

THE AMERICAN ARCHITECT

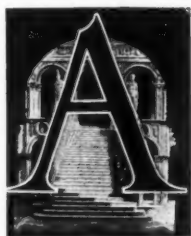
VOL. CI.

WEDNESDAY, JUNE 26, 1912

No. 1905

RECENT UNIVERSITY ARCHITECTURE IN THE UNITED STATES*

By RALPH ADAMS CRAM, F.A.I.A., F.R.G.S. LITT.D.



ALTHOUGH in the conception of colleges in the United States there has been from time to time a yielding to novel impulses, there is always a return step by step to the old ideals and sound methods of English colleges, for with the reaction towards a broader culture comes the return to the architecture of Eton and Winchester, Oxford and Cambridge, that so fully expressed that very culture itself.

Of course, practically all the seventeenth century work, and nine-tenths of that of the eighteenth, is gone, including much of the best; but fortunately at Harvard there remains a notable group that has yielded neither to vandalism nor conflagration. The typical English quadrangle arrangement was abandoned for a grouping of isolated buildings, at first more or less formal, then developing into final chaos as other men with other minds came on the scene and placed their buildings, and designed them also, at their own sweet will. As for the material, it was almost invariably brick, at first imported from the old country, for the visible stone supply in New England was intractable granite; and even where a kinder material was available, there was in the beginning little skill in cutting, and later little money to pay for the labour involved. With few exceptions the trimmings of doors and windows and cornices were delicately moulded wood painted white, the Vignolan laws as to proportion being intelligently modified to fit

the new material, while the roofs were covered with split shingles.

The first evidence of decadence appears in the advent of that more pompous style Jefferson did so much to advance. Hitherto what had been done was done simply and unaffectedly: now came the conscious desire for architecture, which is a dangerous ambition at best. At the University of Virginia we have the original setting out, almost intact, and if we deplore the unnecessarily unreasonable classical porticoes with columns, entablatures, and pediments complete—and all built of pine boards framed up in the semblance of a newly discovered Paganism—we must admit the great dignity of the plan and the singular charm of the ensemble.

This "Jeffersonian" style rapidly took the place of the old Georgian, but its day was brief, and somewhere between 1820 and 1830 occurred that ominous point when the last flickering tradition of good taste and the last weak impulse of instinctive art vanished—for the first time in history—and the new era began wherein the desires and predilections of society as a whole were no longer for good things and beautiful things, but explicitly and even clamorously for bad things and ugly things, while the uncertain offices of the architect were the only agencies that from time to time redeemed the general chaos.

Fortunately there was little collegiate building with us during this dismal second quarter of the nineteenth century, or, rather, and also fortunately, little of it has survived, and when first the architect appears on the scene as the mentor rather than the exemplar of public opinion, it is in novel guise; nothing less, indeed, than

*Extracts from a paper read before the Royal Institute of British Architects, May 20th.

as the protagonist of Gothic. He was not *very* Gothic, I must admit, and in the beginning he contented himself with a few apologetic and quite casual buttresses, pointed arches over his door and window openings, an octagonal turret or two, and, of course, battlements, usually of two-inch deal neatly painted, and sometimes sprinkled with sand as a concession to appearances. What took place in domestic and ecclesiastical architecture I dare not even reveal to you, but the college work was a shade less horrific, for sometimes, as at West Point, it was of stone, and good stone work will cover a multitude of sins—as it still does in our own day and generation, I believe.

From the close of the war between the States down to about 1880, the new Gothic that expressed Ruskin's really enormous influence might be said to have run riot through our colleges. There were those like Renwick and Congdon, and Mr. Haight, who is still living, that held conscientiously to the grave and archæological type established by the Pugins; there were others who tried to incorporate Ruskinian doctrines in more personal, original, and mobile work, as Blomfield and Butterfield were doing here in England; the results were at least lacking in monotony, but few of them achieved the simplicity and the dignity of Mr. Haight's work, while many of them reached a point of violence and anarchy hardly to be matched in history.

It was all a "false dawn," however, and ceased almost in a moment (though for a brief period only) when that great genius and greater personality, Richardson, flashed like an unpredicted comet across the sky. The later 'seventies were desperate, no less, and the group of conscientious men could not withstand the flood of falsity and bad taste and artificiality that involved the whole art of architecture. Richardson alone turned the tide; and deliberately forced a new and alien style on a bewildered people. He did great work, some of it immortal work, in his powerful mode, but he died before his mission was accomplished, and though he killed the "French roof style" and the futile Gothic, and all the other absurdities, he left behind no one of his own calibre to carry on the crusade, but instead a multitude of imitators who, though at first doing fine work under the memory and inspira-

tion of their master, gradually turned away into other fields, leaving the Romanesque propaganda to the most inadequate exponents imaginable. For a decade we wallowed in Lilliputian cyclopæanism, and then, to change the simile, the summer storm swept west and south, and over the desolation it had left loomed, almost simultaneously, three new tendencies—Colonial, Perpendicular Gothic, and "Beaux-Arts." With a magnanimity rare in history, these three rivals more or less succeeded in establishing a *modus vivendi*, Colonial taking over part of the new and again triply dividing Gaul in the shape of domestic work, Gothic annexing so far as it could all collegiate, scholastic, and ecclesiastical building, while to the Beaux-Arts propaganda fell all it could get of the rest—particularly Carnegie libraries, town houses, and banks. As a matter of fact, this partitioning of architectural activity was not the result of amity, nor was it in the least definitive; the Colonial style claimed the patronage of our Nonconformist brethren (with show of reason and propriety); Gothic tried vainly to break into the library fold; while the Beaux-Arts architects made unavailing eyes at the Church, and, indeed, claimed everything in sight. Their pretensions did not go without questioning, however, for in the meantime the old and most classical classic was reborn (it had never wholly died), and at the hands of Charles McKim it suddenly achieved a height of serene nobility where it could and did challenge the claims of its rivals. And there were other claimants for the architectural crown now so completely "in commission"; there was the Spanish pretender, with its doubtful offspring, the quaintly denominated "Mission style," there was the secessionist Americanism of the inspired but unguarded Mr. Sullivan; there was a kind of neo-Byzantinism; there was a hidden but persistent Japanese propaganda. In fact, I was wrong when I said that the Architectural Gaul was divided into three parts; it is not such a triple partition that confronts us now; it is an omnivorous eclecticism that bears some of the earmarks of anarchy. To use one of our own phrases, "everything goes," and much of it goes exceedingly well, amazingly so, in fact, but the result is somewhat lacking in the qualities of unity and lucidity.

Fortunately we have to do with few of the varied schools, for though all of them have footholds in the several colleges, only two have established their claims—Georgian and Gothic, and at the present time the latter has the call and has produced the most notable results; it may almost be said that except where lack of funds or climatic conditions argue against Gothic, this has the field absolutely to itself. The ascetic and fastidious classicism of McKim created Columbia University, and occurs sporadically elsewhere; the Boulevardesque of the Beaux-Arts men appears in a single building at Yale and in the slow-growing University of California and the Naval College at Annapolis; Spanish elements go to the making of Leland Stanford, and in Texas my own firm is doing "a deed without a name" that you must judge for yourselves and justify, if you can, and as we do ourselves. Elsewhere it is, as I said, Georgian or Gothic, and to the college trustee it is now the question "under which King, Bezonian?" Harvard, after swinging the circle of every possible architectural dogma and heresy, has settled down, as she should, to Georgian, as has Williams, and as have so many of the smaller and poorer preparatory schools and colleges, particularly in the South, but Yale, West Point, Pennsylvania, New York, Princeton, Bryn Mawr, Washington University, St. Louis, and Chicago, together with all the larger preparatory and Church schools, and the newer Roman Catholic institutions, are uncompromisingly Gothic of the type made immortal by Winchester, Eton, Oxford, and Cambridge.

In the new plan of Princeton, which shows the University as it now is, and indicates its future lines of development, there is seen a strong tendency towards the standard type. The dormitories are assuming quadrangular form, and in time may become full residential colleges, each with its common room and great hall, and, when times have still further changed, its chapel. In the beginning our dormitories were simply barracks, with living rooms opening off long halls, with remarkable results so far as order and discipline are concerned. Now the "entry" type is almost universal, the type that holds in England—the standard type of suite of a study and two bedrooms for two undergraduates, and

a study and bedroom for each graduate student. In the former case each stairway is separated from the next by a party wall, unbroken except in the basement, to which all staircases descend, and here a general corridor gives access to groups of baths and toilets, and to the boxrooms, and to the other staircases in the quadrangle as well. In the newest of our buildings for graduate students every two suites have a private bath between. Notable is the magnificence of the gymnasiums. The mania for natural science is less dominant at Princeton than elsewhere, but two of the newest and most magnificent buildings are devoted the one to biology the other to physics.

A notable Gothic Renaissance amongst American colleges began with the new library at Princeton. John Stewardson and Walter Cope brought into being at Princeton, Bryn Mawr, and the University of Pennsylvania structures that are to the author singularly beautiful and inspiring, and they left their mark for all time on American architecture.

About the same time an Englishman, Mr. Vaughan, sometime pupil of George Bodley, began the introduction of the same style into our great preparatory schools. His work at St. Paul's marked a new era in this category of scholastic architecture, and was continued later in more sumptuous fashion at Groton. My own firm has been following his leadership in the Convent School of St. Mary, at Peekskill, and the Taft School in Connecticut, while there are innumerable examples of the same sort of thing all over the country. It was really Cope and Stewardson's work at Princeton that set the pace, however, and so beautiful was it, so convincing as to the possibilities of adapting this perfect style to all modern scholastic requirements, that the University authorities passed a law that for the future every building erected at Princeton should follow the same general style. The altogether wonderful quadrangles of Holder and Hamilton Halls, by Messrs. Day Brothers and Klauder, of Philadelphia, marked for the author almost the highest point achieved in Collegiate Gothic in modern times. "When the great quads are completed we shall, I think, confront a masterpiece."

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Referring to other American colleges, Mr. Cram spoke first of Columbia University—the noblest type of the pure Classical idea. There is little else that is purely classical among American Universities, though Carrère and Hastings have built a most engagingly Parisian Alumnae Hall at Yale, the Naval Academy at Annapolis is strictly French, and the University of California is growing on scrupulously Beaux-Arts lines afar on the Pacific Coast. Georgian, however, has established itself as a determined rival of the “Oxford Mixture,” and some of its products are not only logical and lovely, but genuinely scholastic as well. Harvard is conscientiously following this line, and so is Williams. In Virginia, also, we are slowly constructing a great college for women, while we are using the same style for another of our oldest and most famous “preparatory schools” at Exeter as well as at yet another girls’ college, Wheaton, in Massachusetts. Georgian also, with rather quaint Roman elements, has been used by McKim, Mead, and White for the vast War College at Washington.

The University of Pennsylvania shows still more of Cope and Stewardson’s wonderful work, though here it is couched in an extremely rich Elizabethan vernacular, and the style is handled in a magnificent and competent fashion. Here it is all red brick and yellow stone, and the same materials are used in Mr. Day’s beautifully proportioned and very reserved Gymnasium. Bryn Mawr is again built of the wonderful stone that underlies all Pennsylvania and New Jersey, putting a premium on good architecture. Here in England all building stone is finely dressed, but in America we have adopted the practice of using “ledge stone” for our ashlar, our trimmings only being tooled. Fortunately, we have a wide variety of singularly beautiful stones, ranging in colour through all shades of grey, brown, purple, and tawny, easily obtained, inexpensive, and durable. In a way I think we gain a richness in colour and texture that is obtainable in no other way, while we also

acquire something of that effect of age which is, after all, so essential a part of architecture.

Washington University, St. Louis, is later work of the form of Cope and Stewardson after the latter had died, and, good as it is, it shows the loss of the peculiar poetry that marked everything Stewardson touched. At Chicago University the first buildings were distributed without any regard to architectural effect, and Shepley, Rutan, and Coolidge, in taking over the work, have been badly handicapped. This is the most archaeological of the “college Gothic” in America, accurate, conservative, and reserved. Mr. Post’s “College of the City of New York” is as poetical, fantastic, and imaginative as the other is austere and cautious.

Mr. Cram voiced the opinion that good Gothic is encroaching steadily on the preserves of Classicist, Boulevardier, and Colonial, and this in spite of the fact that, with the single exception of Harvard, every one of our schools of architecture, absolutely disregards every type and phase of Gothic, both in design and in theory. In conclusion Mr. Cram gave expression to the following: “We do, indeed, indulge in skeleton construction, and reinforced concrete and other structural expedients and substitutes, but deep in our racial consciousness, as in that of all other Anglo-Saxon peoples, is the solid conviction that after all there are but three real things in the world—the home, the school, and the Church—and that when we are dealing with eternal verities honest and enduring construction is alone admissible. And it is to the same consciousness I think that we may attribute the very universal return to Gothic of some form for our churches and our colleges and our schools. After all, there have never been but three real styles of architecture in the West, noble in impulse, organic in structure, perfect in detail, and these three are Greek, Byzantine, and Gothic; everything else is either a patois or a form of slang. Greek and Byzantine are in essence alien to our blood and temper, and Gothic alone remains.”

SOCIETY OF BEAUX-ARTS ARCHITECTS



1911-1912

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AN ARCHAEOLOGICAL INSTITUTE

Class "A"—Projet V

There were many excellent solutions presented of this problem, showing appreciation both of the character and requirements of a building of this type. The most common weakness was a failure to group library salon and amphitheatre so that they made a compact unit. Hand in hand with this was an obvious tendency to multiply unnecessarily the architectural divisions in plan. The drawing of Mr. Stedman, which was placed first, showed a most commendable grasp of the problem; the important rooms were well placed in their relation to one another, the location of the library on the main axis in immediate relation with salon, amphitheatre, study and committee rooms was particularly fortunate; this was also true of the handling of the fore court. The drawing of Mr. Howard was also excellent—his elevation in particular being dignified, well proportioned and in excellent character.

ARCHAEOLOGY AND MEASURED DRAWINGS

The drawings presented under these two heads with two or three exceptions, were of only average excellence. That of Mr.

Yewell in archaeology showed exceptional ability, and the same can be said of the measured drawing of the pulpit in St. Paul's.

OFFICIAL NOTIFICATION TO S. B. A. A. STUDENTS OF AWARDS MADE IN THE JUDGMENT OF JUNE 11th, 1912

The Committee on Education in New York and its Local Committee in San Francisco received 88 Esquisses (Preliminary Sketches) and 42 Projets Rendus (Sets of Final Drawings) in the:

CLASS "A"—V PROJET (Problem in Design)

"AN ARCHAEOLOGICAL INSTITUTE"

Author	Award	Atelier	City
Stedman, C. W.	1st Medal	U. of P., Sch. of Archt.	Philadelphia
Howard, R. G.	1st Medal	U. of P., Sch. of Archt.	Philadelphia
Shay, H. L.	1st Medal	U. of P., Sch. of Archt.	Philadelphia
Koest, W. R. M.	2nd Medal	Phila. Atelier-U. of P.	Philadelphia
Harbeson, J. F.	2nd Medal	Phila. Atelier-U. of P.	Philadelphia
Jagow, P. F.	2nd Medal	Prevot	New York City

The following students received "Mentions":—Atelier Brown-S.F.A.C., San Francisco: E. L. Frick; Carnegie Tech. Schools, Pittsburgh: H. McCullough, F. C. Disque, E. J. Hatcher; Phila. Atelier-U. of P., Phila.: H. P. Foster, W. P. Barney; Atelier Prevot, N. Y.: G. S. Keessing, F. A. Spangenberg, J. Thomson, A. Widman; U. of P., School of Archt.: S. Fullerton, J. Graham, Jr., J. M. Arellano, O. E. Adams, W. C. Tyler, R. M. Haas, S. A. Love, Jr., T. Bendell, J. R. Edmunds, Jr., G. A. Murtagh, A. Simons, E. N. Edwards; Atelier Ware, N. Y.: L. Fentnor.

The following students received "H. C.":—Atelier Prevot, N. Y.: H. Beshgetoorian; Atelier Ware, N. Y.: L. J. Barrett, C. E. Pierpont.

The Committee on Education in New York and its Local Committee in San Francisco received 57 Esquisses (Preliminary Sketches) and 9 Projets Rendus (Final Drawings) in the:—

CLASS "A" AND "B" ARCHAEOLOGY —V PROJET (Problem in Design)

"ENTRANCE BAY TO A MANOR HOUSE"

Author	Award	Atelier	City
Yewell, J. F.	3rd Medal	Balt. Atelier-L. H. Fowler	Baltimore

The following students received "Mentions":—Carnegie Tech. Schools, Pittsburgh: L. H. Persley; Drexel Institute, Phila.: George Fulton, Jr., T. S. Newman, E. F. Shaner; Atelier Licht, N. Y.: A. C. Frank.

The Committee on Education in New York and its Local Committee in San Francisco received 22 Sketches in the:—

CLASS "A"—V ESQUISSE-ESQUISSE (Rendered Sketch)

"A BAND STAND"

Author	Award	Atelier	City
Frank, A. C.	3rd Medal	Licht	New York City
Raser, O. B.	Mention	Bosworth	New York City
Ellington, D. D.	Mention	U. of P., Sch. of Archt.	Philadelphia

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The Committee on Education in New York and its Local Committee in San Francisco received 32 Sketches in the:—

CLASS "B"—V ESQUISSE-ESQUISSE (Rendered Sketch)

"A CASINO AT A HOT SPRINGS RESORT"

Author	Award	Atelier	City
Flanders, E.	1st Mention	Brown-S.F.A.C.	San Francisco
Flawn, S. C.	Mention	Brown-S.F.A.C.	San Francisco
Harrison, C. I.	Mention	Brown-S.F.A.C.	San Francisco

The Committee on Education in New York and its Local Committee in San Francisco received 17 Drawings in the:—

CLASS "A" AND "B" ARCHAEOLOGY —V MEASURED DRAWINGS.

Author	Award	Atelier	City
Kuehler, F. J.	3rd Medal	Wynkoop	New York City
McGlenn, G. R.	3rd Medal	Carnegie Tech. Schools	Pittsburgh
Good, A. H.	3rd Medal	Carnegie Tech. Schools	Pittsburgh

The following students received "Mentions":—Carnegie Tech. Schools, Pittsburgh: C. D. Haaness, A. H. Gilkison, A. N. Steinmark, A. H. Neal, A. L. Weaver, Jr., J. H. Barber, R. K. Fleming, Jr., P. H. Sterling; Atelier Ware, N. Y.: L. Ross.

The following students received "H. C.": Carnegie Tech. Schools, Pittsburgh: E. J. Hatcher, U. C. Bearinger.

SPECIAL NOTE:—

The Committee on Education wishes to announce that the style of the next Archaeology Project will be Classic (either Greek or Roman).

TO DUPLICATE PARTHENON

CONSUL General Richard De Fonet of Greece, has asked King George's approval of a movement begun by the Greeks to build an exact duplicate of the Parthenon on Telegraph Hill, overlooking San Francisco Bay and adjoining the site of the Panama-Pacific Exposition. A circular letter was sent to the various Greek centers of the country, and it is planned also to solicit for the project the aid of wealthy Greeks in Europe and in the Orient. The estimated cost of the duplicating of the Parthenon is \$350,000.

SURFACE MEANS COLOR

MARBLE is one of the most beautiful materials that Nature has provided for our service; but it never has by its inherent qualities alone competed with the best of man's contribution in its æsthetic appeal; it will never give the same convincing satisfaction that human effort has given us when he contributes the painted wall, and mosaic will ever make a stronger appeal than marble because it permits of a greater proportion and display of the human faculty. All surface means colour, either of material or applied, and therefore the treatment of it, remembered as quantity alone,

has an importance that should justify the architect in his legitimate desire to control the decoration.—*Edgar Wood, F.R.I.B.A.*

AN ARCHITECTURAL SIGN ON AN ADVANTAGEOUSLY LOCATED BUILDING

SO seldom is provision for signs made a part of the exterior design of loft and office buildings that an exception to general practice is worthy of notice. It will be seen by the accompanying illustration of the south side of the H. W. Johns-Manville Building, that the architect has in



THE H. W. JOHNS-MANVILLE BUILDING

MR. AUGUSTUS N. ALLEN, Architect

SHOWING THE ARCHITECTURAL SIGN ON SOUTH SIDE OF BUILDING.
A SIMILAR SIGN HAS BEEN BUILT ON THE WEST SIDE

his treatment of the blank wall space introduced a sign which harmonizes well with the design of the building and contains provision for attractive night illumination.

This is so long a step in advance of the usual make-shifts and hastily constructed wall signs that disfigure buildings, that it is to be hoped the example will be followed by later designers.

THE AMERICAN ARCHITECT

Founded 1876

PUBLISHED EVERY WEDNESDAY BY

THE AMERICAN ARCHITECT (INC.)

No. 50 Union Square, New York
(Fourth Avenue and 17th Street)

G. E. SLY, PRESIDENT

E. J. ROSENCRANS, SECRETARY AND TREASURER

Address all communications to "THE AMERICAN ARCHITECT"

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In the United States and Possessions (Porto Rico, Hawaii,
Philippine Islands and Canal Zone),
Mexico and Cuba

TEN DOLLARS PER YEAR, POSTAGE PAID
ALL OTHER COUNTRIES . . . \$12.00 PER YEAR
SINGLE COPIES (Regular Issues), 25 CENTS

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

VOL. CI

JUNE 26, 1912

NO. 1905

OUR FEDERAL BUILDING ARCHITECTURE

WITH the proposed repeal of the Tarsney Act and the recent retirement of Mr. James Knox Taylor, Supervising Architect of the Treasury, this country is threatened with a reversal to that type of Federal buildings, which like the Post Office in New York, and other examples throughout the country, are indisputable eye-sores that offend against good taste.

All things considered, we have in recent years probably been more than fortunate in the design of our Government buildings. Owing to wise provisions of law we are now able to point with considerable satisfaction to the erection of a number of creditable examples of architectural practice in the United States. We cannot believe, therefore, that any definite action on the part of the Government will be taken that will menace present satisfactory conditions, and are hopeful that when the matter has been fully presented by the Committee of the Institute before the committee in charge of the Sundry Civil Appropriation Bill that measure will be so amended as to permit the Tarsney Act to remain in force.

As to Mr. Taylor's resignation, while it is much regretted, it is easily understood. The salary attached to the office of Supervising Architect is so much below the earning capacity of a man of sufficient ability to properly administer the position, as to offer little allurements so far as the matter

of remuneration is concerned. Added to this, freedom of action in the administration of the office is not as great as could be wished. But in spite of restrictions Mr. Taylor, during his incumbency, brought the office of Supervising Architect to a high state of efficiency and with the aid of the Tarsney Act has been enabled to either design in the government office or supervise the competitions for and the erection of a class of Federal buildings of a high standard of architectural excellence. There is no reason to doubt that his successor will follow the worthy examples that have been left to him, but without the assistance obtainable under the Tarsney Act, or an equal measure, it will be impossible for him or any man to secure results to which the country is entitled.

THE BUILDING SITUATION

THAT conditions are steadily improving in the real estate and building fields, there is increasing evidence. One unmistakable indication of renewed activity is contained in the eager inquiries for architectural draftsman received with more than usual frequency during the past month. To this may be added the increasing volume of news items to be found published in the daily press concerning buildings projected or under way. Also, it may be noted that the building departments of a number of cities report plans filed for many structures, and while such data is of more value as indicating past rather than present or future conditions in architects' offices, it does give evidence of satisfactory conditions in labor and financial circles, upon both of which an active season in the building field largely depends.

Perhaps no more convincing proof of the strength and stability of our institutions can be presented than the fact that investors are thus seen to be going steadily forward in the purchase and improvement of property regardless of the political unrest and to some extent uncertainty which always accompanies a presidential campaign. Unless the indications are all at fault, architects and builders will have little cause to complain on account of poor business during the next half year, at least.

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MR. R. A. CRAM'S LONDON ADDRESS

WHILE it is conceivable that all architects may not agree with some of the statements contained in the address delivered by Mr. Ralph Adams Cram before the Royal Institute of British Architects, printed in this issue, there can be no doubt concerning Mr. Cram's qualifications or ability to speak with authority on the progress of Gothic architecture in this country. In fact, it is a source of satisfaction to have the profession in America so ably represented before the councils of our professional brethren in England.

The statement in Mr. Cram's address that will perhaps be debated with greater vigor than any other is found in the closing paragraph, and reads as follows:

"After all, there have never been but three real styles of architecture in the world—noble in impulse, organic in structure, perfect in detail—and these three are Greek, Byzantine and Gothic. Anything else is either a patois or a form of slang. Greek and Byzantine are in essence alien to our blood and temper and Gothic alone remains."

It seems quite possible that there are those in the profession who will not unreservedly endorse this sentiment.

Referring to the collection of pictures illustrating recent architectural work in the United States, which Mr. Cram placed on exhibition, *The Builder* comments as follows:

"There is, after all, something we have to learn; one aspect in which we are, as we suspected, hopelessly outdone. Perhaps it is our fault; our country is too small, too old, too keenly possessed, and too minutely divided, and so we have not the large way of planning. There are plans in this exhibition—plans of grouping and general disposition, plans of the scheme, in a word—showing a power of ranking and assembling buildings beyond anything we can do or at least obtain the opportunity of doing."

