entitled "Roddis Doors." The catalog is attractively gotten up and contains a large variety of stock designs easily adaptable to almost any situation. The construction of the doors is carefully explained, and many buildings of all types in which Roddis doors have been used are shown, in connection with details.

THE THATCHER COMPANY, Newark, N. J. "Six Ways to Make the Cellar More Attractive."

The time is past when the cellar is to be considered as a place filled with ash barrels and cobwebs, a place to be avoided on all occasions except when it becomes absolutely necessary to stoke the furnace. Many cellars of the present and probably all in the near future will be light and comfortable units of the house, where one may lounge or exercise amid pleasant surroundings. This has been made possible largely through improvements in the design of heating equipment. In place of the old unsightly sheet iron furnaces, with their mazes of pipes belching forth clouds of ashes, we now have neatly designed heaters, compactly built to occupy small space and so constructed that there is no danger of ashes being scattered about. This makes it possible to have a basement room that is both attractive and highly usable. Six suggestions for using the basement in this manner are contained in a booklet issued by the Thatcher Company of Newark. These suggested ways of making the cellar more attractive include its use as a billiard room, a play room, a gymnasium, a work shop, a man's den, and a room for dancing. In all of these interior sketches, the Thatcher "Elite" boiler, with its jacket of mandarin red, supplies a pleasing part of the furnishings of the rooms and proves that a furnace need not be unsightly but can be positively attractive. The drawings supply many valuable ideas for beautifying the basement rooms.

W. & J. SLOANE MFG. CO., 577 Fifth Avenue, New York. "Linoleum Data and Specifications for Architects."

Manufacturers of linoleum have brought their product to a degree of excellence which seems to approach perfection. Artistic merit is given it by skilled designers, this excellence combined with that durability which is but one of the many highly practical and valuable qualities which linoleum possesses. The extent to which this material in one or another of its many forms is used demands that its manufacture be carried on upon a large scale. This is being done, and this well presented brochure sets forth the production of linoleum by the old and well known house of Sloane. A large part of the booklet carries illustrations in color of linoleum, plain or figured, while other pages describe the manufacture of the material, the ingredients which enter into its making, and still other pages show views of the large plant at Trenton where Sloane linoleums are manufactured. The booklet is, in fact, "A Manual of Information for Architects," and as such it contains all data regarding the installation and upkeep of linoleum which an architect would be likely to require. The value of the data should give the work wide circulation among architects.

THE PORTLAND CEMENT ASSOCIATION, Chicago. "Concrete in Architecture." A work on its adaptability.

The great strength and adaptability of concrete for structural purposes has long been realized and utilized to the fullest extent. The possibility of making load-bearing members serve the further purpose of architectural decoration is of more recent development, yet a great deal has already been done in this direction by the use of stains and paints and by the use of exposed aggregate concrete, so that it is no longer necessary to sacrifice beauty of architectural design in the use of this fireproof material. Some of the most outstanding examples of work in this medium are illustrated in a booklet of the Portland Cement Association, entitled "Concrete in Architecture." Interior views of such buildings as the Edgewater Beach Hotel, Chicago; Shrine of the Sacred Heart, Washington; the University Club of Los Angeles; and the Metropolitan Theater, Los Angeles, are shown both in halftone and full color reproduction. These illustrations give a good idea of the unlimited possibilities of work of this kind and are supplemented by brief descriptions of the work in each building and by an explanation of the technique used in finishing concrete by the use of stains and paint and by the exposed aggregate method.

THE KITTINGER COMPANY, Buffalo. "Kittinger Distinctive Furniture." A brochure on furniture for various uses.

In the final analysis, the success of interior decoration depends on a careful selection of the furniture to be used. The furniture should always be in keeping with the quality of the building in which it is installed. To use cheap veneered imitations in the many fine homes, clubs, hotels and office buildings which are being built in this country would be to ruin the effect of the whole and to greatly discount the value of the fine materials and workmanship that have gone into the building itself. The historic styles of furniture design are particularly adaptable to luxurious and beautiful modern interiors, and when executed in solid woods by highly skilled workmen they furnish the correct finish for the highest type of interiors. In the catalog of the Kittinger Company of Buffalo a complete assortment of such designs is illustrated. They are executed by Kittinger workmen in finest textured solid American walnut and figured Honduras mahogany. The book is very attractively printed and shows cuts of the complete line of Kittinger furniture for the home, club, college, directors' room and fine executive offices. A few of their recent distinctive installations are shown such, as those in the Detroit Masonic Temple, the Buffalo Consistory, and the Detroit Yacht Club, together with several fine office and hotel interiors. A price list supplement issued with the catalog adds greatly to its usefulness in planning distinguished interiors.