Undoubtedly the results of Mr. Cram's visit will be many and far reaching. One should be to increase in the minds of the men in the profession in England, respect for the work that is being done on this side of the water.

RECENT LEGAL DECISIONS

ORDER TO SUBCONTRACTOR HELD CONDITIONAL

An owner contracted for the erection of a building, undertaking to pay for the work and materials in five payments as the work progressed. After the second payment had been made, and before another installment became due, the contractor gave to materialmen an order on account of his contract for the payment of a certain sum, part to be paid when the plastering was completed and part when the trim was on. This order was accepted by the owner. Within a few days after and before another payment became due under the contract, the contractor abandoned the work, and it became necessary for the owner to finish it. It appeared from the evidence that the plastering was not completed and the trim was not on. In an action by the materialmen against the owner it was held that the order

was conditional on the contractor's earning the amounts specified under his contract, and the question of fact as to whether anything was due should have been submitted to the jury.

B. Young & Bros. Co. v. Snedeker, New York Appellate Division, 130 N. Y. Supp. 771 (J. S.)

DENIAL OF PERMISSION TO PERFORM CONTRACT AS GROUND OF DAMAGES

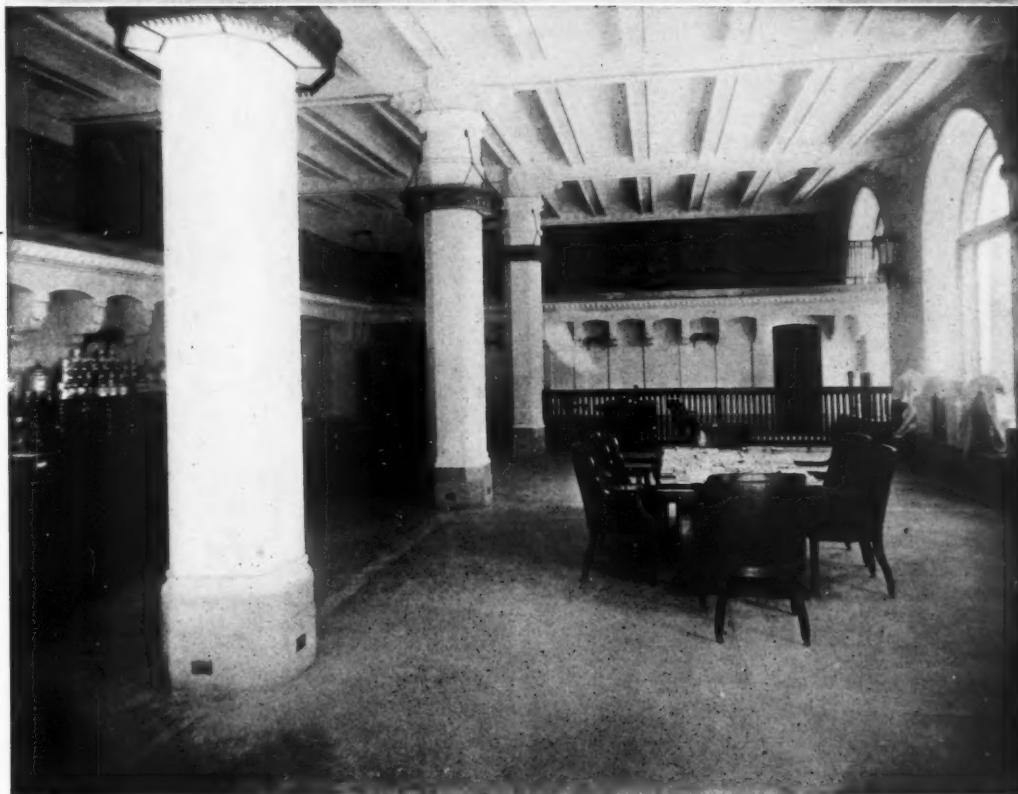
Where an owner refuses to permit a contractor to perform his part of the contract, the contractor, unless he waives this breach of contract, may recover the resulting damages; but where the court denies recovery on the ground that there would have been no profit to the contractor in the performance of the work, the court will not grant a new trial to permit the recovery of nominal damages.

Beattie v. N. Y., N. H. & H. R. R. Co. (Conn.) 80 Atl. 709 (J. S.)



THE H. W. JOHNS-MANVILLE BUILDING, MADISON AVENUE AND FORTY-FIRST STREET,
NEW YORK

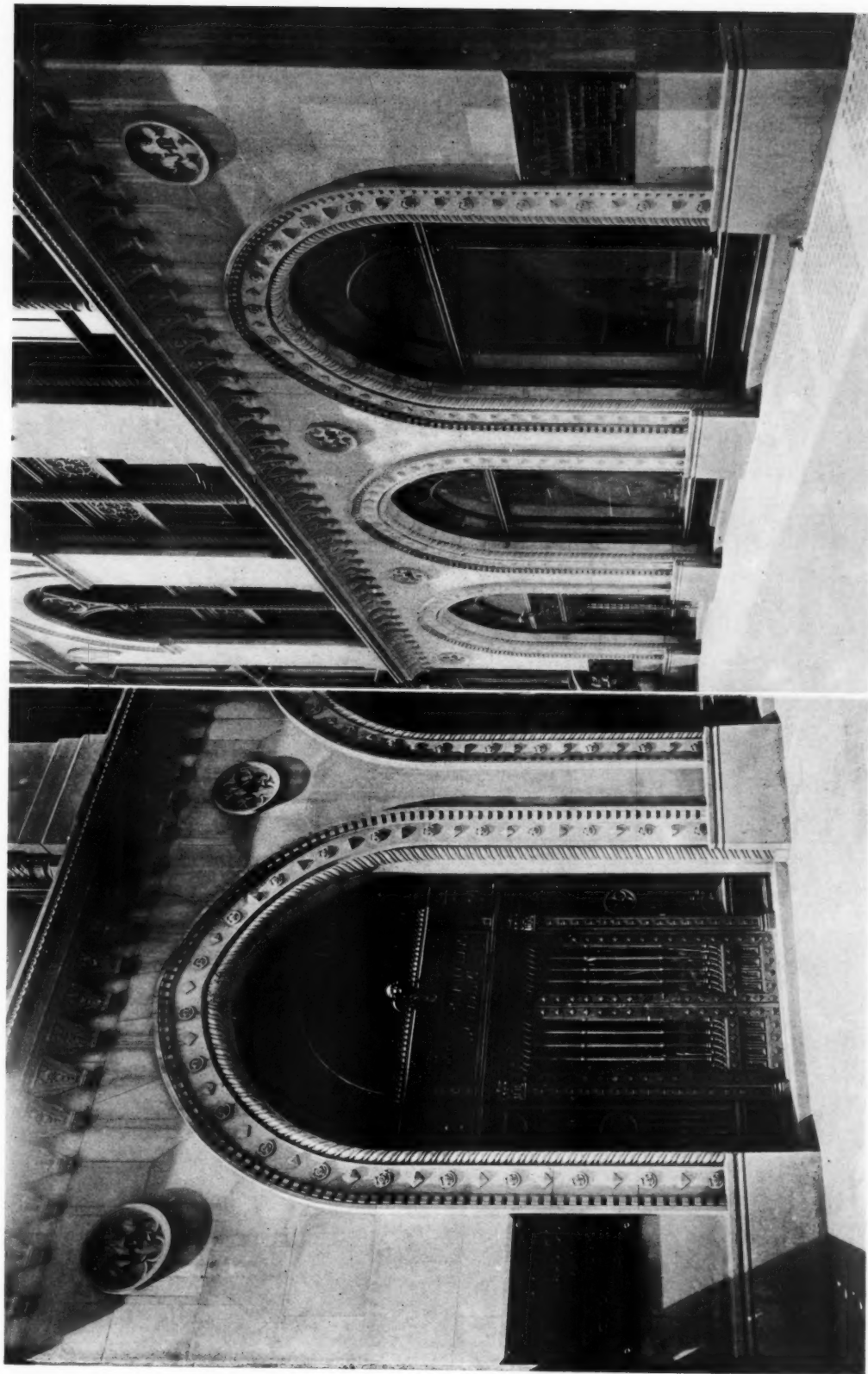
MR. AUGUSTUS N. ALLEN, *Architect*



ABOVE, EXECUTIVE OFFICES ON UPPER FLOOR; BELOW, THE SALES ROOM ON GROUND FLOOR

THE H. W. JOHNS-MANVILLE BUILDING, MADISON AVENUE AND FORTY-FIRST STREET,
NEW YORK

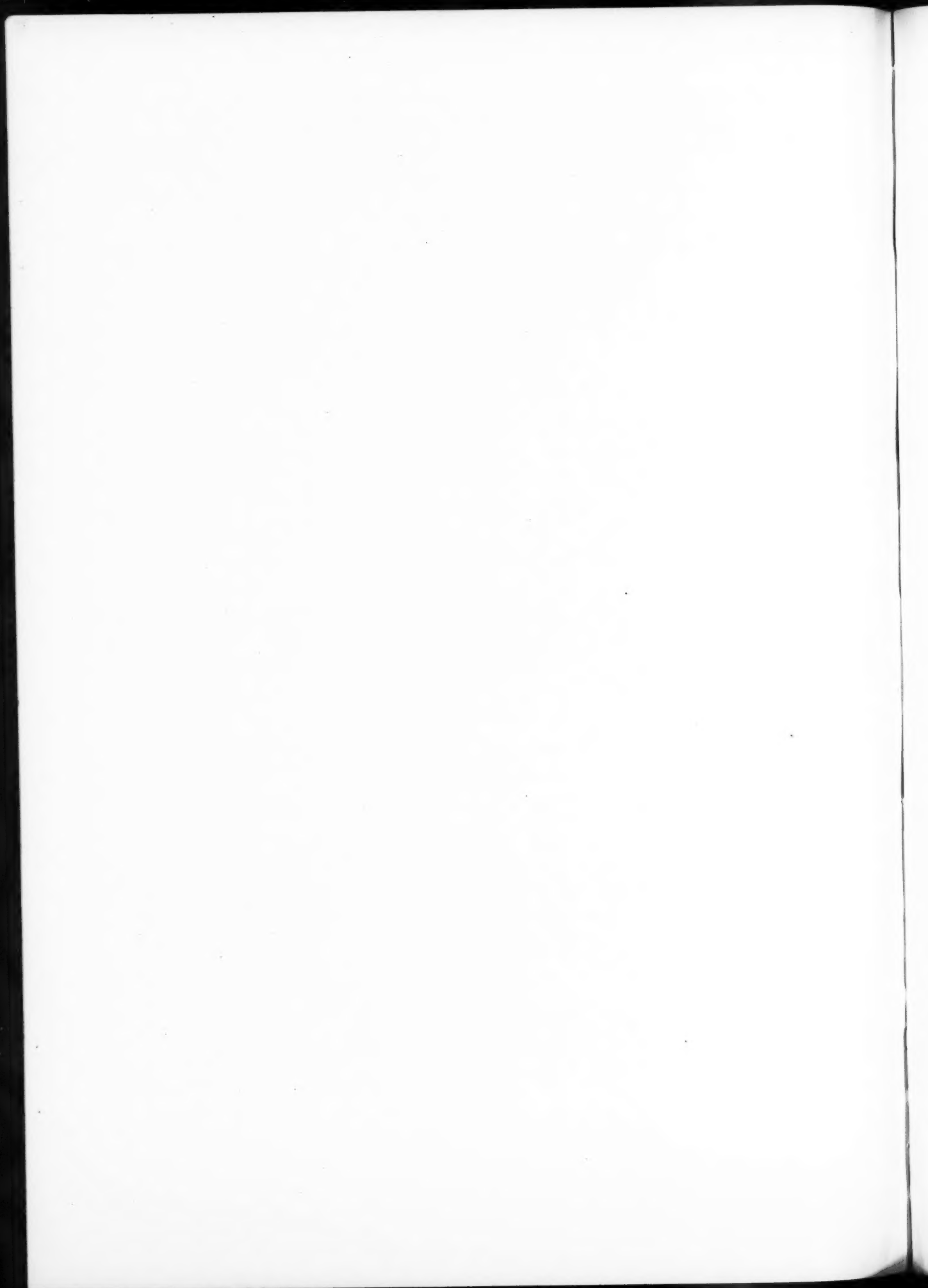
MR. AUGUSTUS N. ALLEN, *Architect*

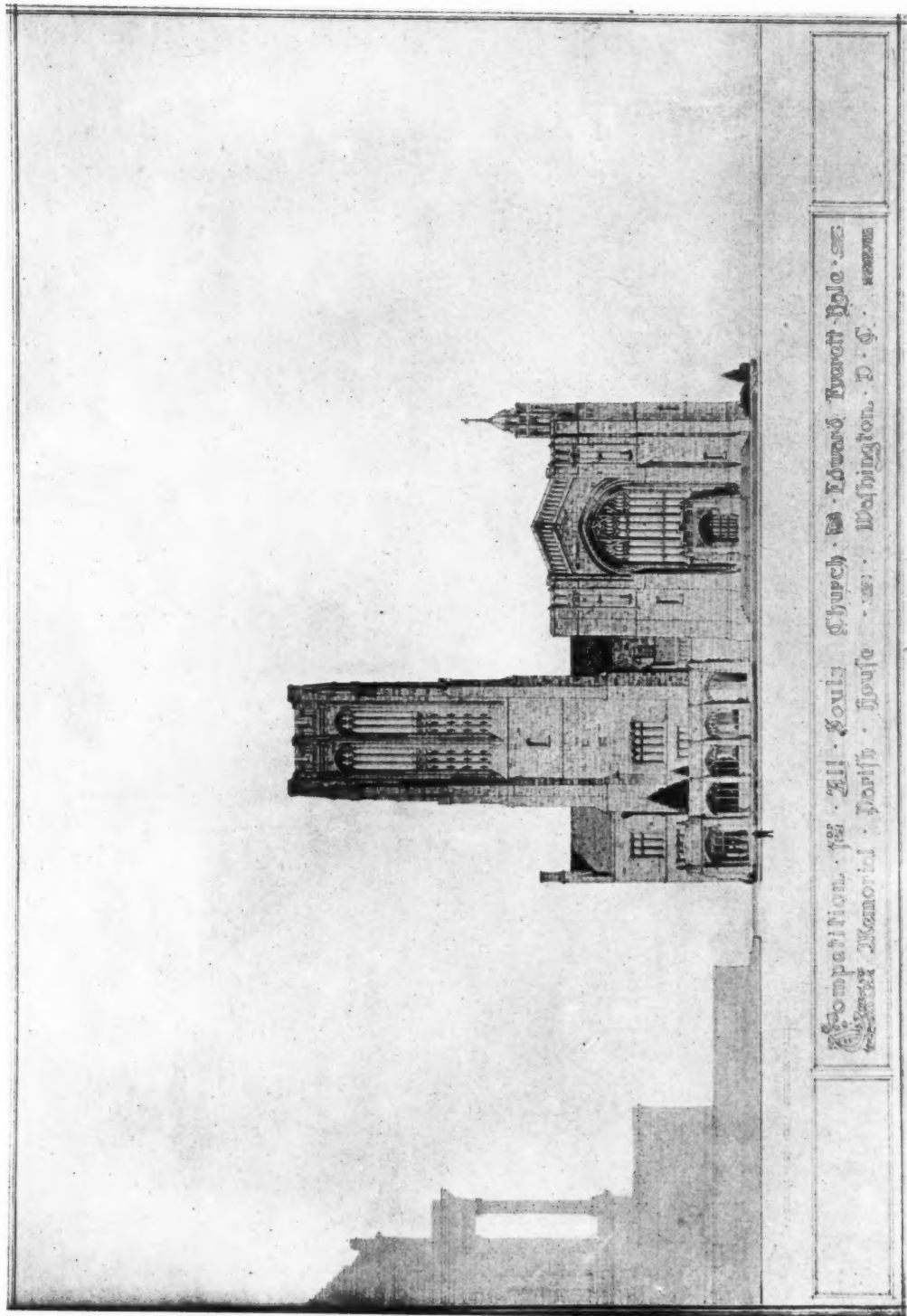


DETAILS OF LOWER STORY

THE H. W. JOINS-MANVILLE BUILDING, MADISON AVENUE AND FORTY-FIRST STREET, NEW YORK

Mr. AUGUSTUS N. ALLEN, *Architect*

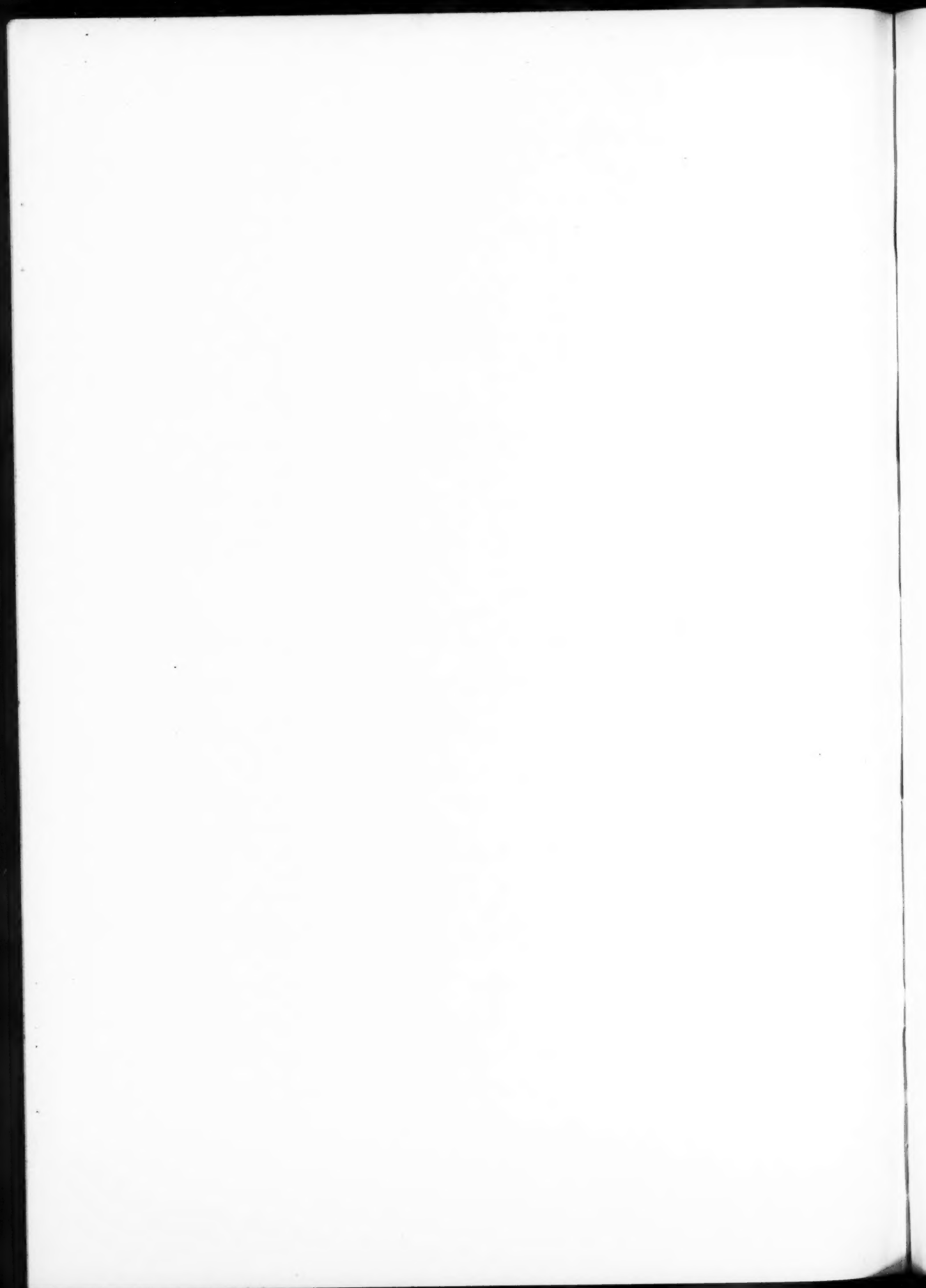


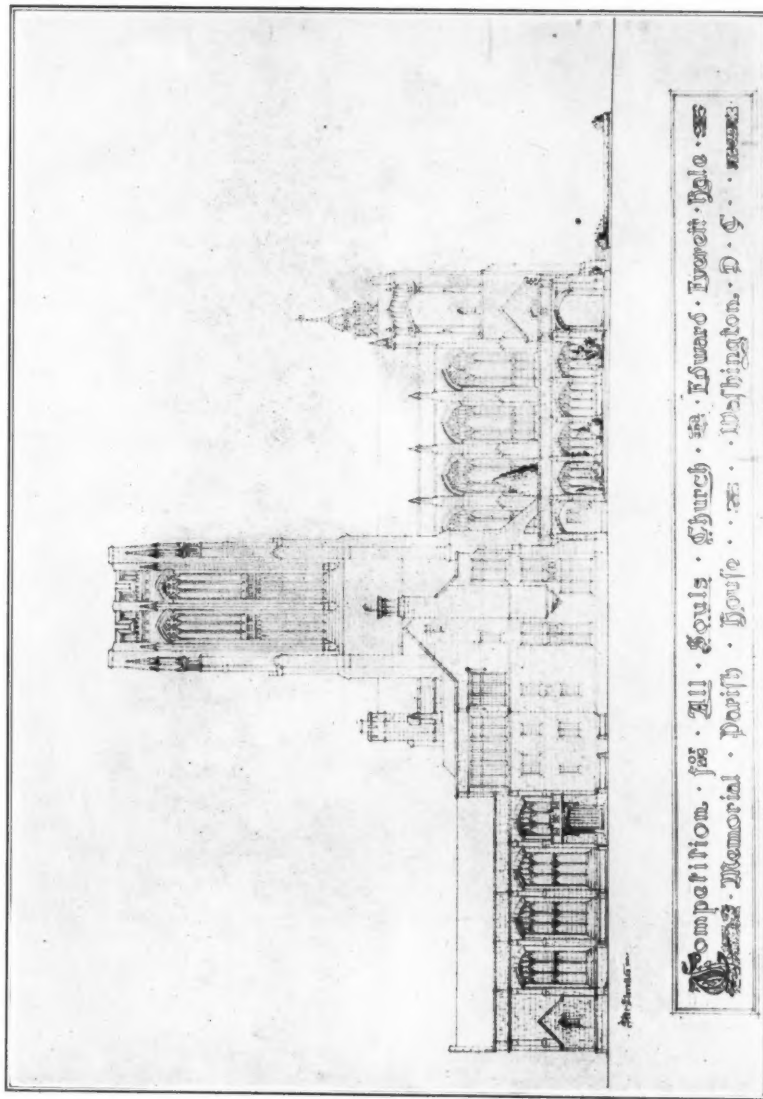


Competition for the Lincoln Memorial, D. C. Messrs. Wood, Donn and Deming, Architects