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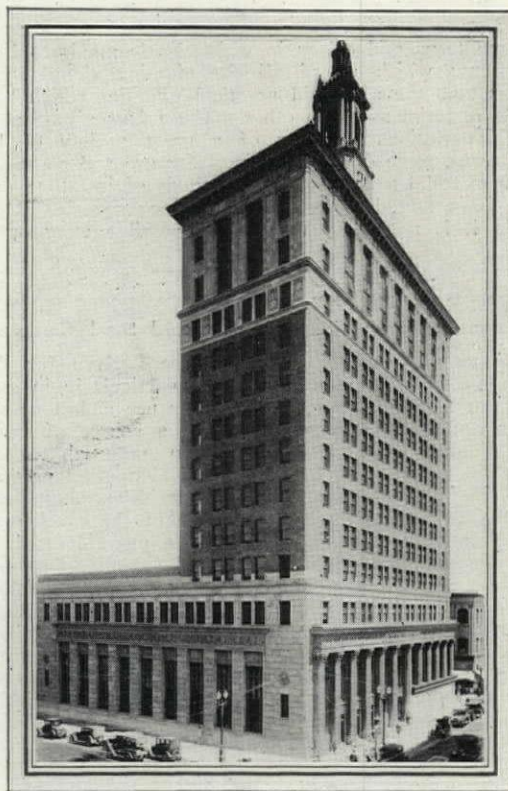
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REVIEWS OF MANUFACTURERS' PUBLICATIONS

THE JOHN D. EMACK CO., Philadelphia. "The Charm of Slate Floors and Walks." A brochure on their use.

Use of slate for walks and floors would unquestionably be greatly increased were people more generally familiar with the charm which it adds to places where it is used. This folder or brochure, for example, contains illustrations of slate's exterior use,—for walks, terraces, verandas and porches,—and also of its interior use, not only for certain rooms in residences but also in such public or semi-public places as churches, clubs, libraries and large shops, all places to which the use of slate for flooring adds a high degree of dignity. The folder gives, for the benefit of architects and builders, all the data necessary for the correct use of slate—information regarding "color nomenclature," and specifications covering the proper use of slate.

THE GEORGE W. BLABON COMPANY, Nicetown, Philadelphia. "Linoleum for Design, Color and Quality."

The wide popularity of linoleum as a floor covering is due quite as much to its artistic excellence as to its practical qualities. In this folder, issued by a well known manufacturer of this material, the architect or interior decorator is given more than an idea of the great variety of patterns and colors in which linoleums is to be had,—patterns which afford all the pleasing characteristics of tiles plus the aforesaid practical qualities which belong to this material as to no other. The folder gives, in addition to illustrations in color of a great variety of linoleum patterns, some data on the manufacture and composition of the material and the proper methods of installing or laying it—important, because unless the floor covering is properly laid it is not likely to give all possible wear or service.

GENERAL FIREPROOFING BUILDING PRODUCTS, Youngstown, Ohio. "GF Standard Steel Casements."

Among the many excellent reasons given for the wide popularity of casement windows, particularly in structures of a residence nature, is that their use makes possible 100 per cent of a window's value as a source of ventilation. Particularly when casements open outward, they possess certain other marked advantages which often procure their use in buildings of other than a residence character. This small folder deals with the merits of the excellent line of Copper Steel Standard Casements manufactured by this large concern. GF Standard Steel Casements cannot burn, warp, shrink, leak or get out of order. Double-contact weathering assures absolute closing. Their ventilation range is also an important feature. GF Casements permit 100 per cent ventilation. These casements are all outward opening. There is no interference with interior drapes and curtains, and they are easily screened. The GF friction stay,—an exclusive feature,—enables one to hold the window open at any angle. These casements are very high in quality.

BONDED FLOORS COMPANY, INC., KEARNY, N. J. "Gold Seal Floors for Different Uses."

The use and popularity of many of the modern floor coverings are considerably increased by the excellent booklets and other forms of advertising matter issued by manufacturers. Here, for example, there are five brochures or booklets dealing with use of the well known "Gold Seal" materials for (1) Stores, (2) Clubs, Apartments and Hotels, (3) Hospitals, (4) Offices, and (5) Schools. Each of the booklets is profusely illustrated with views showing "Gold Seal" in actual, practical use, and each contains data calculated to aid the architect or interior decorator when the important matter of flooring is being considered. "Bonded Floors Co. through its authorized distributors offers a complete, responsible installation service wherever its products are specified. The experience gained in many years of manufacturing is thus combined with equally broad experience in installation methods. The result is a scientifically correct floor of great durability, economy and beauty."

METROPOLITAN ENGINEERING CO., Brooklyn. "Murray Radiators." A brochure illustrating their use.