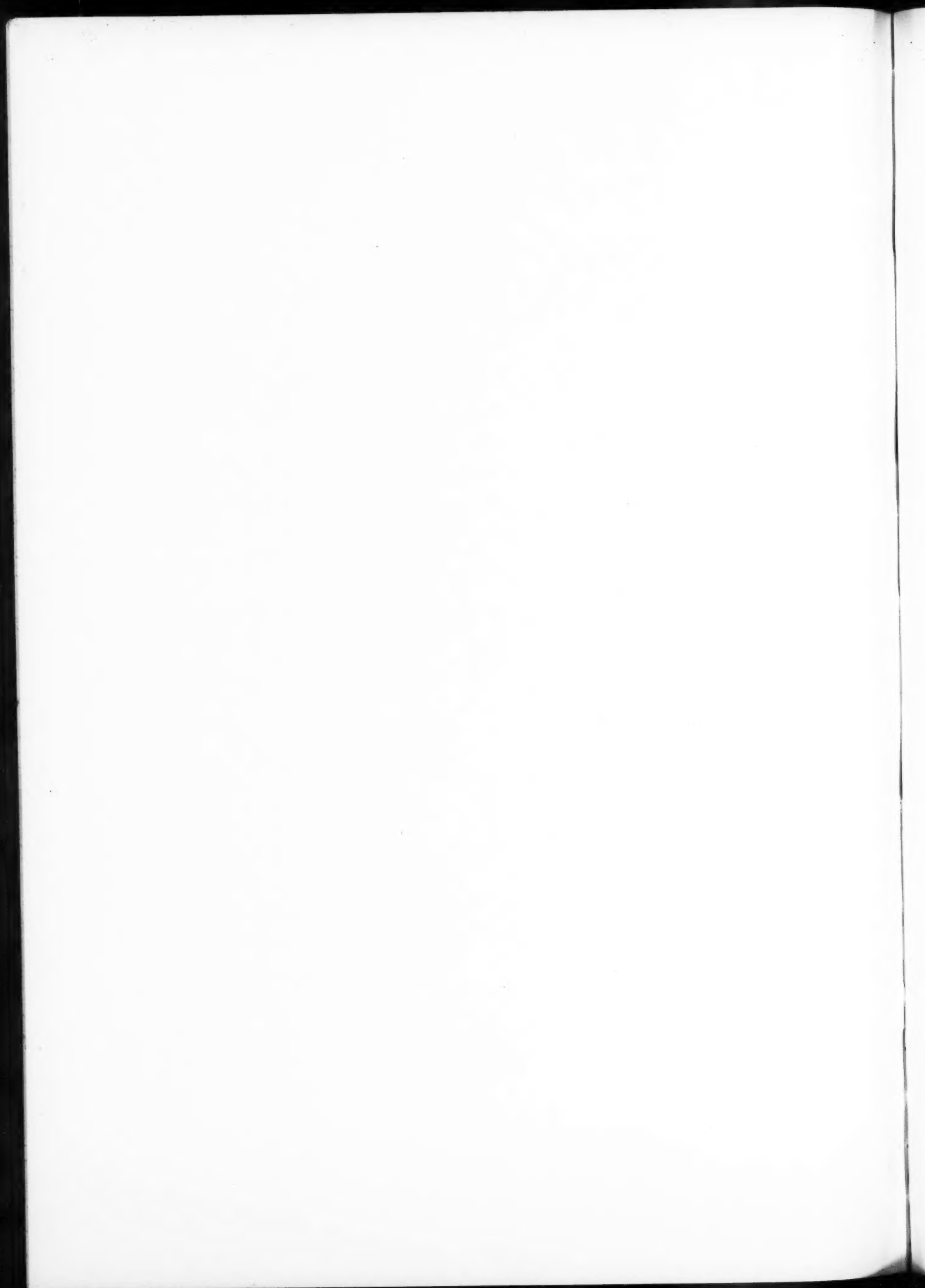
ACCEPTED DESIGN

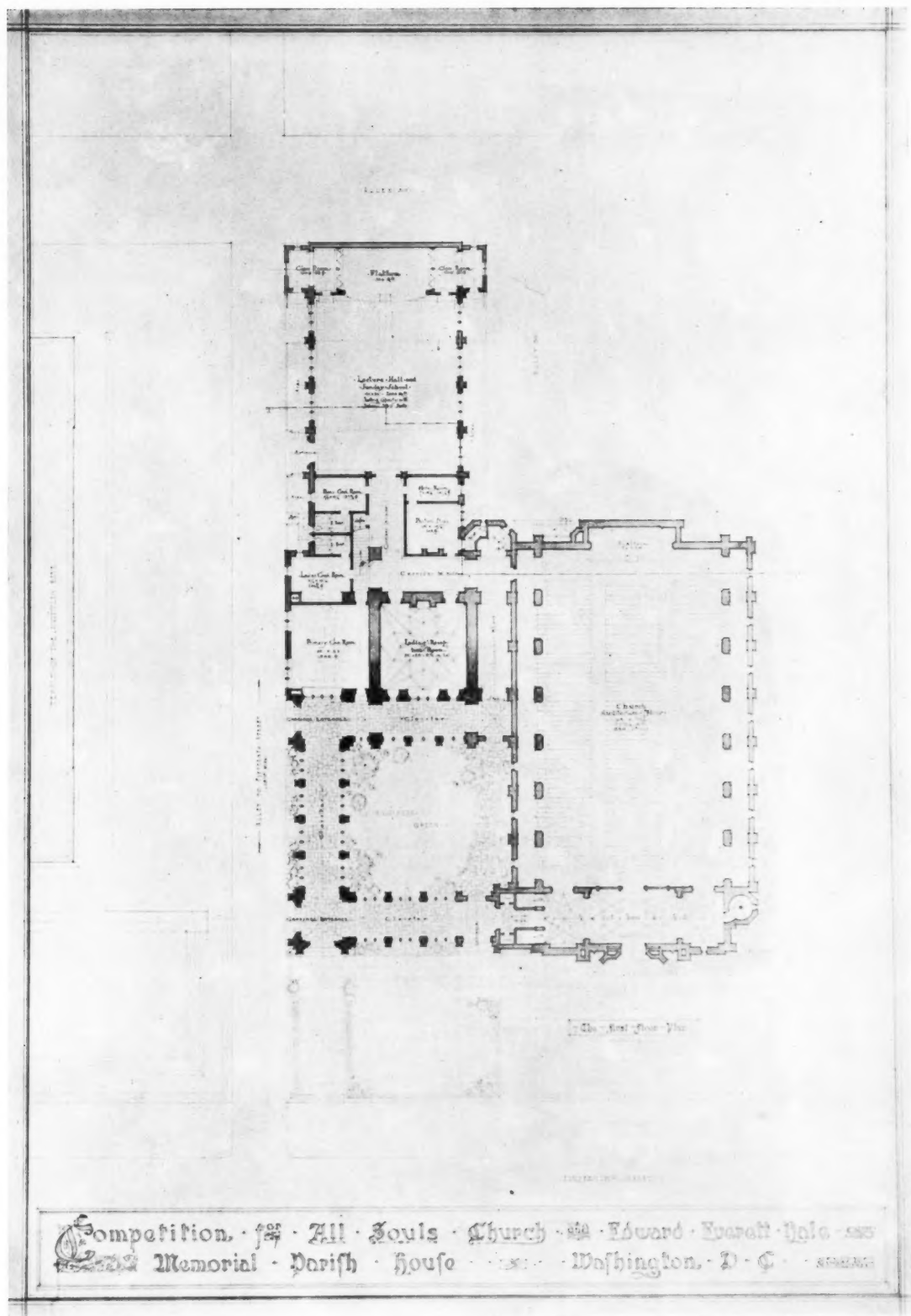
MESSRS. WOOD, DONN AND DEMING, ARCHITECTS





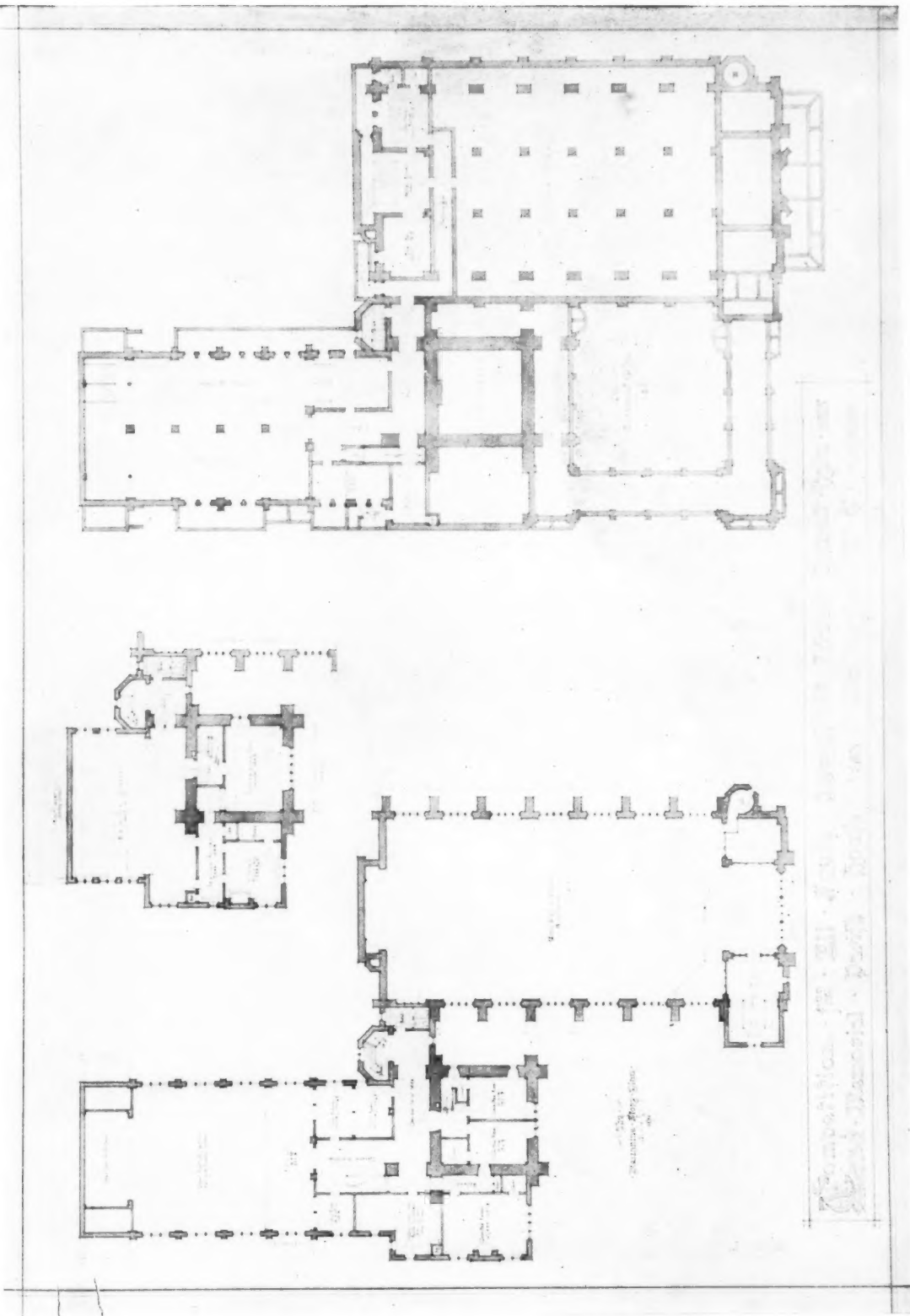
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MESSRS. WOOD, LOON AND DEMING, Architects





ACCEPTED DESIGN

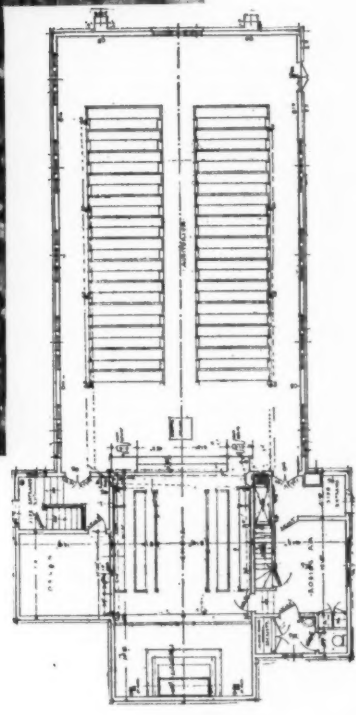
MESSRS. WOOD, DONN AND DEMING, Architects

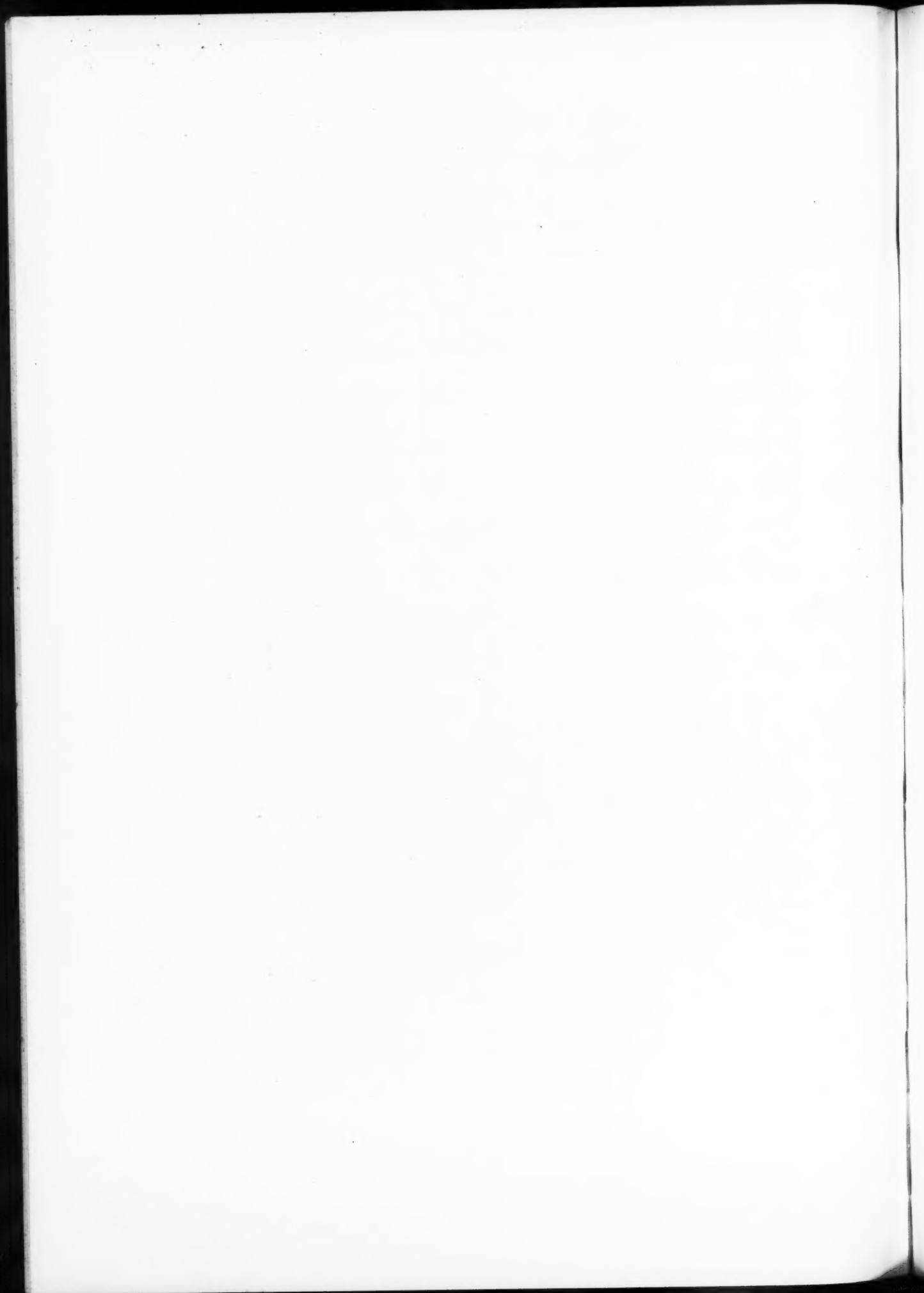


ACCEPTED DESIGN
MESSRS. WOOD, DONN AND DEMING, Architects



GRACE EPISCOPAL CHURCH, NORWOOD, MASS.
Mr. J. LAWRENCE BERRY, Architect







GRACE EPISCOPAL CHURCH
NORWOOD, MASS.

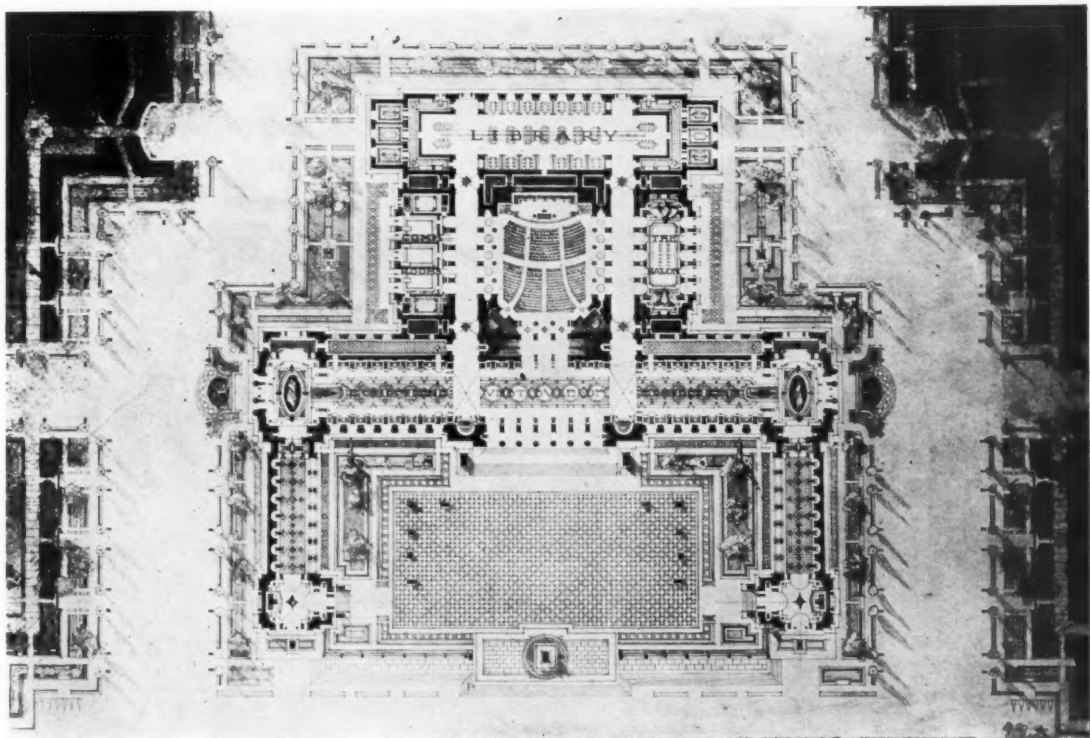
Mr. J. LAWRENCE BERRY, *Architect*



C. W. STEDMAN

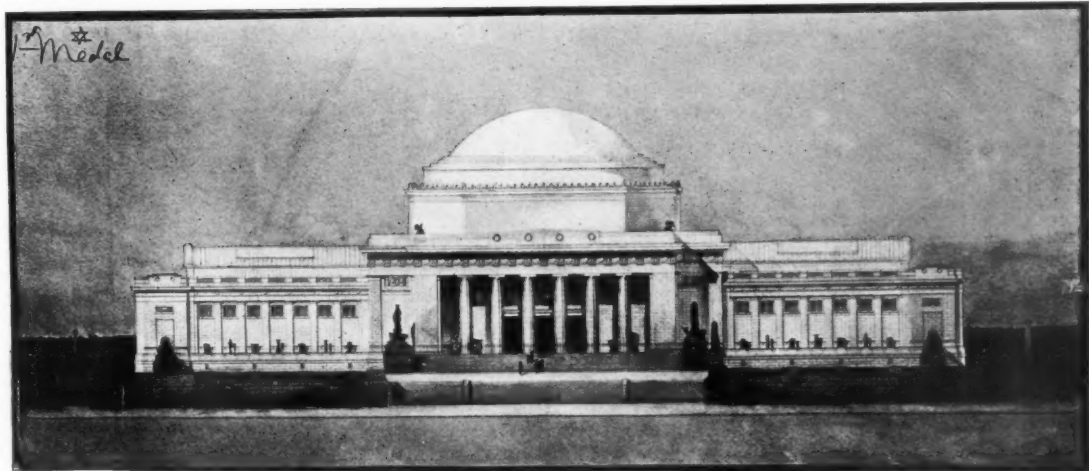
PLACED FIRST—FIRST MEDAL

UNIVERSITY OF PENNSYLVANIA



CLASS "A"—V PROJET (Problem in Design). AN ARCHAEOLOGICAL INSTITUTE

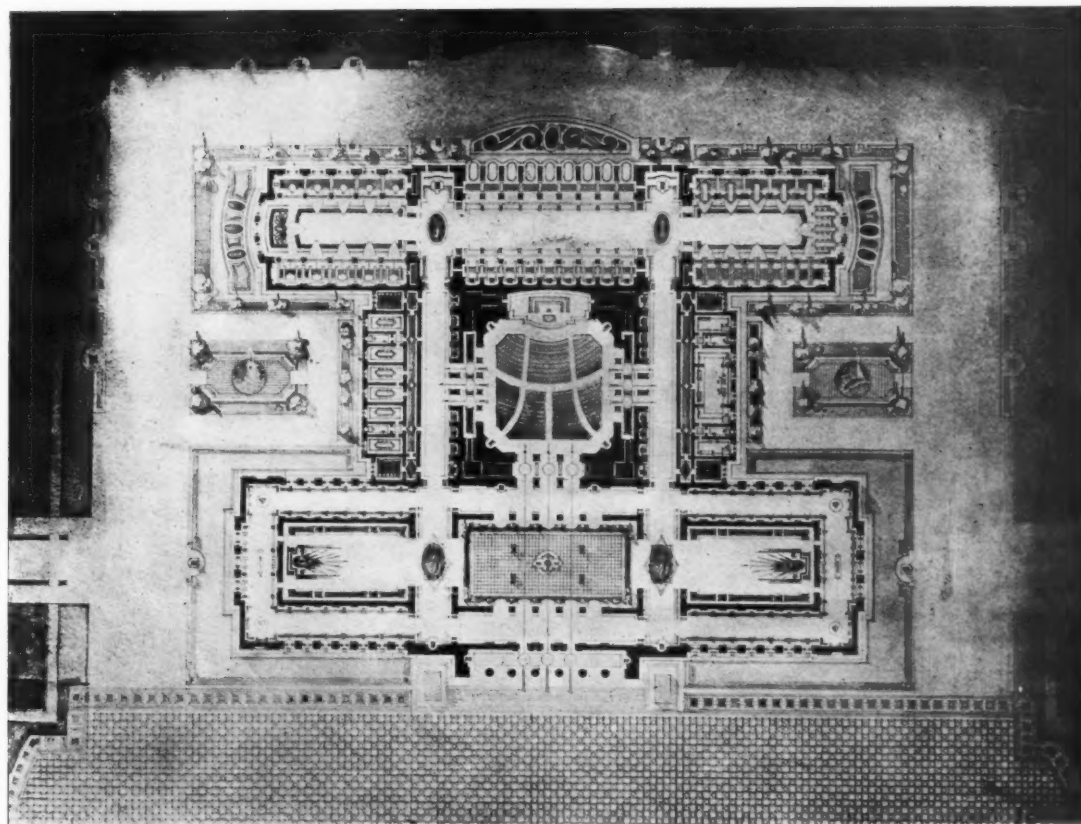
STUDENT WORK, SOCIETY OF BEAUX-ARTS ARCHITECTS



R. G. HOWARD

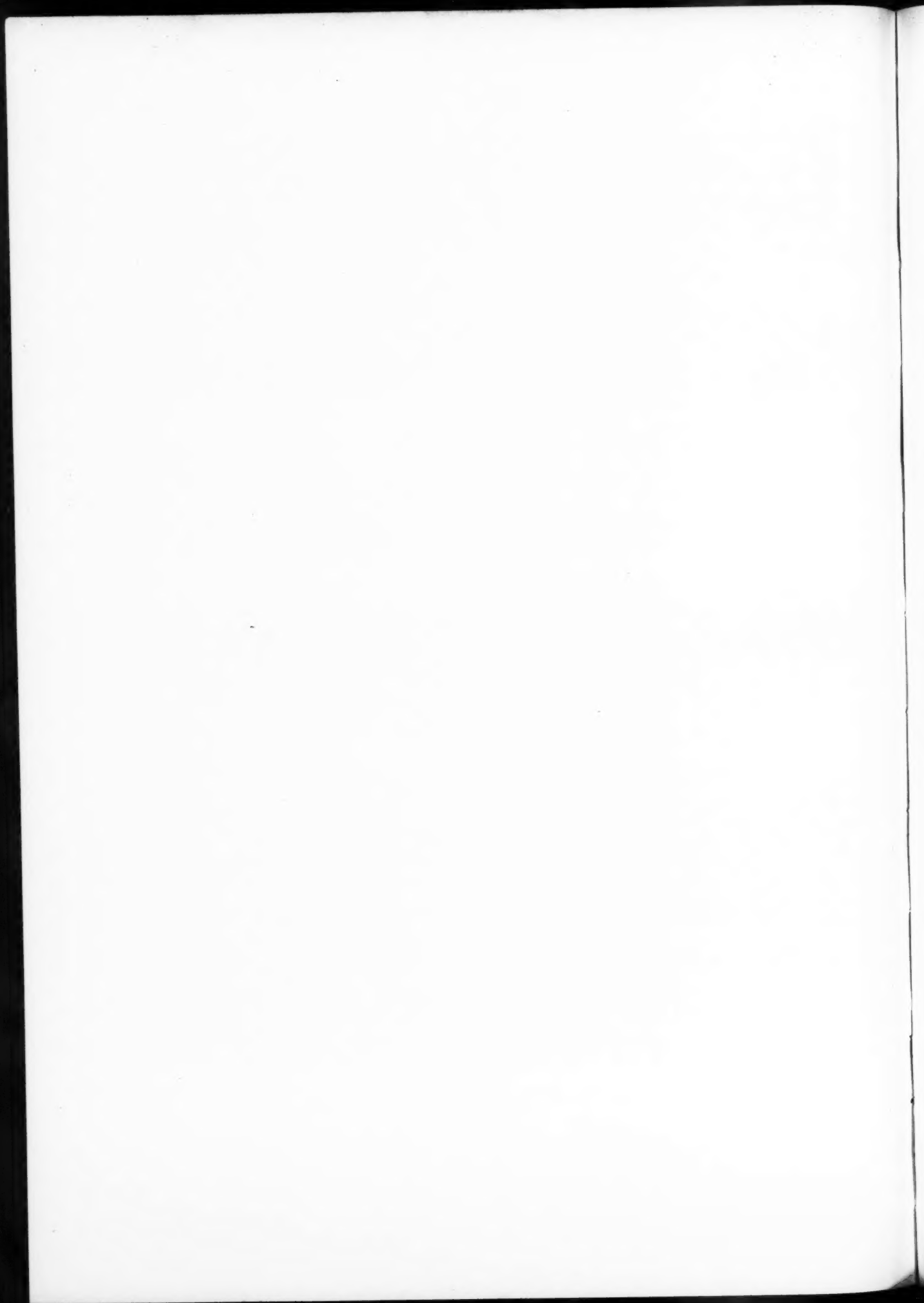
FIRST MEDAL

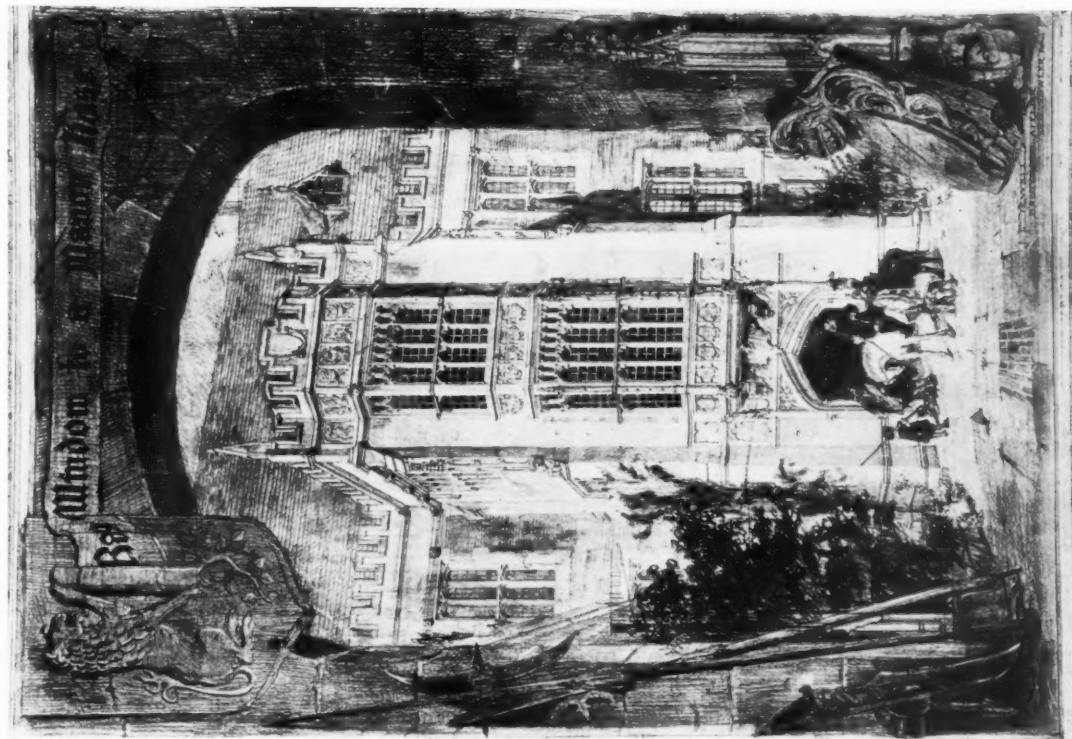
UNIVERSITY OF PENNSYLVANIA



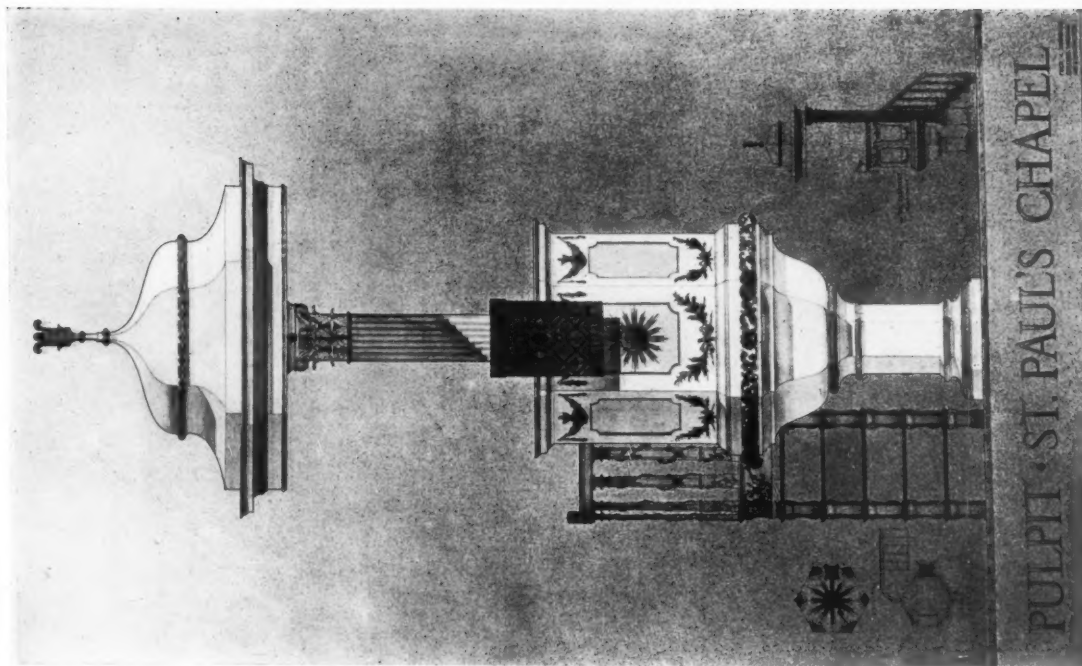
CLASS "A"—V PROJET (Problem in Design). AN ARCHAEOLOGICAL INSTITUTE

STUDENT WORK, SOCIETY OF BEAUX-ARTS ARCHITECTS





J. FLOYD YEWELL THIRD MEDAL ATELIER BALTIMORE
Class "A" & "B"—Archaeology—V Projet (Problem in Design)
Entrance Bay to a Manor House



FRED. J. KUCHLER THIRD MEDAL ATELIER WYNKOOP
PULPIT ST. PAUL'S CHAPEL
Archaeology—Measured Drawing

STUDENT WORK, SOCIETY OF BEAUX-ARTS ARCHITECTS



CURRENT NEWS AND COMMENT

Communications

To the EDITOR:—

A signal victory for the American Institute of Architects has been won in the revision of the program for the Missouri State Capitol Competition. The matter probably should not be considered in the light of a contest between the public and the profession; but rather as a notable instance of where the public was brought to realize that the code of competition is an instrument that guarantees an equitable and just contest for choosing an architect; that its adoption is of mutual benefit to the owner and to the architect.

The original program as written by the Capitol Board of Missouri called for a competition that entitled the Board to learn the author of each design before the actual award was to be made; and that a commission of five (5) per cent. was to be paid the architect instead of six (6) per cent., as set down in the schedule of Changes of the Institute. So vital were these two points at issue that the St. Louis Chapter and the Kansas City Chapter voted that it would be unprofessional for any of its members to enter such a competition. The National Committee on Competition of the Institute seconded this action. Upon notification of this united action on the part of the Institute, the Capitol Board invited the National Board on Competitions and a representative from the local Chapter to be present at a conference where the entire program might be gone over in detail.

Four members of the National Board of Competitions were present, Mr. Day and Mr. Medary of Philadelphia, Mr. Sturgis of Boston, Mr. Kimball of Omaha, Mr. Luppschuld, representing the Kansas City Chapter, and Mr. Klipstein, Mr. Young, Mr. Mauran, Mr. Russell and Mr. Barnett, representing the St. Louis Chapter.

The State Capitol Board after listening to the arguments of these gentlemen, who clearly and definitely stated the attitude of the Institute, heartily agreed to revise the program to its present form.

The law authorizing the building of a capitol for the State of Missouri contained the clause demanding that the Capitol Board, in order to safeguard the interests of the State, should first determine the ability and integrity of the architect before awarding the commission. In order to meet this requirement a double competition was decided upon, wherein the first stage would consist of a set of

competition drawings, accompanied by sufficient evidence to convince the Capitol Board of ability and integrity to execute important work.

By this preliminary contest, ten (10) men are to be chosen in accordance with their ability and skill as evidenced in the designs submitted, and in accordance with the evidence of ability to execute work.

The writer fails to find any valid objection to this preliminary contest. We feel that the determining factor in the final rating by the profession of one of its members would rest absolutely upon the merits of his designs, yet it is quite a different thing from the execution of a set of competitive drawings, and the final execution of the work. Such a competition naturally bars many of the younger men who have no important buildings to their credit and places such work in the hands of a few. The case of Charles Garnier and the Paris Opera is invariably cited by the men who oppose this section in the code. While we admit that many talented men are temporarily held back, we cannot conceive of a Charles Garnier appearing more than once in a century.

The law creating the Capitol Board called for the appointment of a superintendent whose duties should be to see that the contractor and the architect fulfilled their respective duties. Such lowering of the dignity of the architect is indeed a novel proceeding. That the State should be most evident; but this clause should hardly be construed to mean that such a superintendent would take precedence in authority over the architect. The actual wording of this section will naturally become a dead letter in the law.

The recognition on the part of the Capitol Board of 6 per cent. as an equitable compensation to the architect for his services is noteworthy and will prove effective upon the public as a whole in accepting the charge of 6 per cent. as a reasonable charge. The revised program as it reads to-day, may be called satisfactory in most respects. The manner of choosing the Advisory Jury which will decide the first stage of the competition is not entirely clear nor satisfactory; but in the second stage, the vital point, an anonymous, fair and just competition is assured, where the final result cannot be open to question, a result only made possible by the firm stand taken by the Institute.

GUY STUDY.

Southern Pennsylvania Chapter, A. I. A.

At the annual meeting of the Southern Pennsylvania Chapter of the A. I. A., held May 23rd, the following officers were elected:

John A. Dempwolf of York, President; B. F. Willis of York, Vice-President; C. Emlen Urban of Lancaster, Treasurer; M. I. Kast, Secretary. J. B. Hamme and T. H. Hamilton were elected Directors. The reports of the various standing committees were made, and in the evening a banquet was held at the Harrisburg Club.

The following special guests were present: C. Frank Baldwin, Second Vice-President of the A. I. A., John Hall Rankin, D. Knickerbacker Boyd, Albert Kelsey, and Glenn Brown, Secretary.

Coloring for Concrete Work

The following materials for colored concrete work have been recommended by an American authority, according to "Cement Age." The quantities given are per barrel of cement, mixed dry with the cement and sand. The sand must be thoroughly dry. In mixing the colors should be made deeper than the required tint, as drying results in bleaching. Venetian red and common lampblack should not be used, as they are liable to run and fade. The schedule for colors is as follows:

For brown, 25 pounds best roasted iron oxide; or 15 to 20 pounds brown ochre.

For black, 45 pounds manganese dioxide.

For blue, 19 pounds ultramarine.

For buff, 15 pounds ochre. (This is likely to considerably reduce the strength of the mixture.)

For green, 23 pounds greenish blue ultramarine.

For grey, 2 pounds boneblack.

For red, 22 pounds raw iron oxide.

For bright red, 22 pounds Pompeian or bright English red.

For purple, 20 pounds Prince's metallic.

For violet, 20 pounds violet iron oxide.

For yellow, 22 pounds ochre.

New Foundation for Cathedral Tower

The tower, 142 meters high, of Strasburg Cathedral, rests on foundations that are nearly 650 years old and have evidently become unsound, since for some five years past the doorway has shown cracks, which are continually widening. The remedy that has been decided upon by an international commission of architects is rather surprising. The tower is to rest on a platform constructed of oak tree trunks capable of supporting the eight million kilos which it weighs. The cost is estimated at more than \$30,000.—*Architectural Review*.

Book Note

THE MANSIONS OF ENGLAND IN THE OLDEN TIME.

By Joseph Nash. A new edition, containing 104 plates, 32 of which are in color. Full cloth, 10½ x 13½ inches. Price, \$10.00. New York: The Bruno Hessling Co.

Joseph Nash, draftsman and lithographer, born in 1809, lived to the allotted age of three score and ten. He early displayed a talent for the branch of art that earned him a high place in later years and, as a pupil of Pugin, assisted in his work.

Sturgis, in his dictionary of architecture, states that Nash's illustration of The Mansions of England in the Olden Time, is undoubtedly his greatest work.

It is fortunate that during a period when photography was yet an undeveloped branch of art, that there should have lived a draftsman so eminently capable of seeing and setting down with accuracy the detail of architectural construction, that was then rapidly falling to decay and much of which has now ceased to exist.

As a delineator of architectural subjects, Nash would seem to have been in the front rank. That his eye was accurate and that he was not led into inaccuracies by reason of his artistic enthusiasm in the manner of later illustrations is beyond question.

Comparison of some of the sketches in this work with photographs made during recent years of the same subject and almost identical point of view, insistently proclaim the hand of the restorer, and as insistently prove the accuracy of Nash's pencil.

As a work for suggestion and reference of certain periods of English domestic architecture, which undoubtedly possessed a grandeur and charm unequalled by later work, this book is of great value, and now that its reproduction in this country at a price that places it easily within reach has been accomplished, there can be no doubt that it will find its way into the libraries of many architects.

Personal

Mr. Herbert Lucas, architect, New York City, announces his removal to 340 Madison Avenue.

Messrs. Trowbridge & Ackerman, architects, New York, announce the removal of their offices to 62 West 45th St.

Mr. T. Paterson Ross, architect, and Mr. A. W. Burgren, engineer, San Francisco, Cal., announce the removal of their offices to the Babcock Building, 310 California street.

Mr. E. Stanley Field, architect, formerly of the firm of Waller & Field, Ft. Worth, Tex., and Mr. W. G. Clarkson, of Corsicana, Tex., have formed a partnership for the practice of their profession with offices in the Wheat Building, Ft. Worth, Tex.



VIEW LOOKING SOUTHWEST, SHOWING LOCATION OF THE H. W. JOHNS-MANVILLE BUILDING, MADISON AVENUE AND FORTY-FIRST STREET, NEW YORK.

INDUSTRIAL INFORMATION

IN this section will be found information concerning late catalogues issued by manufacturers of building materials, fixtures or equipment. Also under this head will be printed, from time to time, certain data relative to new devices or methods of construction considered to be of interest to architects. Architects are invited to make use of THE AMERICAN ARCHITECTS Catalogue Files and Information Department whenever they can do so to advantage. Any assistance we can render or information we can furnish in this connection will be freely given.

Self-Winding Clocks

To furnish a more general knowledge of the merits of the self-winding and synchronized clocks and accessories made by them, the Self-Winding Clock Company, of Grand and Willoughby avenues, Brooklyn, N. Y., have issued an attractive pamphlet which admirably serves the desired purpose.

A "self-winding clock" is self-winding inasmuch that its spring is automatically wound at certain intervals by a small electric motor attached to the movement. By this frequent winding it is claimed by the makers that a more even tension on the spring is assured, and as a consequence better time-keeping qualities attained.

Self-winding movements are made by this company in a variety of sizes, from the smaller sizes for office use to the largest tower clocks.

Electrical Specialties

Catalogue 19, issued by Pass & Seymour, Inc., Solvay, N. Y., illustrates the line of electrical spe-

cialties made by them. They desire to acquaint architects with the merits of their goods and will forward the catalogue on request.

In a special bulletin, No. 720, there is shown a night view of St. Patrick's Cathedral in New York, taken during the illumination in honor of Cardinal Farley. Messrs. Pass & Seymour state in this bulletin that they filled the order for 11,000 ready-wired receptacles on its receipt with no delay whatever, which they advance in confirmation of their claims to be able to promptly fill even the largest orders.

Tools and Accessories for Construction Work

Ernest Wiener Company, Hudson Terminal Building, New York, have recently issued a catalogue that illustrates the perfection of tools and accessories used in modern construction work, as well as permanent equipment for buildings. The care in designing and manufacturing cars, track-age and the many other utilities has resulted in in-

creased efficiency, saving of time and labor and a consequent economical performance. Industrial railways and their adaptability for handling coal and other materials in buildings is a subject of importance to the designer.

The pamphlet referred to illustrates many new designs of cars, trackage, etc., and will be found of interest to architects, engineers and contractors.

Monel Metal

Monel metal, for which the Biddle Hardware Company, 513 Commerce street, Philadelphia, are distributors, is a sheet metal for which a wide range of adaptability is claimed. It is stated, in a recently issued pamphlet describing this material and illustrating many very large and important structures where it has been used, that it is a natural alloy of nickel and copper and combines unusual strength with good resistance to corrosion.

It is recommended in building operations for roofing, and when in the form of rods and castings may be with advantage substituted for steel and bronze where corrosion is an expensive factor.

This metal is susceptible of a high polish, and it is stated takes on the appearance of silver when used where it is subject to friction.

The many uses to which it may be put, the various forms in which it is made, and the prices of standardized forms and sizes are shown in the pamphlet referred to, obtainable on request.

Flat Paint for Interiors

A sanitary "flat" oil paint for all interior painting, according to literature just received from them, is made by Benjamin Moore & Company, New York, Chicago, Cleveland and Toronto. A color card, showing a wide range of colors, together with full directions for use, will be mailed on request.

The makers claim that this paint is non-poisonous, as it contains no lead, and that its great covering qualities makes it an economical surface covering.

The fact that it can be washed and that the colors as applied are absolutely permanent—the white being guaranteed against yellowing—are further points of excellence claimed by the makers.

A Flat Slab Floor Test

The Concrete Steel Co., 29 Broadway, New York, have reprinted in pamphlet form an article which appeared in a recent issue of *The Engineering News* describing "A Test of a Flat Slab Floor in a Reinforced Concrete Building, and a Discussion of the Basis of Design for Reinforced Concrete Flat Slabs." It may be had on request.

This test, described in detail, is unusually thorough and the deductions as discussed by Mr.

Arthur R. Low, research fellow in the engineering experiment station of the University of Illinois, are of undoubted value.

Paints, Enamels and Stains

The Montauk Paint Mfg. Co., 170-172 Second avenue, Brooklyn, N. Y., make a special concrete floor paint which they claim enters directly into the pores of the concrete surfaces, knits it together and prevents the "sanding" which when carried into the air has been found to be not only unsanitary, but also injurious to machinery and delicate surfaces.

This floor paint it is stated has a covering capacity on first coat of from 200 to 300 square feet, and on second coat of 300 to 400 square feet. The covering capacity and the fact that no preliminary "filling" is necessary would seem to be features making the material worthy of consideration.

A small concrete block finished with the paint will be furnished on request, also samples of special colors.

Important Change in Metal Trade

Mr. Powell Evans, President of the firm of Merchant & Evans Co., with main offices in Philadelphia, and branches in principal cities of the country, has recently consummated the purchase of fifteen acres of land adjacent to Glenova, which is on the outskirts of Wheeling, W. Va., on the Ohio River, and a tract of the Pittsburgh main coal land alongside. He will remove their Tin Plate dipping plant, and possibly some associate departments, from Philadelphia to this new location by the coming Fall.

Fireproof buildings, 35,000 square feet area, will by that time be finished, and the production of this plant will, it is said, run between three and four hundred thousand base boxes tin and terne plates per annum.

Sand Blasting Machines

The American Diamond Blast Company, No. 209 West Thirty-third street, New York, are makers of portable compressed air outfits. These they state are specially adapted for all kinds of surface cleaning where a sand blast has been demonstrated as an efficient method.

For removing old paint from stove or metal, or for frosting glass or metal surfaces, the makers state that these machines have been found particularly serviceable.

This company also makes "A. D. B. Hydrolytic Cement Coatings" for application to either inside or outside surfaces of walls of any class of masonry.

Circulars describing the sand-blast machines and the waterproofing coatings may be had on application.

CURRENT NEWS AND COMMENT

February Meeting of the Philadelphia Chapter. A.I.A.

In addition to the minutes of the previous stated meeting in January, the Secretary read the minutes of the five weekly meetings of the Executive Committee held since then.

After routine business, including reports of committees, the Secretary announced the election to Chapter membership of the following persons: Messrs. William Holmes Cookman, John Frederick Harbeson and Arthur Ingersoll Meigs.

The Secretary referred to the Supplee resolution in City Councils by which it is proposed to grant temporary leases for some city property on the line of the parkway, pending the razing of buildings on other portions, and on behalf of the Chapter offered the following resolutions:

Whereas, the adoption of the Supplee resolution now pending in the City Councils will tend to delay or indefinitely postpone the opening to traffic of the parkway, and

Whereas, any postponement of the completion of the parkway will increase the ultimate cost to the City, and

Whereas, the parkway constitutes a new and important diagonal artery of communication leading direct from the heart of the city to the park, to West Philadelphia and to a large section of the city north of the Park, for convenience of the resident in those sections and to the enhancement of property values, and

Whereas, the adoption of the Supplee resolution will attract to the center of the city and at the termini of the railroads a class of temporary improvements tending to continue the inferior character of many of the buildings already existing in this section, and

Whereas, the construction of the parkway as rapidly as the City's finances will permit, together with assurance of the permanency of its lines, will encourage those institutions which have under consideration locations upon it, and will warrant early and definite steps for the completion of their buildings, which structures will enhance the distinction of our municipal center and bring together a series of great buildings devoted to the best interests of the community, and

Whereas, the immediate completion of any other structures, such as the Soldiers' and Sailors' Monument, on the axis of the Parkway, will give such assurance of the permanency of the official plan, therefore, be it

Resolved, that the Philadelphia Chapter, American Institute of Architects, urges upon Councils the rejection of the Supplee resolution or any modification thereof which contemplates postponing the completion of the Parkway.

On motion these resolutions were adopted with instructions that they be forwarded to the Mayor and to the Presidents of Common and Select Councils and to the press and architectural publications.

Mr. Thomas called attention to certain conditions

affecting the Atelier now being conducted at the University of Pennsylvania, stating that at the present time but two courses, namely, Elementary Mathematics and the History of Architecture, have been conducted, but that the curriculum should include "Construction," making three courses of twenty-five lectures each. The cost of two courses had thus far been met, but three courses would entail a deficit on the basis of the funds now in sight.

Mr. Medary offered the suggestion that the Chapter should guarantee any possible deficit irrespective of the T-Square Club. On motion of Mr. Molitor it was ordered that the sum necessary to meet the expenses of the Atelier as referred to be guaranteed by the Chapter, and that the Atelier Committee be authorized to immediately announce its three courses of lectures as outlined in Mr. Thomas's presentation of the matter.

The Chapter then proceeded to consider the subject of Office Practice, as announced in the call for the meeting. The discussion was opened by Mr. Boyd, who in a brief address proceeded to outline various details that might be made the subject of future consideration at Chapter meetings. He dealt with the necessity for a document which should form clearly a basis of understanding between architect and owner—a document which might eventually be adopted or amended by the Institute as one of its standards—a combination for instance of the Schedule of Charges, Code of Ethics and circular relating to Competitions, with such additions as might be found desirable after thorough discussion on some stated occasions.

In the line of information desirable for architects to have and to aid in bringing about a closer understanding between the architect and owner, he suggested that persons of authority be asked to address the Chapter and invited guests on Real Estate Investments, Settlements, Mortgages, Transfers, Lien Laws, Insurance and other related subjects. Mr. Boyd referred to the standard contracts, General Conditions of Specifications, etc., already adopted with such success by the Institute, and also dwelt on the desirability of standardization of certificates, notifications and other office documents and compared various methods of procedure in many matters concerning office practice and in the architect's general conduct of affairs.

Mr. Kelsey followed with a statement as to the great benefit that would result to the members from an interchange of ideas on these subjects, and after a general discussion by the members present the meeting on motion adjourned with the understanding that some of the matters touched upon would be made the special order of business at subsequent meetings.

Akron, O., Architects Organize

At a recent meeting of members of the profession located in Akron, O., and vicinity, a club was organized under the name of the Akron Architectural Club.

The officers elected were: President, M. E. Harpster; Vice-President, H. A. Brooker; Secretary-Treasurer, M. C. Peck.

The spirit of co-operation in the organization was very marked, every office in the city, it is reported, being represented in the meeting.

Milwaukee Limits Height of Buildings

The new ordinance of the Milwaukee Building Code Commission, submitted to the Common Council, provides for a height limit to buildings of 225 feet, or approximately eighteen stories, providing the street on which they face is at least 80 feet wide. The present restriction is twice the width of the street. It is further provided that all parts of the building must be of fireproof construction.

The Architects of the Cathedral of St. John the Divine

In a recent issue of *The New York Times* there was published a view in perspective of the proposed Synod House on Cathedral Heights, and its authorship credited to Mr. R. A. Cram, and further stating that Mr. Cram was the architect of the Cathedral of St. John the Divine. Mr. Cram has written a letter to *The Times*, which they print, and as this very clearly outlines the status of the various men and firms engaged in the work, we reprint it as follows:

To the Editor of *The New York Times*:

You printed on Friday, March 1, a view of the proposed synod house for the Cathedral of St. John the Divine, together with certain expository reference thereto. Some of these are inaccurate.