An outstanding feature in the development of modern heating apparatus is the fact that the visible fixtures need no longer be unsightly and unsanitary. Not only are the radiators being hidden from sight by screens and covers, but the design of the radiators themselves has been greatly improved, so that they are more efficient and occupy less space. Copper is being used in place of cast iron, and the design is studied so carefully that the utmost efficiency is attained in the least possible amount of space. Some very good suggestions along the lines of making radiators an aesthetic asset rather than a liability are contained in a booklet issued by the Metropolitan Engineering Company, called "Murray Radiators," giving exterior and interior views.

GENERAL ELECTRIC COMPANY, Bridgeport, Conn. "Electrical Specification Data for the Use of Architects."

Home owners do not always realize that the proper and economical use of electrical current depends upon the correct laying out of the wiring system. Architects should realize this, and theoretically they do, but the specifications covering this detail are often slighted by being carelessly written, and the result is that the building is either "overwired," which means that current is wasted, or else "underwired" so that the lighting and the operating of utility devices do not function properly. To remedy just this there has been issued this comprehensive and authoritative guide to proper wiring, and if those who have in hand the writing of specifications covering wiring and the laying out of the system will but follow its teachings, there will be no fault found when the house has been completed and occupied.

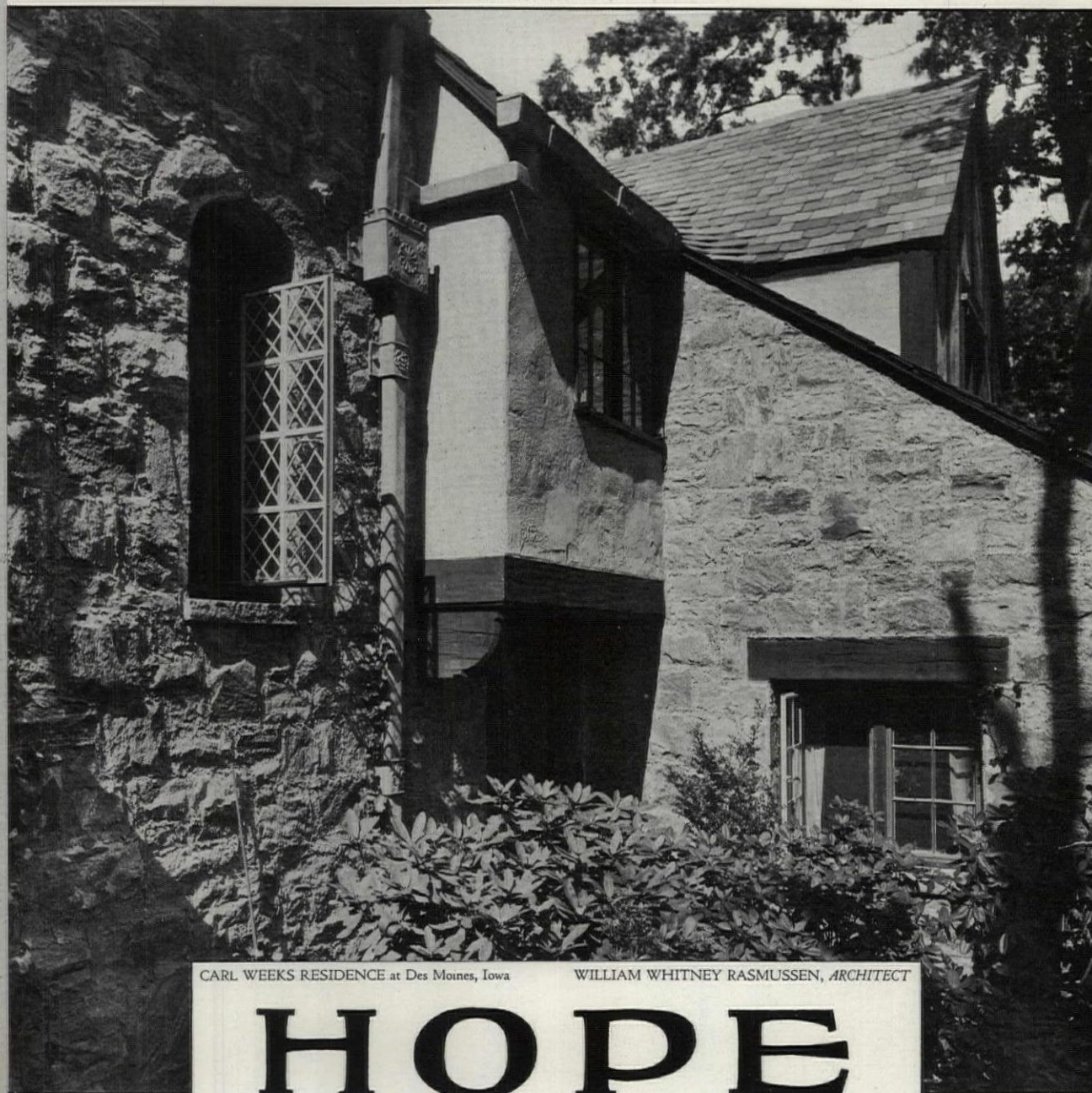
HOLOPHANE COMPANY, INC., New York. "Holophane Datalog, Commercial Edition, Booklet 375-E."