I am now the architect of the synod house, which is in the hands of the firm of Cram, Goodhue & Ferguson, of which I am only one member. I did not displace Mr. LaFarge as architect to the Cathedral last June. Mr. LaFarge having completed all the work provided for under his contract with the Trustees, there is, properly speaking, no "architect for the Cathedral." A number of architects are engaged on the Cathedral itself, its decoration and its allied and adjacent buildings. These comprise at the present time, in addition to Mr. LaFarge himself, Mr. Henry Vaughan, Messrs. Carrere & Hastings, Messrs. Walter Cook and Winthrop A. Welch, Messrs. Warren & Wetmore, and Messrs. Cram, Goodhue & Ferguson. I myself am consulting architect to the Cathedral, and have a general supervision over the work of the several architects employed thereon, but I am not in any sense whatever "architect of the Cathedral."

Several of those who are at present carrying out work at Cathedral Heights for the Trustees were appointed before Mr. LaFarge's contract was completed, as, for example, Mr. Vaughan and Messrs. Cook & Welch; the others have been appointed to do certain specific work since the completion of the original

contract. The fact that a firm, or any given architect, is at present engaged on such specific work at the Cathedral does not make such architect or firm in any sense "architect to the Cathedral."

I desire finally to emphasize most strongly the fact that I have not "displaced C. Grant LaFarge, designer of the Cathedral, as its architect, last June. I accepted, and now hold, an entirely new office, which is wholly and exclusively that of "consulting architect to the Cathedral."

Austrian Academy to Occupy Villa D'Este

Austria, following the example set by America, will adopt an historical villa for use as a School of Art.

Permission has been given, it is stated in press reports, by Prince Francis Ferdinand, who owns the Villa D'Este, at Tivoli, near Rome, that it should be used for an academy of art.

Every visitor to Rome familiar with this historic structure will learn with satisfaction that it is to be preserved and that it will be used for so dignified a purpose. Constructed about 1550, by the Cardinal D'Este, a patron of the arts, he took care that it should embody the best of the architecture of the period and on its completion placed within the rarest statuary and paintings of his collection. Ligorio, of Naples, was the architect of the building. While the villa of to-day has been depleted of its greatest art treasures, it is still pleasing to the eye and is annually visited by many tourists as one of the "show places" of Italy.

A New York State Commission to Regulate Heights of Buildings

Senator Wagner has introduced a bill authorizing the Mayor of the city of New York to appoint a commission of not more than nine or less than six persons to investigate the subject of regulating and restricting the height and size of buildings hereafter to be built or altered in New York City. If the commission decides such a plan is desirable it is to report back to the Mayor within a year what it considers the best methods for carrying it out.

The commission is also to decide whether the city should be divided into districts so that the size and height of buildings may be regulated on a different basis, and it is to hold public hearings in all the boroughs of the city in order to get the subject before the taxpayers.

German Architects to Visit America

It is stated in cable despatches that the German Museum for National Science and Technic at Munich will send three representatives to this country to study American museum and library buildings. The Munich institution is about to erect a library building and desires to investigate the way these buildings are planned in this country.

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Atlantic Terra Cotta Co. Institutes Night Classes in Modeling

Mr. Charles Keck, head of the modeling department of the Atlantic Terra Cotta Co., will, it is stated, organize in a few days a series of night classes in modeling in Perth Amboy, where the works of the Atlantic Co. are located.

This action, it is further stated, is the result of a suggestion made to Mr. Keck by the Society of Beaux-Arts Architects. Anyone interested will be eligible to membership and there will be no dues.

Architectural terra cotta has become such an important industry that the necessity for specially trained modelers, capable of producing designs and subjects that would meet the insistent requirements of architects, has been appreciated. The school of modeling will endeavor to discover latent talent and direct it along the lines that will best develop it.

Prizes for Invention of a Non-Slipping Rubber Roadway

An important announcement is to be made at the International Rubber Exposition which opens at the New Grand Central Palace in September next. Seventy-five hundred dollars has been subscribed by a number of men connected with the rubber industry and is to be offered to the inventor or inventors who can suggest the best method of making rubber non-slipping for pavements, roads, etc., or for any other use to which it may be put in all atmospheres and for all kinds of traffic. The idea is to divide the sum into three prizes. An important point is that the inventor or inventors will have absolute right in the invention, the patent being conveyed free to the successful competitor or competitors.

Metallic Packing

The best engine ever built will fail to render efficient service unless its equipment is in keeping with its high grade of manufacture.

The changing of types of machinery during recent years has resulted in the substitution of high pressure for low pressure service. Superheated steam is now generally used. Enormous hydraulic pressures are now carried, and all these improvements have demanded the most exacting performance of the packing used.

To meet these requirements the Power Specialty Co., of 111 Broadway, New York, have perfected

the Duval Metallic Packing, which they claim will render uniformly satisfactory service under most strenuous conditions. This packing briefly described is of fine white alloy wire accurately plaited in square form. The manufacturers state that it has great toughness and heat resistance and cannot burn when submitted to the highest temperatures.

Gasoline Storage Outfits

The question, and a most important one, of the safe and proper handling and storage of gasoline, whether in the garage, or in any one of the many uses to which gasoline is now put, is discussed in a series of advertising pamphlets issued by the Leader Iron Works, of Decatur, Ill. These pamphlets may be had on request.

The Leader Iron Works have constructed tanks and outfits for gasoline for a number of years, and believe that they have evolved systems that will meet all requirements as to efficiency, safety and cost.

Concrete in Pavement Construction

A periodical called *Permanent Pavement*, issued by the Universal Portland Cement Co., Chicago and Pittsburgh, is devoted to the use of concrete in road construction.

The March issue contains articles on the scientific construction of roads and much valuable data on their maintenance and repair. *Permanent Pavement* is published for free distribution.

Regal Sash Cord

The Puritan Cordage Mills, of Louisville, Ky., have issued a folder containing data relative to a series of comparative tests of various brands of sash cords and other materials used for the same purpose, which it is said have been conducted by the United States Government and certain technical institutions. Information of this character should prove of value to architects. It may be had upon request by those interested.

Lead Pipe

Probably that enthusiastic but slangy individual who assured his hearers that the scheme he sought to promote was a "lead pipe cinch" meant to convey the impression that it possessed in an eminent degree the attributes of reliability and safety. We

believe he did. Lead pipe, honest lead pipe, has been used for more than two thousand years. The right kind is an essential part of good plumbing.

The National Lead Co., whose offices are in principal cities, issue many well-prepared pamphlets. Among these is one entitled "Good Plumbing," in which is contained many valuable suggestions for the selection and use of lead pipe in plumbing operations.

Garbage Destructors

The necessity for a sanitary and efficient method of prompt disposal of garbage and other waste, the even temporary storage of which is conceded to be most unsanitary, has evolved a number of types of destructors.

Among these is one made by The Destructor Co., 111 Broadway, New York, which is very fully explained in an illustrated pamphlet to be had on request.

Independent Water Supply

The man who builds his house outside of the zone of the city's water supply sometimes finds that, owing to faulty installation of apparatus or the insufficiency of his water supply, he cannot get water into his house and he is put to much inconvenience and large expense.

It is therefore incumbent to carefully investigate the independent system to be installed. As an aid in these matters the Power Specialty Co., 111 Broadway, New York, makers of High Duty Hydraulic Rams, have published a pamphlet descriptive of these pumps which also contains information and suggestions in the work incidental to the location and installation of independent water supply systems.

Roofing Tin

The dweller in the United States, particularly its Northeastern section, is painfully aware of the variability of our climate. He knows the quick changes of temperature, the alternate days of rain and snow and freezing weather, and, if he is engaged in the building business, he also knows how rigid a test do these climatic changes give to building materials.

The roof probably bears the brunt of these tests, and N. & G. Taylor Co., Philadelphia, Pa., makers of tin plate of all descriptions, believe that their long experience and familiarity with roofing tin enables them to provide just the tin that is necessary to withstand the wear and tear of extremes of temperature and the heavy storms of wind, snow, hail and rain.

They are makers of "Target and Arrow" Tin, which they claim is particularly fitted for roofing. They will send full particulars on application.

Sash Pulleys

The refinement of detail in construction goes steadily forward. Not content with realizing a high state of efficiency in the many utilities that enter into the modern building, manufacturers are adding those refinements of design, where possible, that make the article, not only efficient in operation, but pleasing to the eye.

We dwell on efficiency and good design in this case because it suggests itself in looking through the catalogue of Sash Pulleys of pressed metal made by The American Pulley Co., of Philadelphia. The goods are well illustrated and described and the catalogue may be had on request.

Tile

The National Tile Co., whose main office and factory are at Anderson, Ind., are manufacturers of wall, floor and fireplace tile.

Among the many styles illustrated in a recent catalogue, to be had on request, is an anchor back wall tile for which the following advantages are claimed:

No air pockets can exist between the tile and the cement in which it is set; it has a large positive grip and remains solidly fixed, and it can be set on floated cement backing, thus effecting a considerable saving in time.

The catalogue referred to illustrates numerous large buildings in which National Tile have, it is stated, been successfully used.

Painting the House

When the selection of the color scheme for the exterior of the house is left to the judgment of the client, there are often disastrous results. The whole structural effect can be marred by bad color selection. It is therefore well to leave these matters to the architect. His judgment is trained and can ordinarily be relied upon.

Not only does he know more about color, but, what is of even greater importance, he should be thoroughly informed as to quality. To aid the architect in securing familiarity with grades and to suggest color schemes that are based on good form The National Lead Co., whose offices are in principal cities, publish a pamphlet entitled "Correct Color Schemes." This contains valuable suggestions based on experience, on painting the house in harmony with its architecture and its setting, together with simple hints on shrubbery arrangements.

This is along the lines of advertising that serve to promote the knowledge of standard articles and also place in the hands of architects suggestions that are helpful in selecting and specifying.

Cabot's Old Virginia White

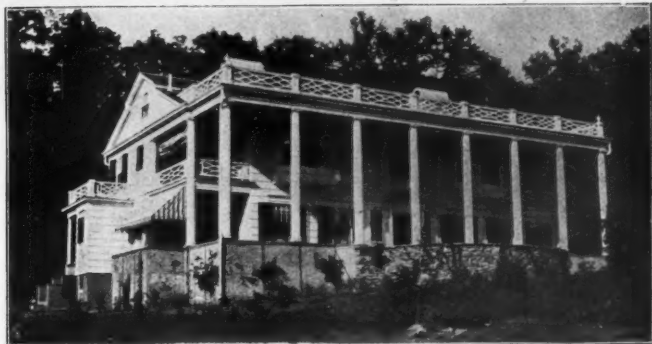
A Soft, Clean White for Shingles, Siding and all other Outside Woodwork

A shingle-stain compound that has the brilliant whiteness of whitewash, with none of its objectionable features, and the durability of paint, with no "painty" effect. The cleanest, coolest and most effective treatment for certain kinds of houses

Sample and Circular Sent on Request

**Samuel Cabot, Inc., Mfg. Chemists,
Boston, Mass.**

1133 Broadway, N. Y. 350 Dearborn Ave., Chicago
Agents All Over the Country
Cabot's Creosote Stains, Waterproof Cement and Brick Stains.
"Quilt," Conservo Wood Preservative



Finished with "Old Virginia White." E. K. Rossiter, Archt., New York.

THE L. SCHREIBER & SONS CO.

STRUCTURAL STEEL CINCINNATI ORNAMENTAL IRON

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

**OKONITE
INSULATED**

ELECTRIC LIGHT WIRES

Are pronounced by leading Architects to be **SAFE, DURABLE** and **EASILY ADJUSTED** for the inside wiring of **PUBLIC** and **PRIVATE BUILDINGS**.

**Sole
Manufacturers**

THE OKONITE CO., 253 Broadway, New York

CENTRAL ELECTRIC CO., Chicago, Ill., General Western Agents
Novelty Electric Co., Phila., Pa.

F. D. Lawrence Electric Co., Cincinnati, O.



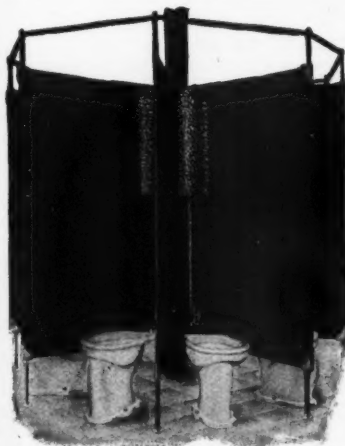
**TRADE MARK
U. S. PATENT OFFICE.**

Pettingell-Andrews Co., Boston, Mass.



"GOVERNMENT TESTS show that **REGAL** cord wears more than three times as long as the best Copper Sash Chain. **REGAL** cord costs about one-fifth as much as the best chain. We are prepared to furnish you with proof of this statement upon request. You can always tell **REGAL** cord by the **TWO BLUE STRANDS** appearing together at regular intervals on the cord. It is the only sash cord that is marked with **TWO BLUE STRANDS** and is marked in this way so that it can be easily distinguished from others."

PURITAN CORDAGE MILLS, Louisville, Ky.



The Kelly Octopus Water Closet System

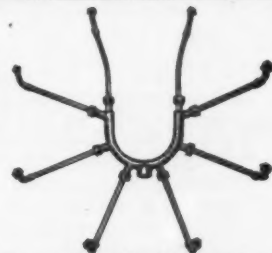
Patented Oct. 20, 1908, Dec. 1, 1908, Sept. 7, 1909.

The complete fixture as shown, occupies a space equal to a circle 7 ft. 6 in. in diameter. Set in the center of a room, this gives all the wall space for wash basins, urinals, sinks, etc.

Perfect ventilation; no trap venting needed.

THOS. KELLY & BROS.

Congress St. and 46th Ave., Chicago



**Octopus Water Supply Connections,
complete water supply.**



**Kelly Octopus Closet Fitting, comprising all
plumbing below floor.**

BUILDING NEWS

To be of value this matter must be printed in the number immediately following its receipt, which makes it impossible for us to verify it all. Our sources of information are believed to be reliable, but we cannot guarantee the correctness of all items. Parties in charge of proposed work are requested to send us information concerning it as early as possible; also corrections of any errors discovered.

ALABAMA

BIRMINGHAM.—James Downey will erect \$50,000 hotel at corner of Twenty-fifth St. and Fourth Ave., near new terminal station.

Plans are being prepared by Architect David O. Whildin for 3-story apartment building to be erected on Highland Ave., between Twentieth and Twenty-first Sts., for Mason J. Dillard; cost \$75,000.

Plans for the new theater to be erected on the corner of Third Ave. and Eighteenth St. by Gen. Louis V. Clark and associates, costing \$325,000, have been submitted to Jake Wells, the lessee, in Richmond, by General Clark.

A commercial house 3 stories high will be erected at the corner of Twenty-third St. and First Ave., representing an investment of \$130,000, by James Downey.

BIRMINGHAM.—An apartment house to cost \$75,000 will be erected on Highland Ave., between 20th and 21st Sts., for Mason J. Dillard.

A five-story hotel, costing \$150,000, will be erected at corner of Pine Ave. and Highland Ave. by Col. P. G. Bowman and has been leased to Michael Clifford for ten years. It will be called the Clifford Hotel.

The Birmingham Realty Company and the Louisville & Nashville Railroad are planning to erect three blocks of wholesale houses on First Ave., between 14th and 17th Sts.; estimated cost, \$1,225,000.

MONTGOMERY.—The H. M. Hobbie Grocery Co. will immediately begin the erection of a handsome 5-story business building to cost between \$40,000 and \$50,000, to take the place of the two 3-story brick buildings that were recently destroyed by fire at Nos. 36 and 38 Commerce St.

CALIFORNIA

FULLERTON.—George C. Congdon, of Los Angeles, has been awarded the general contract for the erection of a new \$130,000 high school on 12½ acres of the Central tract.

LOS ANGELES.—A seven-story class A store and office building will be erected on Broadway, between Seventh and Eighth Sts., for the Isaacs Bros.

W. T. Hollingsworth will shortly begin the erection of an eleven-story class A bank and office building on the corner of Sixth and Hill Sts., to cost, including price of site, more than \$1,000,000.

Erection of a modern ten-story reinforced concrete hotel on Clay and Second Sts., has been planned by F. W. Braun; estimated cost, \$200,000.

State Engineer McClure is having drawings prepared for the proposed armory building to be erected at Exposition Park at cost of \$200,000. Contract will shortly be let.

LOS ANGELES.—Frank J. Carlisle has purchased site at corner of Wilshire Blvd. and St. Andrews Pl. and is planning to erect residence to cost about \$25,000.

PASADENA.—Architects C. W. Buchanan and L. C. Brockway have prepared plans for 3-story brick business block to be erected at 268-278 E. Colorado St. for W. C. Mason; estimated cost, \$72,800.

SACRAMENTO.—Plans have been prepared by Architects Seadler & Hoen, Gerber Bldg., for 4-story apartment house to be erected on K St., between Thirteenth and Fourteenth Sts., for J. D. Laupee; estimated cost, \$75,000.

SAN FRANCISCO.—Architects O'Brien & Werner, 68 Post St., have prepared plans for 9-story building to be erected

on Eddy St. by W. H. Leahy, to be known as the New Tivoli Opera House; estimated cost, \$250,000. Bids will shortly be advertised for.

The Building Committee of the Supervisors has decided to allow \$6,000 for the preparation of plans for the Daniel Webster School, which is to be built at Twentieth and Connecticut Sts., and \$55,000 each for the construction and equipment of the Starr King School at Twenty-fifth and Utah Sts., and the Le Conte School at Norwich, Alabama and Harrison Sts.

SANTA CLARA.—Work on the new Town Hall, which is to be erected on site at corner of Franklin and Washington Sts., will be commenced at an early date. The Town Trustees recently accepted the plans, and it is their intention to advertise for bids for the construction of the same in a few weeks.

CONNECTICUT

BRIDGEPORT.—Architect A. S. Meloy, Post Office Arcade, has about completed plans for a three-story building on Hallett St. for Herman Frankel.

Architect T. F. Kelley, 107 Wall St., has completed the plans for the store and apartment building to be erected at the corner of East Main and Nichols Sts. for Harvey Harding, trustee, and bids will soon be called for.

Plans are being drawn for a moving picture theater at the corner of Wood Ave. and Olive St. for J. L. Donovan, of Maplewood Ave. The building will be one story high, with seating capacity of about 500.

Architects Whiton & McMahon, of Hartford, will have the plans completed in about two weeks for the addition and alterations to the armory on Main St. The bids will be received until April 12 by George M. Cole, Adjutant General.

ENFIELD.—Bids will be received for the erection of the public library (Carnegie) by Dr. Thomas G. Alcorn, chairman building committee, Thompsonville, until 5 o'clock, April 1, 1912. Plans and specifications can be seen at the office of the architects, W. H. & Henry McLean, Studio Bldg., 110 Tremont St., Boston, Mass.

HARTFORD.—Plans are being prepared for erection of a four-story addition to the plant of the Pope Mfg. Co. on Capitol Ave.

HARTFORD.—The Hotel Bond Co., recently organized, of which John Porter is president, has purchased site on Asylum St. and will erect six-story hotel building. Plans have been prepared by Architect Russell F. Barker. Harry Bond is secretary and treasurer of company; estimated cost, \$500,000.

DELAWARE

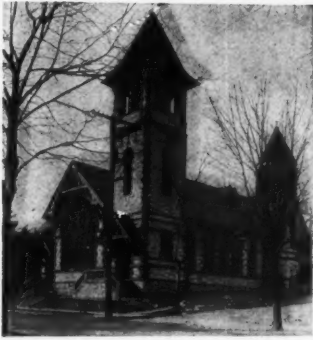
DOVER.—Competitive plans will be submitted on March 26 to State Armory Board for erection of armory building.

DISTRICT OF COLUMBIA

WASHINGTON.—The H. Kirkus Dugdale Co. has purchased property on U St. N. W., near Fourteenth St., and will erect modern office building. H. Kirkus Dugdale, president.

FLORIDA

JACKSONVILLE.—The local Benevolent and Protective Order of Elks will erect 15-story skyscraper at corner of Adams and Laura Sts. Plans have been prepared by



St. PAUL'S M. E. CHURCH, NYACK, N. Y.
M. L. & H. G. Emery, Architects.
Floors lined with "Hydrex-Saniflor."



HYDREX-SANIFLOR Sound-Deadening and Insulating FELT

A coated, waterproofed, sanitary sound-deadening and insulating blanket, used in floors, partitions, roofs and under clapboards.

The old-school deadening felts, containing animal and vegetable matter, are feeding and nesting places for vermin and absorb moisture and odors. They are not hygienic.

HYDREX-SANIFLOR has a shell-like, flexible coating on both surfaces, which waterproofs and hermetically seals in the felt, making it non-absorbent, clean, sanitary and proof against moths, mice and other vermin, which cannot eat the coating. It is an unexcelled waterproof, warmth-giving blanket—a non-conductor of sound, heat and cold.

THE HYDREX FELT AND ENGINEERING COMPANY

Makers of Waterproof Felts, Building Papers, Roofings, Paints, Asphalts, etc.
NEW YORK, 120 Liberty St. Chicago, Rookery Bldg. Washington, Colorado Bldg. Factories, RANWAY, N. J.
For sheathing and lining specify "NOVENTO" Waterproof Building Paper



SILVER LAKE Sash Cord

Does it pay
to rip out the
other kind

building?
information from

Would it not have been wiser
to have specified Silver Lake
A, that lasts as long as the
Samples, catalogue and further

SILVER LAKE COMPANY
BOSTON

Art-Metal Bronze-Steel

In the year 1888 a factory was established which has made
the name of Jamestown, N. Y. as celebrated as the historic
Va. town of the same name.

ART METAL CONSTRUCTION CO.

are the originators in the adaptation of Sheet Steel for the
furnishings of Public Buildings of every character. Their
resources are unlimited—Capitalized for \$1,750,000—Factory
capacity 7 acres of floor space and employing 1200 skilled
mechanics—ARCHITECTS and OWNERS ARE SOLICITED.

Jamestown, N. Y.

The Address

"Art Metal"



The "GLOBE" Ventilator

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

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

Smoky Chimneys Cured

SEND FOR MODEL
AND PAMPHLET

Globe Ventilated Ridging

MANUFACTURED BY

GLOBE VENTILATOR COMPANY, TROY, N. Y.

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

Architect James R. Walsh, Herkimer Bldg.; estimated cost between \$400,000 and \$500,000.

PLANT CITY.—A company has been formed by E. T. Roux & Son and the Carmichael Bros., of Ohio, under the name of the Roux Composite Brick Company and will erect brick plant to cost \$30,000.

TAMPA.—Architect A. H. Johnson, of Tampa, is preparing plans for 4-story building to be erected at Sarasota on site of Bell Haven Inn by Ohio capitalists; estimated cost, \$200,000. Dr. Jack Halton, who has been operating the Bell Haven Inn, will continue in the business.

TARPON SPRINGS.—Architects Bonfoey & Elliott, of Tampa, have prepared plans for 3-story hotel to be erected by John K. Cheyney & Charles E. Brown.

GEORGIA

DUBLIN.—The First National Bank will be ready for estimates about June 1, reinforced concrete frame, stone, brick and terra cotta exterior walls, one electric elevator, safe deposit vault, money vault, one book and one record vault, bank fixtures, etc. Cost about \$75,000. Plans by Architect A. Ten Eyck Brown, 607 Forsyth Bldg., Atlanta.

MACON.—Plans are being prepared for 3-story hotel building to be erected on old Westcott property on Plum St., between Second and Third Sts., for Jesse B. Hart; estimated cost, \$20,000.

ILLINOIS

CHICAGO.—Architects Schmidt, Garden & Martin, 172 Washington St., have prepared plans for 3-story apartment building to be erected on site of old Samuel B. Chase homestead, at corner of Sheridan Road and Belmont Ave.; estimated cost, \$350,000.

EAST ST. LOUIS.—Plans have been figured for the erection of a concrete boiler house for Swift & Co., which will cost about \$40,000.

Architect A. B. Frankel has the contract for drawing plans for a \$10,000 buff brick residence to be erected on North Eleventh St. for Robert E. Conway, general manager at Armour plant in East St. Louis.

SPRINGFIELD.—City Commissioners have approved plan to erect convention hall on property at corner of Seventh and Monroe Sts., adjoining city hall, at cost of \$75,000.

IOWA

DAVENPORT.—Architect O. Z. Cervin has prepared plans for the new manual arts building for the board of education. Bids will shortly be called for.

WATERLOO.—The Citizens' Gas Co. will shortly let the contract for the erection of their new \$85,000 building in West Waterloo.

KANSAS

CLAY CENTER.—The Masons of Clay Center have decided to build a temple at cost of \$15,000. The Curtis Engineering Company, of Kansas City, was awarded the contract for furnishing the plans and specifications.

KENTUCKY

LEXINGTON.—Architect L. H. Rowe, of Lexington, will prepare plans for handsome residence to be erected on Castleton Farm by David M. Look, of New York.

LOUISVILLE.—Board of Tuberculosis Hospital will receive at its office at 121 W. Chestnut St. sealed bids until 4 P. M., March 29, 1912, for the erection of a hospital building at the Waverly Hill Sanatorium. Copy of plans and specifications can be obtained from Joseph & Joseph, architects, Commercial Bldg. J. Dittmar, President.

LOUISIANA

SHREVEPORT.—School Board has authorized the construction of a ten-room school house in the Pinehurst-Gladstone section of the city.

MARYLAND

BALTIMORE.—One of the best equipped school buildings in the city will be erected by the School Board at Lakewood Ave. and Orleans St. The plans, made by Architects Haskell & Barnes, call for a 17-room building to connect with the present structure by means of a bridge.

Architects Archer & Allen, Central Savings Bank Bldg., are preparing plans for 3-story office building to be erected on Water St. by the Johns Hopkins Hospital trustees. Estimates will soon be invited.

An architect will be selected by the Architectural Commission in a few days to make plans for a new 24-room building which the School Board has decided to erect at Fayette and Chester Sts. to take the place of School 27, which is considered antiquated.

Architects Mottu & White have finished the plans for the new clubhouse to be erected by the Maryland Swimming Club at Dundalk, and bids are being received.

Two high-class residences will shortly be started on University Parkway—one for Lemuel T. Appold, of the Colonial Trust Co., the other for Dr. J. Elliott Gilpin, of the Johns Hopkins University. Architects Ellicott & Emmart are making the plans for Mr. Appold's residence, which will cost \$25,000.

MASSACHUSETTS

BOSTON.—Architect E. T. P. Graham, 20 Beacon St., has prepared plans of a new hospital to be erected on Cambridge and Washington Sts., Brighton, for the St. Elizabeth Hospital, now located on East Brookline St. Cardinal O'Connell has approved of the plans.

The Hotel Landansea Company proposes to erect on the Crest, at corner of Boulevard and Ocean avenues, first class hotel to cost about \$165,000. Architects Dykeman & Murray, 27 School St., will prepare the plans.

HAVERHILL.—Elmer S. Atwood plans to erect 3-story building on Main St. in rear of the Cummins block. Civil Engineer John T. Desmond is now laying out the plans.

SALEM.—City Council has appropriated \$100,000 for purchase of site and erection of new police station.

MICHIGAN

DETROIT.—Architects Malcomsen & Higginbotham, Moffat Bldg., are preparing plans for a new public school building to be erected on Alexanderine Ave. and Russell St., to be known as the George School.

KALAMAZOO.—The National Storage Company has announced that it will erect immediately two large storage houses in this city to cost about \$50,000.

MINNESOTA

DASSEL.—Architect H. Edward Walker, of Minneapolis, is preparing plans for a 2-story and basement brick school building for the board of education. It will have domestic science, manual training and agricultural departments; cost \$25,000.

DULUTH.—A 4-story brick hotel will be erected on corner of Sixth Ave. West and Superior St. by the Hamm Brewing Co.; estimated cost \$60,000.

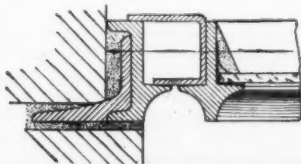
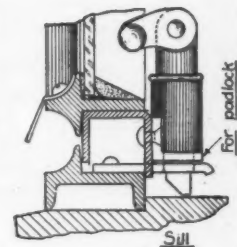
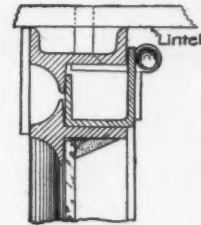
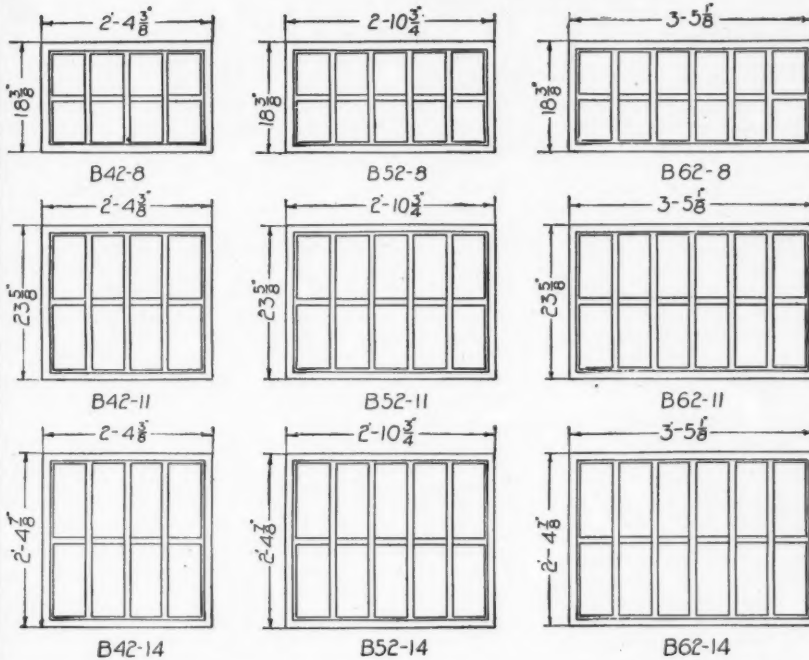
EVELETH.—The Board of Education has adopted plans prepared by Architects Bray & Nystrom, Palladio Bldg., Duluth, for the new grade school building and bids will be advertised for about April 1; cost \$60,000.

PAYNESVILLE.—Architect Kirby T. Snyder, architect, Minneapolis, is preparing plans for a 2-story and basement bank building for the First State Bank. The second floor will be fitted up for offices and a public library. Plans will be out about April 15.

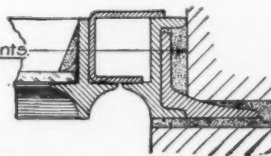
ST. PAUL.—James J. Hill has announced that he will build and maintain in St. Paul a reference library to cost not less than \$350,000.

Something New in *Fenestra* Cellar and Basement Windows of Solid Steel Bars

Standard Stock Sizes

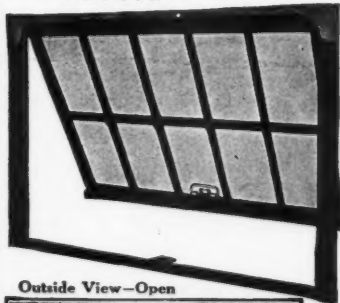


All dimensions to these points



Sections thru
Jambs, head and sill

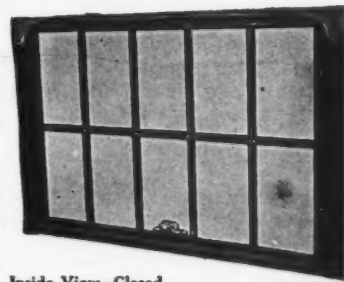
Detroit-Fenestra



Outside View—Open

Windows are the only cellar and basement windows in keeping with masonry construction of basements in general. They are substantial to the last degree.

Burglarproof—Fenestra cellar windows consist of a rigid grating of small panes, rendering unnecessary the usual immovable bars over wooden windows. Spring catch and hasp for pad-lock on each ventilator.



Inside View—Closed



The Strength of "Fenestra" Illustrated

Fireproof—Fenestra construction eliminates all inflammable material, making Fenestra solid steel basement windows absolutely fireproof.

Wind and Weatherproof—Fenestra Cellar Windows are weathered for a double contact at head, sill and jambs.

100 Per Cent Ventilation and Light—No space taken up by heavy wooden frames. Gives basement maximum light and air. *Fenestra Cellar Windows are particularly adapted for use in the construction of Fire and Burglar-proof Private Garages.* Pamphlet B-1 gives prices, details and full list of standard sizes. It's fresh from the press. Ask for copy.

DETROIT STEEL PRODUCTS COMPANY

Dept. .6, Detroit, Mich.

VIRGINIA.—Bids will be received until March 30 by Board of Education for erection of school on North Side, to cost about \$65,000.

MISSISSIPPI

BILOXI.—Architects Nolan & Torre of New Orleans have been selected to prepare plans for new school building to be erected at cost of about \$40,000.

GULFPORT.—Bids will be received by the Board of Supervisors of Harrison County until first Monday in April for construction of a Law Library in the court room of Harrison County at Gulfport. F. S. Hewes, Clerk.

MISSOURI

ST. LOUIS.—A two-story store and apartment building will be erected by Julius J. Muehling on the northeast corner of Clayton and Tamm Aves.

A site at the southeast corner of Berlin Ave. and Skinker Road has been purchased by Thomas J. O'Loughlin, representing a syndicate, which will erect on the lot a store and apartment building to cost about \$100,000. The building will contain fifteen apartments of five, six and seven rooms; twenty offices and six stores.

According to Nicholas M. Bell, more than one-half of the money has been raised for the erection of a new \$750,000 Scottish Rite Temple in this city. He says several sets of tentative plans for the structure have been prepared and are under consideration by the Scottish Rite Cathedral Association.

The John Damm & Sons Brush Manufacturing Company has purchased property at 1215 Pine St. and will erect three-story business building, for which plans are now being drawn.

NEW JERSEY

CALDWELL.—Bids will be received by the Board of Education, Borough of Caldwell, New Jersey, until 8 P. M., Saturday, March 30, 1912, at Borough Hall, for the erection of a public school building, according to plans and specifications prepared by Ernest E. Twist, architect, offices, News Bldg., Passaic, N. J. Morris A. Tyng, President of Board of Education.

NEWARK.—Estimates will be taken shortly by Architect Alfred Peter, 238 Washington St., for the erection of a 3-story brick factory building at Dickerson and Jay Sts. for George H. Fritz & Son. The approximate cost is about \$15,000.

NEWARK.—All bids received for construction of new almshouse at Toy Hill have been rejected, and plans will be revised; estimated cost, \$25,000.

Architect Gustavus Staehlin, 238 Washington St., has drawn plans for an addition to the storage warehouse at 106 Arlington St., which will involve an outlay of about \$15,000. John Mulligan is the owner.

PERTH AMBOY.—Architect J. K. Jensen, of Perth Amboy, has prepared plans for 3-story brick building, which will probably be erected at corner of Smith and State Sts. by Miss Agnes Kant. Bids are now being received. Estimated cost, \$30,000.

WEST NEW YORK.—About \$28,000 will be expended by Ernest W. Hildebrand, of 625 Palisade Ave., West New York, in the erection of an apartment house on the corner of Sixteenth St. and Tyler Place in the same town. Architect George B. McIntyre made the plans for the building.

NEW YORK

BROOKLYN.—Architects Shampman & Shampman, 772 Broadway, have prepared plans for 5-story brick apartment house to be erected on 12th St., east of Fourth Ave., by the Rogers Improvement Co.; cost \$40,000.

BROOKLYN.—Architects Mann & MacNeille, 12 E. Forty-fifth St., New York City, have prepared plans for six kink duplex houses to be erected on Brooklyn Ave., be-

tween St. Johns and Lincoln Places, by the Kings & Westchester Land Co.

The Bush Terminal Company will erect 8-story factory building at Second Ave. and 41st St.; cost \$450,000.

A 3-story factory building will be erected on Jefferson St., east of Irving Ave., by John J. Ballweg at cost of \$20,000.

A 4-story factory building will be erected on Ormond Place, near Jefferson Ave., by Julius Strauss; cost \$25,000.

Victor Noble & Sons will erect a 4-story factory building on Warwick St. and Atlantic Ave. at cost of \$20,000.

Matthew A. Belford will erect a 3-story factory building on President St., near Hoyt St., to cost about \$22,000.

BUFFALO.—The Buffalo Natural Gas Fuel Co. has filed plans in the bureau of buildings for an eight-story office building at the northeast corner of Franklin and Church Sts., to cost \$200,000.

DOLGEVILLE.—Plans for the addition to the brick schoolhouse have been adopted at a special meeting of the School Board, and it has been decided to call for bids on the work, to be opened April 2. The estimated cost of the work is \$14,000, and bids will be received by Fred Johnson, chairman of the building and supplies committee.

NEWBURGH.—Trustees of the Labor Hall have commissioned Frank E. Estabrook to prepare plans and specifications for a labor temple.

NEW YORK CITY.—Architect Frederick C. Zobel, 118 East 28th St., has filed plans for 12-story store and loft building to be erected on 35th St. for J. J. Astor, 840 Fifth Ave.; cost, \$200,000.

Plans have been filed by Architects Haggard, Erskine & Blagden, 437 Fifth Ave., for 16-story loft building to be erected on 38th St. for E. B. Springer, 34 East 37th St.; cost, \$275,000.

Architect Norman Lederer, 1341 Southern Boulevard, has filed plans for two 1-story brick stores and dwellings to be erected on Southern Boulevard for Ferdinand Hecht, 380 Riverside Drive; cost, \$12,500.

Architect Charles A. Rich, 320 Fifth Ave., will prepare plans for 12-story building to be erected at corner of Fifth Ave. and 13th St. for George A. Plempton; cost, \$300,000.

NEW YORK CITY.—Architect William H. Brickmire, 396 Broadway, is preparing plans for a twelve-story mercantile building to be erected on Fourth Ave. and Twenty-ninth St. for Lee Holstein; estimated, cost, \$325,000.

Charles H. Davis, of the Hotel St. Andrew, on Broadway and Seventy-second St., is planning to reconstruct the Broadway front of the hotel, to include five large modern stores with an additional one on Seventy-second St.; estimated cost, \$225,000.

Architect A. J. Bodker, 62 West Forty-fifth St., has filed plans for a five-story loft building to be erected on Fifth Ave. for T. B. Flower, Watertown, N. Y.; cost, \$75,000.

Plans have been filed by Architect H. T. Howell, Third Ave. and 149th St., for five-story brick apartments to be erected on Eagle Ave. for Sinnott Co. (Peter Sinnott, 967 East 165th St., president). Cost, \$40,000.

Architect Charles Schaefer, Jr., 401 Tremont Ave., has filed plans for a five-story brick apartment to be erected on Union Ave. for the Charles F. Streeter Construction Co. (Charles F. Streeter, 409 East 204th St., president); cost, \$40,000.

Plans have been filed by Architect M. C. Merritt, 1170 Broadway, for alterations to the two-story loft building on Lexington Ave. for C. C. Johnston, 1170 Broadway; cost, \$70,000.

NEW YORK CITY.—Trustees of the Bushwick Hospital have adopted plans drawn by Architect R. Thomas Short, 3 W. Twenty-ninth St., for erection of new building at corner of Putnam and Howard Aves.; estimated cost, \$75,000.

The Realty Holding Co. has purchased property at Nos.

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424-432 Fourth Ave. and Nos. 49 and 51 E. Twenty-ninth St., and will erect on site 16-story building.

The Committee of the Beth-Israel Hospital at Jefferson and Cherry Sts., has been instructed by Board of Directors to select site for erection of new building, to cost about \$1,000,000. Joseph H. Cohen, president of hospital.

NEW YORK CITY.—Architects Nast & Springstein, 21 West 45th St., have filed plans for 3-story garage to be erected on 64th St. for A. M. Rau, 135 Broadway; cost \$15,000.

Plans have been filed by Architect G. E. Blum, 505 Fifth Ave., for 12-story apartment to be erected on Seventh Ave., corner 54th St., for Adion Construction Co., 106 West 32nd St.; cost \$500,000.

Architect William Kurtzer, 192 Bowery, has filed plans for 4-story brick store and apartment to be erected on Webster Ave., corner Gun Hill Road, for Heintz & Seigel, 1278 Fulton St.; cost \$12,000.

Plans have been filed by Architects Buchman & Fox, 11 E. 95th St., for 22-story store and loft building which Charles Kaye is planning to erect at 105-117 Madison Ave. and 28 E. 30th St.; estimated cost \$1,500,000.

Archibald D. Russell has purchased property in West 42nd St. and West 43rd St., between 10th and 11th Aves., and will erect 6-story storage warehouse; cost of land and proposed building is about \$1,500,000.

NEW YORK CITY.—Architect H. S. Pingel, 381 Fourth Ave., has filed plans for one-story garage to be erected on Lawrence St. for Cushman Bread Company, 32 Lawrence St.; cost, \$18,000.

Plans have been filed by Architect H. P. Von Wiedenfeld, 1611 Third Ave., for three-story loft to be erected on Eighty-first St. for M. Schwartz, 1060 Seventy-second St., Brooklyn; cost, \$12,000.

Plans have been filed by Architect A. Ullrich, 371 Fulton St., Brooklyn, for four-story factory to be erected on Fourth St. for estate of Betsy A. Fay, 150 Nassau St.; cost, \$40,000.

Architect G. F. Pelham, 507 Fifth Ave., has filed plans for three six-story apartments to be erected on Seventy-ninth St. for Wendover Bronx Company, 34 West Ninety-sixth St.; cost, \$150,000.

Plans have been filed by Architect J. C. Cocker, 2017 Fifth Ave., for two five-story brick apartments to be erected on 162d St. for Overland Building Company (John Yule, 943 Grant Ave., president); cost, \$80,000.

NEW YORK CITY.—Architect G. F. Pelham, 507 Fifth Ave., has filed plans for seven-story loft building to be erected on Seventeenth St. for Royal Improvement Co., 346 Broadway; cost, \$35,000.

Plans have been filed by Architect W. H. Whittall, 320 Fifth Ave., for twelve-story loft building to be erected on Fourth Ave. for Armory Holding Co., 320 Fifth Ave.; cost, \$1,150,000.

Architect M. W. Del Gandio, 401 Tremont Ave., has filed plans for five-story brick apartment to be erected on Hoffman St. for Arthur Avenue Realty Co. (James A. Faiella, 550 East 187th St., president). Cost, \$35,000.

Plans have been filed by Architect Harry T. Howell, Third Ave. and 149th St., for a five-story brick apartment to be erected on 167th St. for the Carmine Construction Co. (Carmine Cioffe, 1116 Tutewale Ave., president); cost, \$40,000.

Architect Charles Schaefer, Jr., 401 Tremont Ave., has filed plans for five-story brick apartment to be erected on Forest Ave. for Benjamin Benenson 407 East 153d St.; cost \$40,000.

Plans have been filed by Architects Tracy, Swartwout & Litchfield, 244 Fifth Ave., for one-story brick factory to be erected on Cromwell Ave. for estate of John Jacob Astor, 23 West Twenty-sixth St.; cost, \$30,000.

Architect James C. Green is preparing plans for four-story structure to be erected on Broadway and Sixty-first St. for William R. Hearst.

Architect Frank B. Sabbitte, 766 Decatur St., Brooklyn, has filed plans for three two-story dwellings to be erected on Bartholdi St. for Demetrio Pisano, 766 Decatur St., Brooklyn; cost, \$16,000.

Plans have been filed by Architect B. Ebeling, 1136 Walker Ave., for one-story clubhouse to be erected on Clason Point road for Michael Peiffer, 431 East 153d St.; cost, \$12,500.

The Charles Buck Construction Co., 5 East Forty-second St., has filed plans for alterations to four-story dwelling on Seventy-second St. for Mrs. D. Brown, Hotel Majestic; cost, \$20,000.

Plans have been filed by Architect A. G. Koenig, 114 East Twenty-eighth St., for alterations to two-story garage on Fifty-sixth St. for P. Boelger, 407 East Fifty-fifth St.; cost, \$45,000.

SCHENECTADY.—Assistant Engineer Warrin is now at work on the plans and specifications for the additions to the Robinson St., Willett St. and Mumford St. school buildings.

SYRACUSE.—W. E. Seymour is getting plans for five houses which he will build this summer at a total cost of \$30,000. One of them will be located in West Genesee St., near Liberty, and another in East Genesee St., facing Columbus Park. Three will be on West Lafayette Ave.

B. G. Harrington has asked Architect James D. Meehan, Hendricks, Bldg., for plans for a modern apartment house to be erected at Victoria place and Westcott St. It will be of brick construction, fireproof and contain ten apartments.

NORTH CAROLINA

WILMINGTON.—The Y. M. C. A. will shortly erect new building to cost about \$75,000.

SALISBURY.—Rowan County Court House will be ready for estimates about May 15th, consisting of reinforced concrete floors and interior frame, brick and terra cotta exterior walls, fireproof partitions and fireproof record rooms, two vault doors, and all metal and wood furniture; cost about \$125,000. Plans by Architect A. Ten Eyck Brown, 607 Forsyth Bldg., Atlanta, Ga.

OHIO

CINCINNATI.—Architect Max Kau, Jr., 2241 Stratford Ave., is preparing plans for 2-story pressed brick residence to be erected on Glenway Ave, Price Hill, for John Schafer.

James L. Stuart, of Pittsburg, has the general contract for erection of warehouse at corner of Sixth Ave. and Lock St. for the Whitaker Paper Co.; estimated cost \$70,000.

Plans are nearly completed by Architect Anton Reig, 2554 Vine St., for the erection of a modern St. Louis apartment building to be erected on the southwest corner of Duckcreek Road and Timble Ave., Evanston, for Ben Brady.

Architects Elzner & Anderson, Ingalls Bldg., are preparing plans for the erection of a 6-story fireproof building to be erected at Ninth Ave. and Broadway for the Crane-Hawley Company, and will receive bids for the new structure within the next few weeks.

DAYTON.—Final details have been completed by Captain J. E. Gimpeleing for erection of armory for the three local companies east of Cooper Park on 3rd and 2nd Sts.; estimated cost \$105,000.

DAYTON.—Plans have been completed by Architect Albert Pretzinger, Reibold Bldg., for 1-story bank building to be erected on East Third St. for the City National Bank. President W. B. Gebhart.

YOUNGSTOWN.—Julian Kennedy, Bessemer Bldg., Pittsburgh, Pa., has been retained as consulting engineer for the new steel plant to be erected at Brier Hill, near Youngstown, O., for the Brier Hill Steel Company.

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PENNSYLVANIA

APOLLO.—Pittsburgh capital is interested in the Apollo Steel Co., which has just been capitalized at \$300,000. Plant consisting of six sheet mills will be erected on a 9-acre site at Apollo. Robert Lock is president and general manager.

CHESTER.—Plans have been prepared by Architect Clarence Taylor for store, factory and residence to be erected at Third and Lloyd Sts. by T. Prooks McBride, 143 West Third St.

EASTON.—The First Reformed Church will erect a \$25,000 session house containing a modern gymnasium, bowling alleys, auditorium, etc.

ERIE.—Plans are being prepared for erection of 3-story building at 12th and French Sts. for the Central Labor unions; estimated cost, \$35,000.

PHILADELPHIA.—Architects Magaziner & Potter, 137 So. Fifth St., are designing a four-story addition to the settlement building of the Young Women's Union at 422 to 428 Bainbridge St. The cost will be \$50,000, which has already been contributed for the purpose. The same architects are also preparing plans for a six-story commercial building at No. 835 Arch St., for the Keystone Trading Stamp Co.

Land with frontages of 450 feet on both sides of Peacom Ave., between Overbrook and Merion, has been purchased by Charles L. Lagen, who will erect there four residences of different types of architecture, to cost \$50,000.

Contractors are figuring on revised plans for the Hotel Vendig, at the northwest corner of Thirteenth and Filbert Sts.

Bureau Brothers are having plans prepared by Architect W. L. Blithe, 101 N. 35th St., for a brass foundry at 23d and Westmoreland Sts.

J. Janke and T. J. Mooney are having plans prepared for a 1-story moving picture and vaudeville theater, which they will have erected at Hunting Park and Germantown Aves. The cost will be \$50,000.

The C. H. Wheeler Manufacturing Company, which purchased a plot on Sedgely Ave., below 19th St., adjoining the Barr Pump Works, which it controls, will improve the tract by the erection of a 3-story machine shop and a power house.

PHILADELPHIA.—Architect Henry D. Dagit, 411 Walnut St., has invited estimates from contractors for a superstructure for St. Columba's Catholic Church, 23d St. and Lehigh Ave. The plans provide for a Gothic structure with facades of Port Deposit granite and Indiana limestone trimmings.

PHILADELPHIA.—Architect R. C. Loos, 1017 Chestnut St., is preparing plans for a 2-story banking house at 1410 Chestnut St., which has been leased for a ten-year term by Newburger, Henderson & Loeb.

PHILADELPHIA.—Architect H. C. Wise, 34 South Sixteenth St., is preparing plans for a three-story laboratory on the grounds of the Samaritan Hospital, Broad and Venango Sts.

Plans are being prepared by Architect Henry D. Dagit, 411 Walnut St., for the new archiepiscopal residence to be erected on Race St. east of 18th St., at cost of between \$50,000 to \$75,000.

PITTSBURGH.—Architect J. Edwards Keirns, 3945 Brighton Road, N. C., has prepared plans for apartment building to be erected at 724 South Negley Ave., East End, for E. F. Gerber; estimated cost, \$150,000.

WILKES-BARRE.—Sidney Martin, engineer, Penn Bldg., Pittsburgh, is taking estimates on the erection and equipment of a powder plant at Wilkes-Barre, Pa., for the Burton Powder Co.

WILLIAMSPORT.—Postmaster Perley has received specifications for extensive alterations and remodeling of local government building. Bids for this work will shortly be required.

RHODE ISLAND

EAST DOUGLAS.—The Tallyho Knitting Co. will erect a new building as soon as plans for the same can be completed. It is to be built on land on Mechanic St., owned by the American Axe & Tool Co.