The vast growth in the use of electricity which has come about during the past ten or fifteen years has been due partly to those who by invention, discovery, and the perfecting of manufacturing processes have made the wide use of electricity economically possible, and partly to those who with amazing ingenuity have studied this most flexible and adaptable of all forms of energy and have devised accessories for the economical use of it. With the use of electricity for lighting the Holophane Company has been long identified. This booklet says that it was the pioneer in the field of scientific illumination, and that for more than a quarter-century it has been well known in that field. By designing lighting equipment to meet a pre-determined set of conditions, it is possible to realize maximum utilization efficiency. This method of handling lighting problems is to be contrasted with the popular misconception that a so-called standard unit can be made that will fit all lighting conditions. This booklet is full of invaluable data.

OLD COLONY PEWTER MAKERS. 99 Mt. Vernon Street, Boston, and Harvard, Mass. "Old Colony Pewter."

Architects and interior decorators have quite naturally taken keen interest in the revival of different forms of old fashioned craftsmanship which has now been engaging attention for more than a generation. Careful study has been made of about everything worth while in the way of old American architecture (and much architecture abroad), and publication made of illustrations and measured drawings render their reproduction possible for all time. Almost everything in the way of old furniture, old fabrics, old pottery of all sorts and old wallpapers is now to be had in reproduction, and certain earnest craftsmen are now making pewter which equals in every essential that produced by the English, Scotch, French and American pewterers a century or more ago. This brochure contains illustrations and descriptions of many of the details in pewter supplied from this little workshop,—tea sets, bowls, porringers, lamps, candlesticks, pitchers, plates, platters, trays, etc.

CASEMENTS



CARL WEEKS RESIDENCE at Des Moines, Iowa

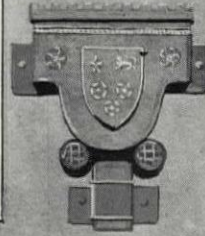
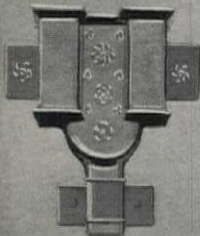
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TRANSOM BAR

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LAWRENCE M. LOEB, Architect

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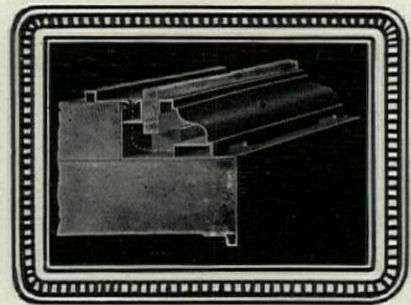
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These and other superior features are construction facts which every architect is invited to investigate. Our actual samples, full-sized details and catalogs make your analysis easy. Send for them.

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Brasco
STORE FRONTS

HANLEY ^{Co} FACE ^{Co} BRICK



Sears Roebuck Plant
Minneapolis, Minn.

Geo. C. Nimmons
Architect

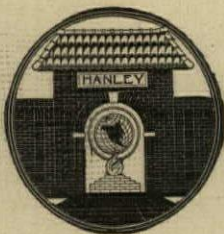


Hanley Rug White Face Brick
Shade No. 129

B. W. Construction Co.
General Contractors

USED ON NEW SEARS ROEBUCK PLANT

The new Sears Roebuck Building in Minneapolis was built of Hanley Face Brick running in color from a white into a golden greyish cast. The color effect and textures obtainable by the use of this material present a beautiful appearance and are especially well



suited to the immense pilasters and plain wall surfaces. In both the Minneapolis and Boston mail order stores, the architect decided that these results could be satisfactorily accomplished by the use of Hanley Rug White Face Brick—Shade No. 129.

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Rendering by Ellery S. Husted

Building 60 BROAD STREET, NEW YORK

NORTH BROAD REALTY CORP., Owners

The Story:—The cork tile flooring in the public corridor on the 13th floor was finished with Zapon Lacquer Floor Finish "D"—date October 9, 1927. February 1st, 1928, Zapon was used to finish cork tile on 6th, 9th, 14th, 15th and 21st floors. One week later, Zapon was used to finish linoleum on the 5th floor. The North Broad Realty Corp. is a very successful company. They use Zapon because it's economical—and because it enhances and preserves the beauty of their floors. Write The Zapon Company, Stamford, Conn., for complete information.