TENNESSEE

CHATTANOOGA.—Dr. J. McChesney Hogshead, of this city, and F. T. Hardewick, of Dalton, are planning to erect modern apartment house at corner of Georgia Ave. and Vine St.; estimated cost, \$200,000.

MEMPHIS.—The officers and directors of the Bank of Commerce & Trust Company have decided to erect a 17-story building on the site adjoining its present structure. It is to cost \$500,000.

UTAH

SALT LAKE CITY.—Plans of Architect Richard Kletting, of Salt Lake, have been selected for erection of \$2,000,000 capitol building.

VIRGINIA

LYNCHBURG.—In the competition for the preparation of plans and specifications for proposed high school building to be erected at Bedford City Architects Heard & Caldwell have been successful. Estimated cost, \$32,000.

NORFOLK.—Architects Ferguson, Calrow & Taylor, Law Bldg., are preparing plans for a new building to be erected by the Norfolk Orphan Asylum opposite City Park, between Ethel and Lovallette Aves.

WEST VIRGINIA

BUCKHANNON.—It has been determined to build a new gymnasium at the Wesleyan College here. It is estimated the building will cost \$25,000.

WISCONSIN

CHILTON.—An appropriation of \$75,000 has been voted by the Calumet county supervisors for a new court house to be located at Chilton, the county seat. Plans and specifications have already been accepted.

MADISON.—General plans for the new Sixth Ward Carnegie Library have been submitted by architects and accepted by the building committee.

MILWAUKEE.—Preliminary plans submitted by Architect Clare Hosmer for the new church of the Second Church of Christ's Disciples have been approved by the church committee, and construction work will be started early this spring. The church will be built on the site of the old one at Prospect Ave and Park Pl., and will cost \$25,000.

Architect H. W. Buemming, 521 Jackson St., is preparing plans for an administration building for the C. Reiss Coal Co., Sheboygan, to cost \$75,000.

MILWAUKEE.—County Board has awarded contract for plans for new Milwaukee County House of Correction to Architects Leenbouts & Guthrie, 102 Wisconsin St.

PORTAGE.—Architects Crane & Barkhausen, 53 University Bldg., Milwaukee, are preparing plans for a \$20,000 reinforced concrete storage warehouse for the Portage Worsted Mills Co.

CANADA

VICTORIA, B. C.—The Northern Crown of Winnipeg will erect an 8-story and basement office building at Yates and Government Sts.; cost \$150,000.

Alphabetical List of Advertisers

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PROPOSALS

Treasury Department, Office of the Supervising Architect, Washington, D. C., March 15, 1912.—Sealed Proposals will be received in this office until 3 o'clock P. M. on the 26th day of April, 1912, and then opened, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United States Post Office at Johnstown, Pa. The building is one story and basement, stone faced, of fireproof construction (except roof), and has a ground area of approximately 3,300 square feet. Drawings and specifications may be obtained from the custodian of site at Johnstown, Pa., or at this office, at the discretion of the Supervising Architect.

JAMES KNOX TAYLOR, Supervising Architect. (1891-2)

Treasury Department, Office of Supervising Architect, Washington, D. C., March 9, 1912.—Sealed Proposals will be re-

ceived in this office until 3 o'clock P. M. on the 24th day of April, 1912, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and lighting fixtures), of the United States Post Office at Corinth, Miss.

The building is two stories and basement, with a ground area of approximately 4,900 square feet. First floor is fireproof; stone and brick facing; tin roof.

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Treasury Department, Office of the Supervising Architect, Washington, D. C., March 18, 1912.—Sealed Proposals will be received at this office until 3 o'clock P. M. on the 29th day of April, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits, and wiring and lighting fixtures) of the United States Post Office at Penn Yan, N. Y. The building is to be one story and basement of approximately 3,300 square feet ground area, brick faced, tin roof, wood trim, and nonfireproof construction. Drawings and specifications may be obtained from the custodian of the site at Penn Yan, N. Y., or at this office at the discretion of the Supervising Architect.

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Proposals for State Fair Building, Syracuse, N. Y. Notice to Contractors—Sealed proposals will be received by the State Fair Commission, Syracuse, N. Y., Tuesday, April 16, 1912, at 2 P. M., and each bidder shall either personally or through agent present to the Board at that time and place his bid, sealed, for the entire work for the Cattle Building, at which time they will be opened and read publicly. The proposal shall be accompanied by a certified check in an amount equal to 5 per cent of the proposal, and the contractor to whom the award is made will be required to furnish a surety bond in an amount equal to 50 per cent of the contract, within ten days from date of notice of award of contract. Failure to furnish bond within specified time will cancel the notice of award and cause forfeiture of certified check. The State Fair Commission reserves the right to reject any or all bids. The contract will provide that the building shall be completed on or before August 26, 1912. On and after March 26, 1912, drawings, specifications and forms of proposal may be obtained of Green & Wicks, Architects, 110 Franklin St., Buffalo, N. Y. Plans and specifications will be on file, and may be examined by general contractors or sub-contractors, at the office of Franklin B. Ware, State Architect, Capitol, Albany, N. Y.; at the office of the State Fair Commission, Post-Standard Bldg., Syracuse, N. Y., and at the office of Green & Wicks, 110 Franklin St., Buffalo, N. Y. Plans and specifications must be returned to the State Fair Commission with proposals. Address all proposals to State Fair Commission, Post-Standard Bldg., Syracuse, N. Y. (1892-3-4)

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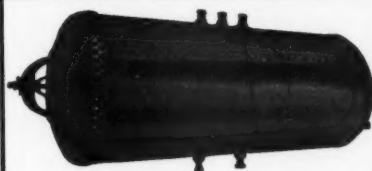
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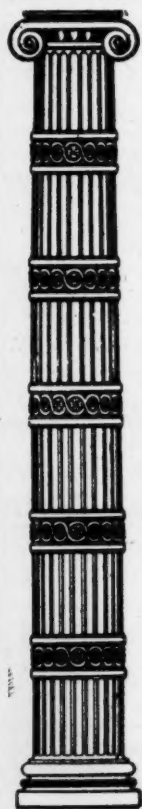
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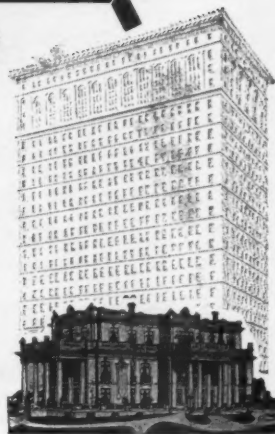
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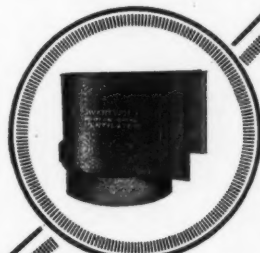
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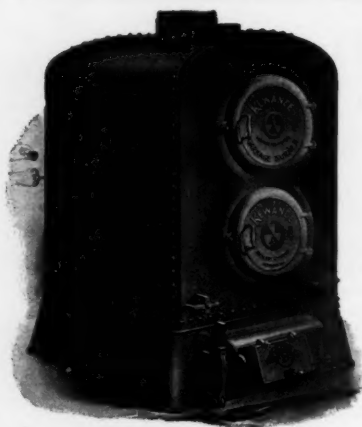
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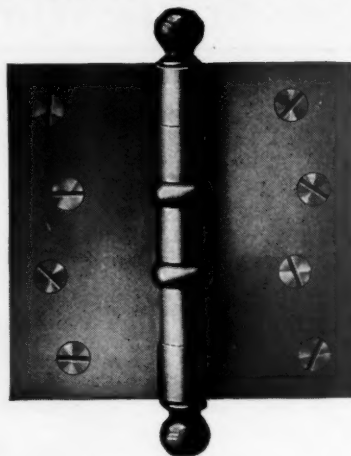
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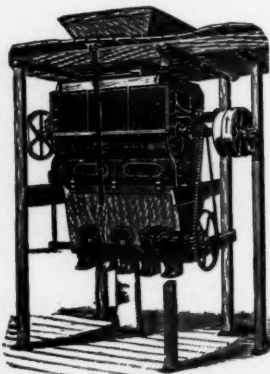
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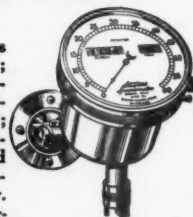
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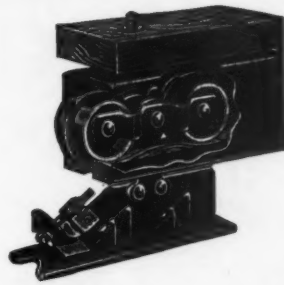
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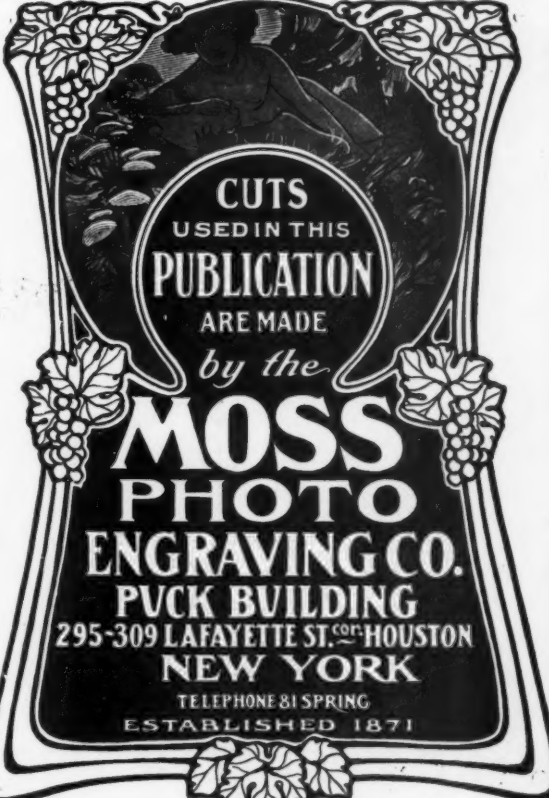


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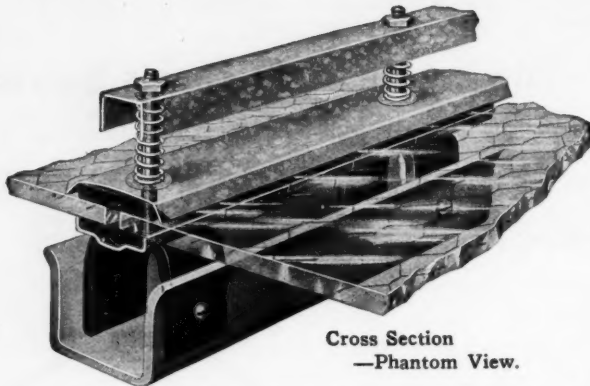
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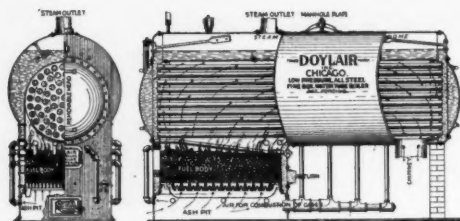
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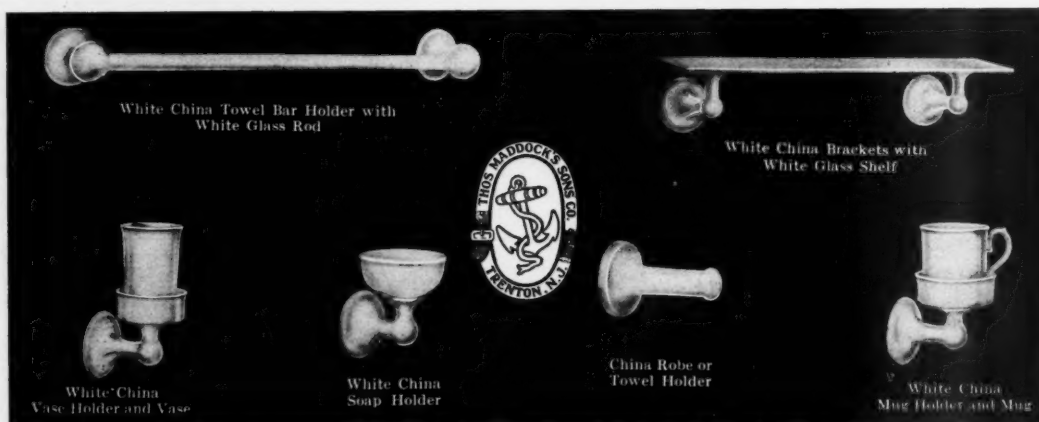
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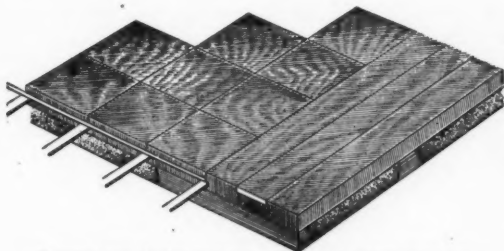
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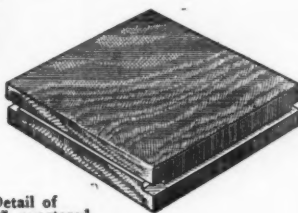
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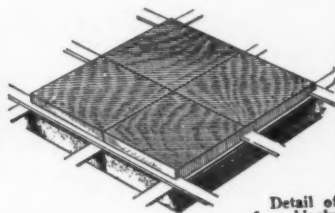
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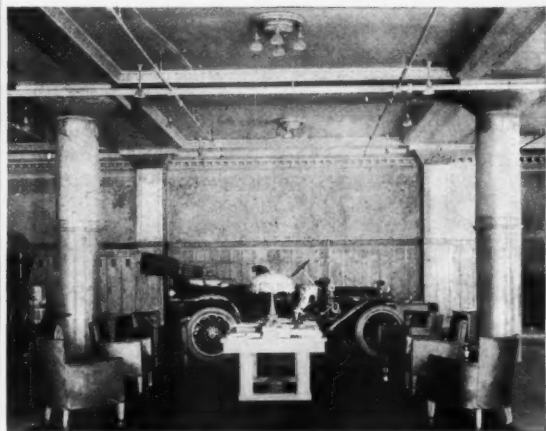
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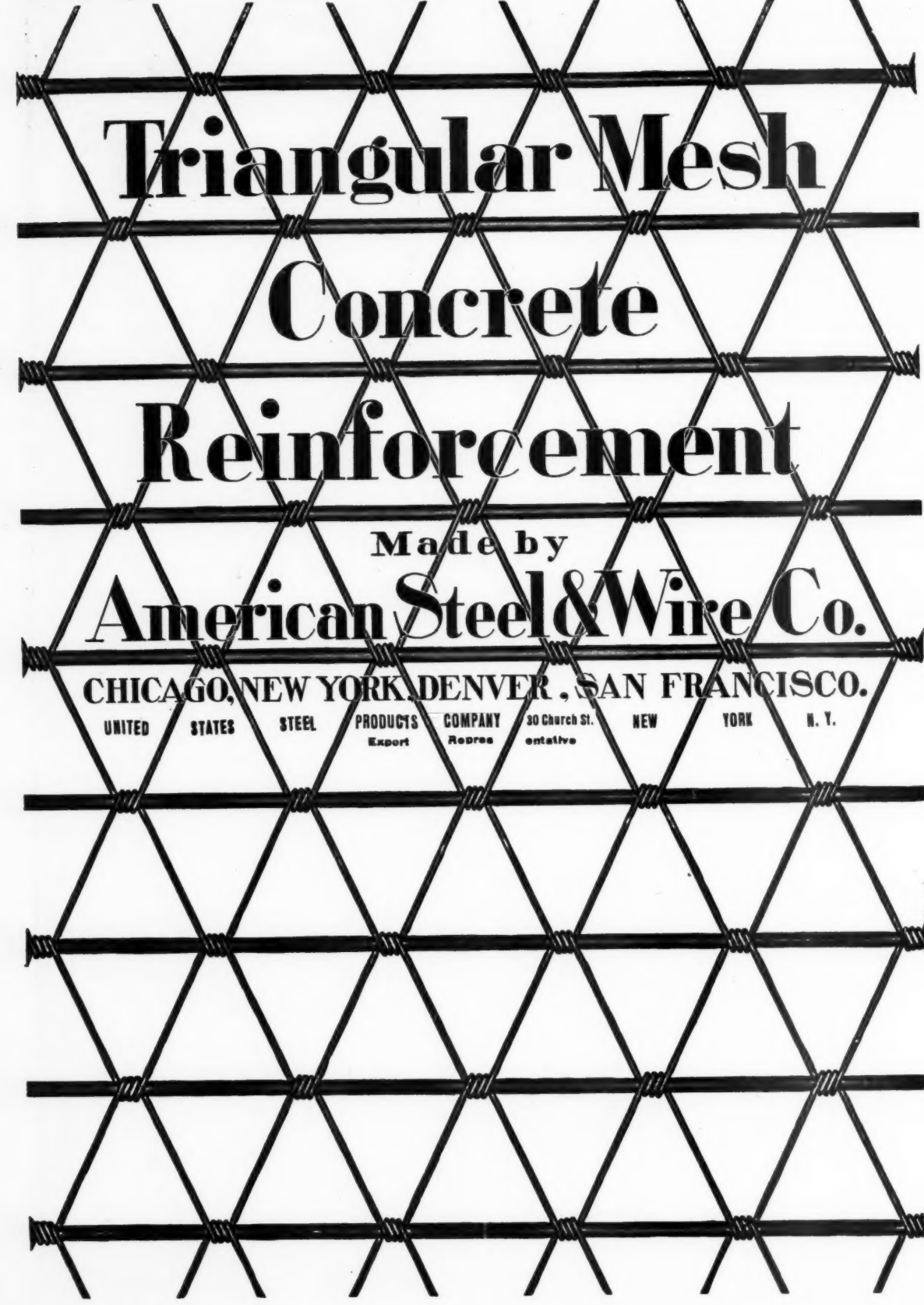
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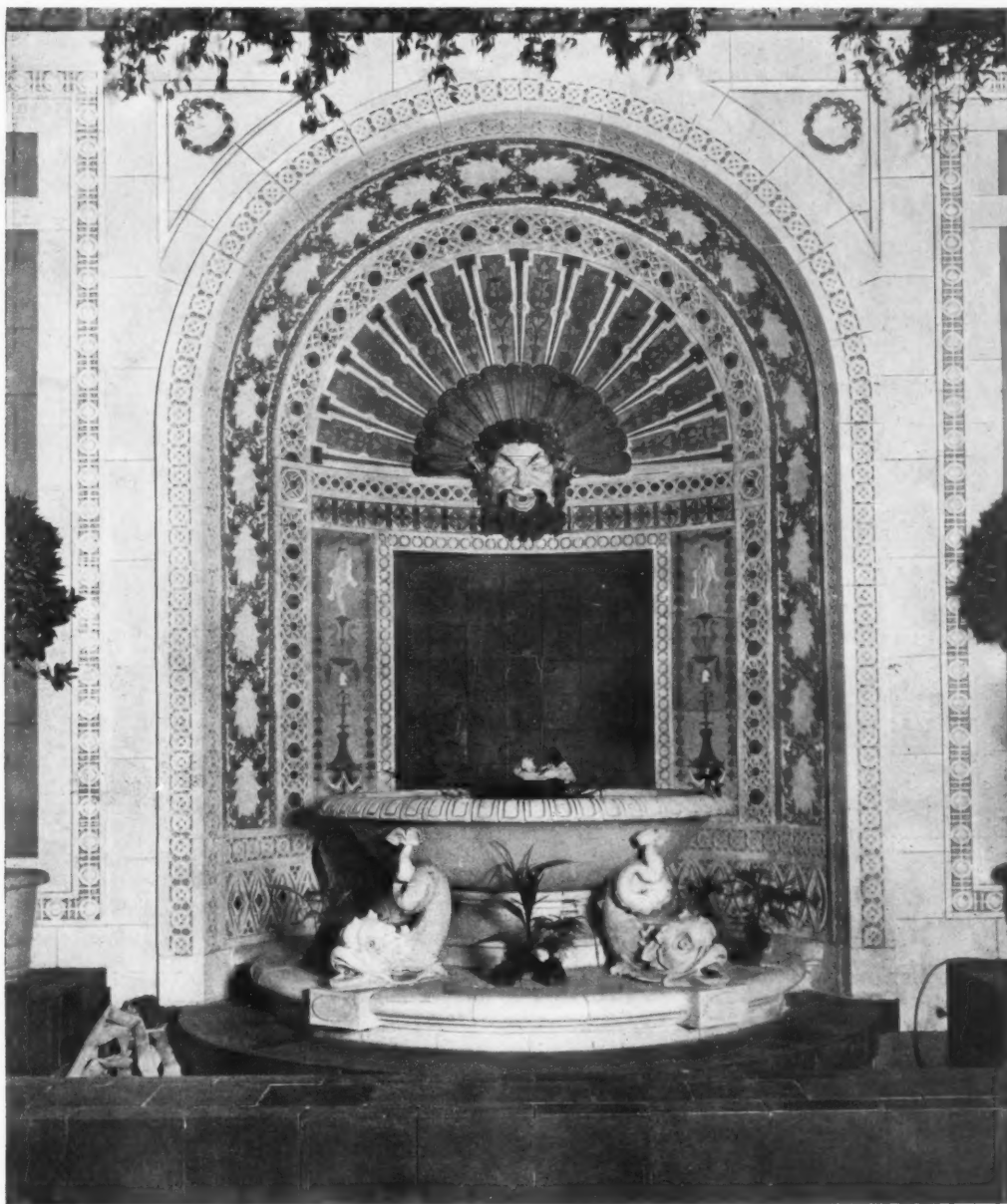
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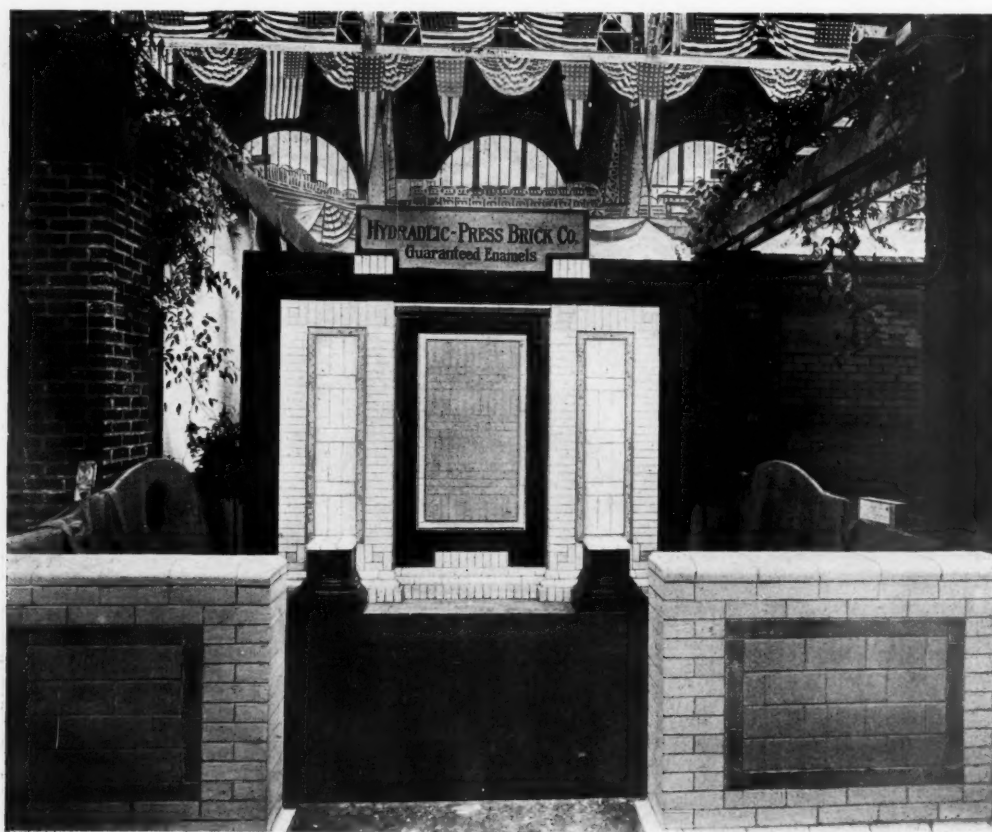


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Though the first strictly clay products exposition ever held in the world it was one of the greatest successes of any exposition ever held.

Clay products are so manifestly superior in the building trade that those interested in building visited the show and then sent others, returning themselves for further investigation and study.

The prize brick bungalow which had been built full size in the exposition, was the central point of interest with the general public. It demonstrated the possibility of building a modern brick home for \$3,000. The display of plans submitted in the bungalow contest was always thronged with an eager army of home builders and architects.

The displays of various clay products were full and complete and every exhibitor was surprised and pleased with the amount of business done. 150,000 people visited the exposition in the six days it was open.

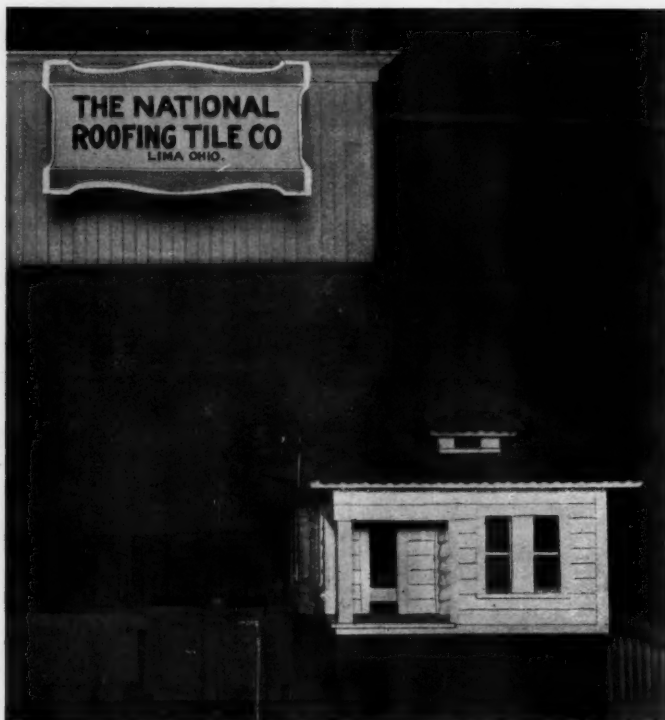
Exhibitors are already reserving space for next year's exposition.

THE CLAY PRODUCTS EXPOSITION CO.
815 Chamber of Commerce Bldg., Chicago, Ill.

THE exhibit of The National Roofing Tile Co. of Lima, Ohio, attracted crowds of interested visitors, the model bungalow, roofed with red tile, being the chief drawing card.

The little house was built to scale from the plans of a well-known Minneapolis architect, and was covered with siding and painted white.

The National Roofing Tile Company's product is made of semi-vitreous clay, under a pressure of thirty-five tons, on metal dies—thoroughly dried and burned. By this method the product is far superior to any other on the market. Being made under such high



pressure, less moisture is left in the tile, consequently the shrinkage and warpage is reduced to a minimum. Also, the product is more dense, and is guaranteed to withstand the effects of frost.

This tile has, as the name indicates, a complete double-interlock at all points, with the added advantage of the successive overlapping and covering of joints or what is commonly termed "breaking of joints," forming a thoroughly water-tight roof. The tile is made in Natural Reds and Green Glazes, and, in addition to the Standard Pattern, the company makes a "Georgian" tile, which is rapidly coming into popular favor.

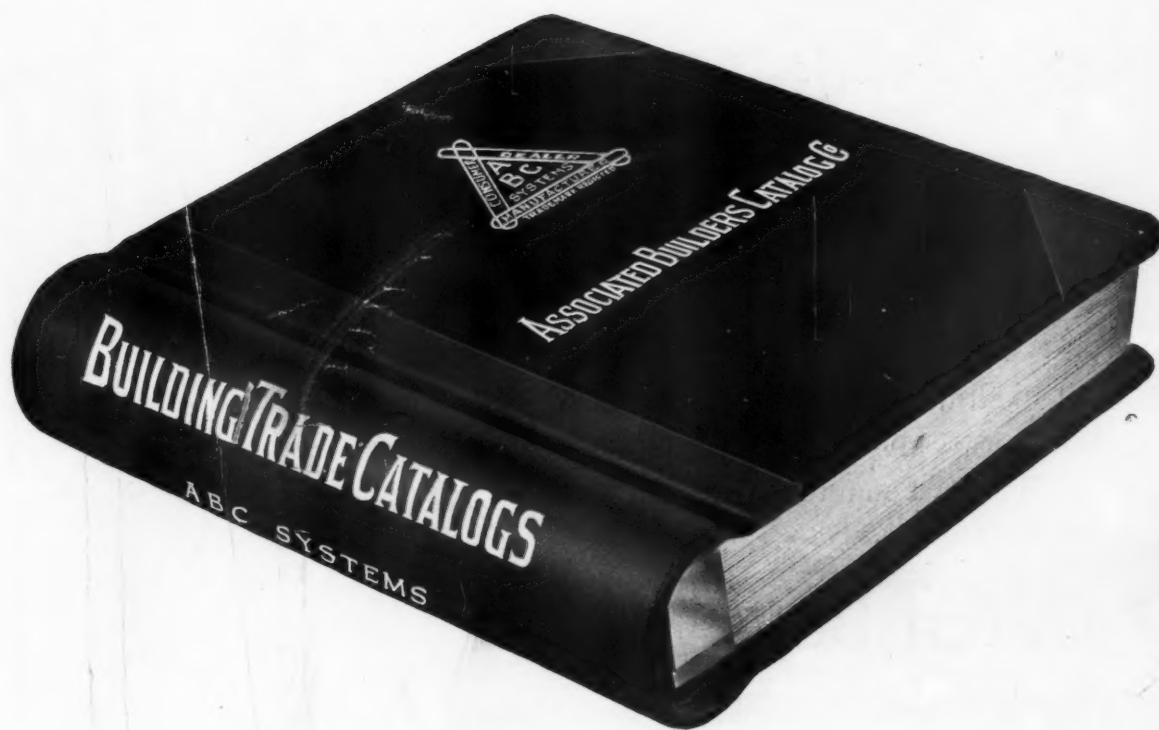
This Company's product is being extensively used in all sections of the country and particularly on Long Island. Stucco and tile are being almost exclusively used and they form a pleasing combination.

The National Roofing Tile Co., Lima, Ohio

PRINCIPAL AGENTS

EDWARD E. BUHLER CO. of 103 Park Ave., New York, and Messrs. ROPER & STRAUSS of Atlanta, Georgia

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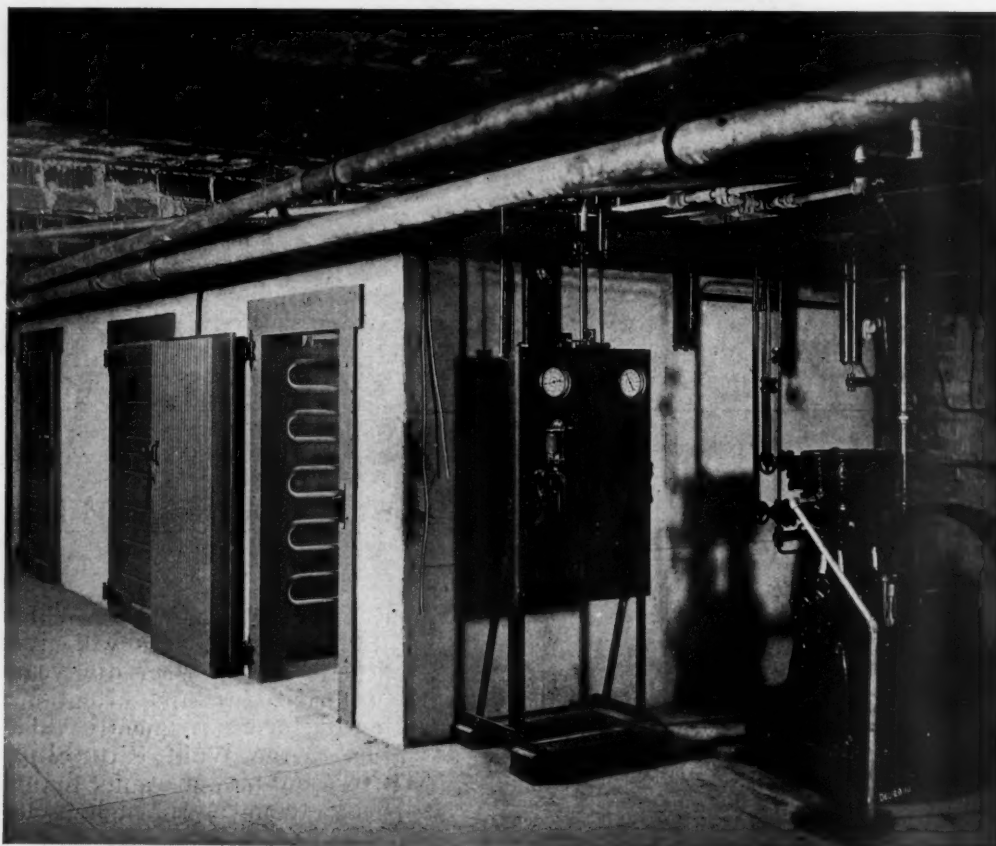
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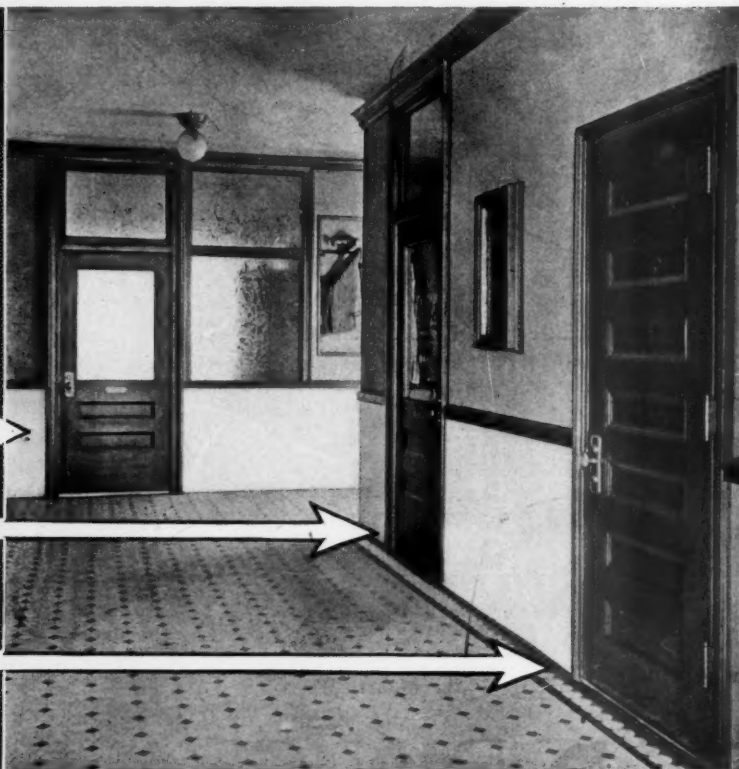
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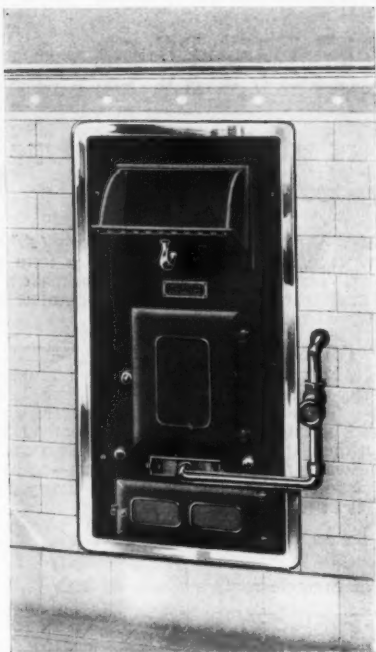


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The *Tyrofuse* SYSTEM of Garbage Disposal in Apartment Houses is now used by Architects because it is the most modern and sanitary system, and also is convenient and practical.

Best Results

are secured by placing the garbage and other refuse, such as sweepings and paper, into the *Tyrofuse* as it accumulates, and then it is burned at any time during the day.

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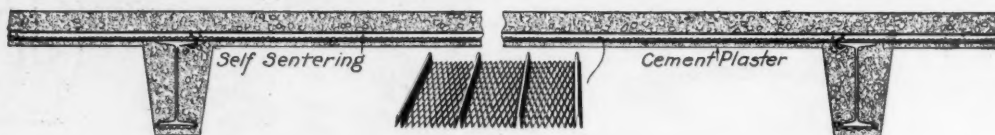
Tyrofuse Type "G" as shown above, is one Apartment House size. The front is 18 in. x 36 in. and requires 14 in. depth of wall space. Its capacity is one bushel.

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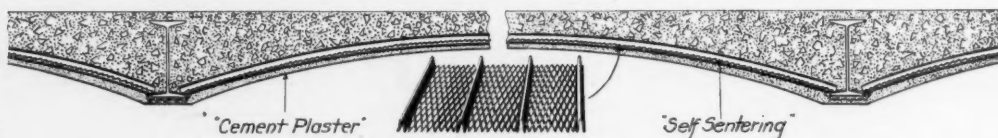
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The first *economical* fireproof floor adaptable to any type of construction—wood, steel or concrete beams.

The large sheets of Self-Sentering are simply laid on top of the beams (or on beam boxes where concrete beams are used) securely fastened with staples, or with special patented clips and the concrete applied to the required thickness. Self-Sentering acts as both reinforcing and centering—eliminates all expensive form work and insures a uniform and efficient reinforcement.

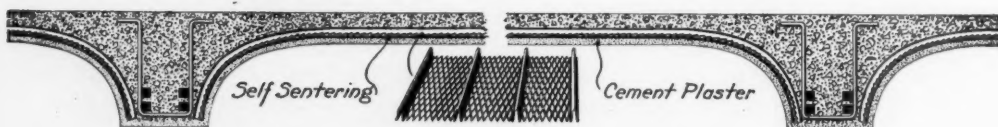
For extra heavy loads Self-Sentering is used with arched slab construction—the sheets being curved in our factory to any desired radius. They are placed and concrete applied as readily as in flat slab construction. Curved form work, the most expensive of concrete centering, is absolutely eliminated. Self-Sentering acts as both form and reinforcing.

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We will not do architectural engineering; we cannot afford to compete with the architect or engineer, but we will work with and for them, giving them the benefit of our Engineering Department's services. Tell us of any work you have in mind and get our suggestions.

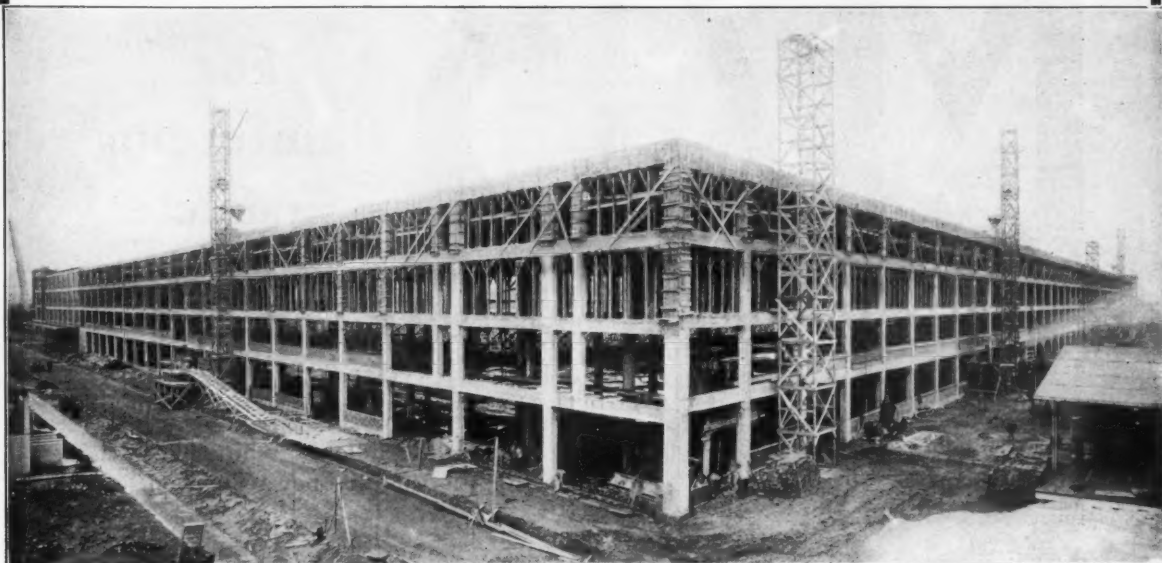
Write for pamphlet descriptive of Self-Sentering, giving load tables and complete information. Samples also furnished on request.



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Addition to Manufacturing Plant, Ford Motor Co., Detroit, Mich. Building 759' 6" x 430' 3". CORR-PLATE FLOORS

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Give the Most Reinforcement Per \$ Expended

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¶ M-B Bars cost no more per pound than any other reliable reinforcing steel, and yet you buy more actual reinforcement for the same money when you buy M-B Bars. Because—

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¶ M-B Bars have an elastic limit of approximately 60,000 lbs. per square inch—approximately 10,000 lbs. in excess of ordinary makes of reinforcing steel—

Therefore, M-B Bars with the same quantity of steel and at the same cost, give you more structural strength for your investment; or, M-B Bars can give you the same degree of reinforcement for less money.

¶ It is, as you see, a mathematical certainty that you get most for your money when you buy M-B Bars.

¶ This is true because M-B Special Open Hearth Cold Twisted Steel is the only reinforcing steel which combines the great ductility of the low carbon bar with the high elastic limit of the high carbon bar, producing a bar which makes economy of steel compatible with structural safety.

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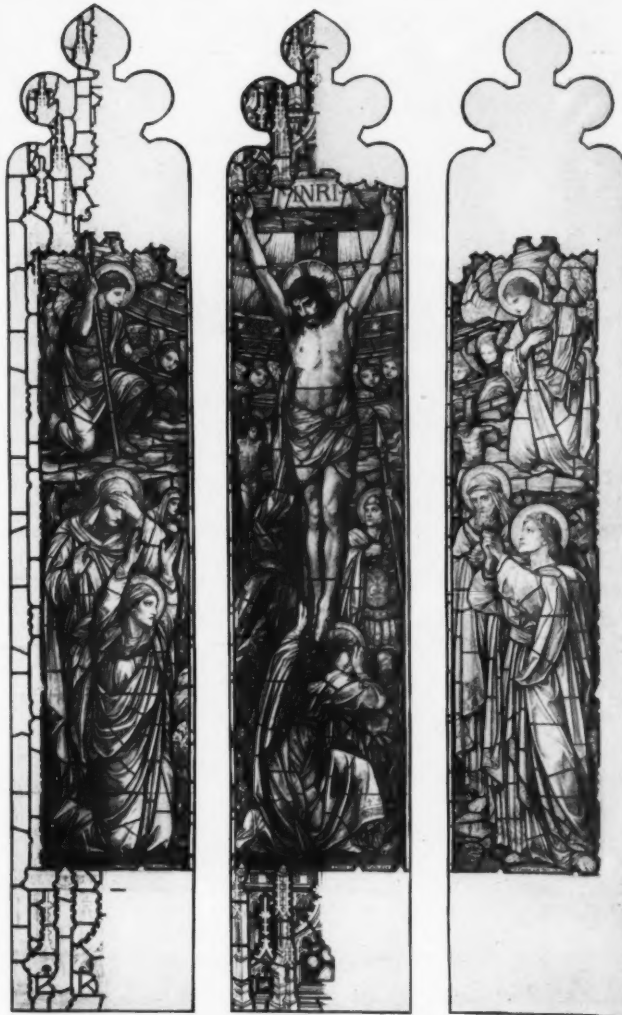
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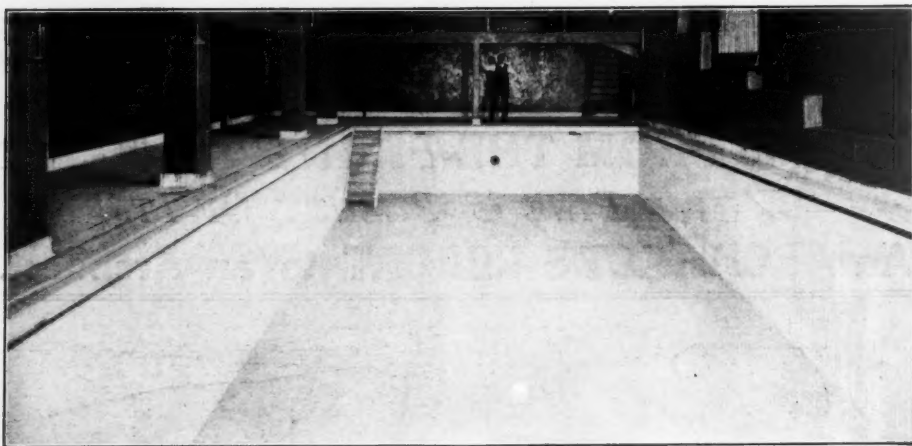
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Wonderful Results With TRUS-CON WATERPROOFING PASTE

In Waterproofing only ACTUAL RESULTS COUNT. Read what Soho Public Baths of Pittsburgh has to say about TRUS-CON WATERPROOFING PASTE:

SOHO BATHS
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January 31st, 1912.

Trussed Concrete Steel Co.,
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Yours truly,
(Signed) D. P. MARSHALL,
Superintendent.

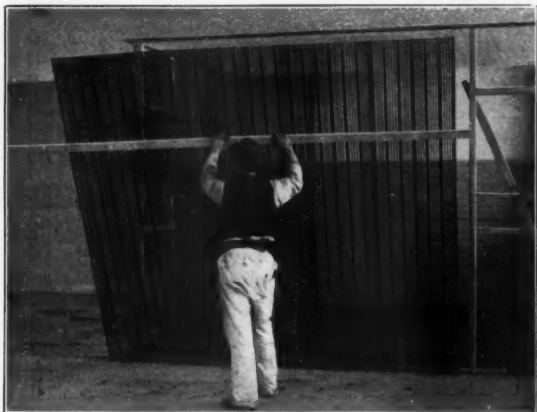
The use of *Trus-Con Waterproofing Paste* is very simple; merely dissolve it in the water used in mixing the concrete and secure the most positive and permanent waterproofing.

"SCIENCE AND PRACTICE COMBINED IN WATERPROOFING." A Valuable Hand Book, discussing in detail the waterproofing of concrete and stucco, the waterproofing of standpipes, cisterns, reservoirs, foundations and similar structures, and shows how to use TRUS-CON WATERPROOFING PASTE, either throughout the entire concrete mass or in the form of a plaster coat.

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CEILINGS—HY-RIB is attached to the lines of support and plaster applied directly to the under side. HY-RIB does away entirely with the small channels, T's and angles necessary where ordinary lath is used.



HY-RIB is a steel sheathing, stiffened by rigid, deep ribs, formed from a single sheet of steel. HY-RIB does away with the use of centering and studs in concrete construction. HY-RIB provides a perfect surface and clinch for plaster.

FLOORS AND ROOFS—Merely lay the HY-RIB over the supports; pour in the concrete and plaster the under side. HY-RIB provides both the centering and reinforcement for the concrete, reducing costs and simplifying construction.

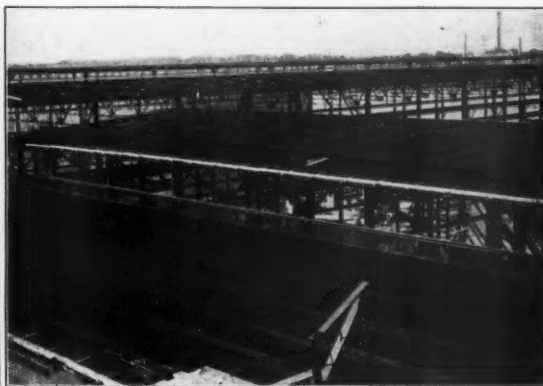
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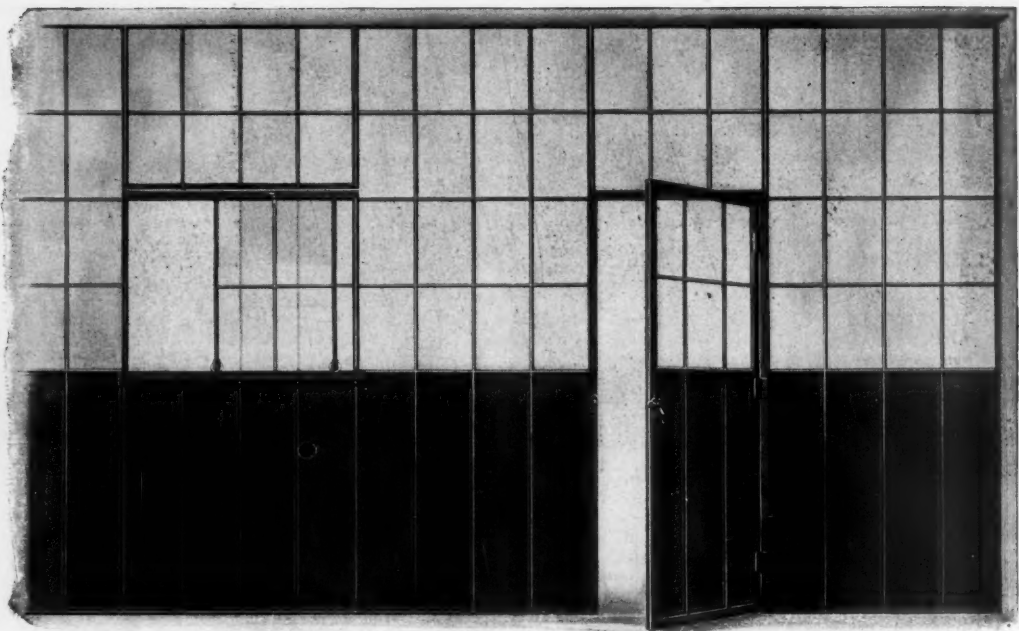


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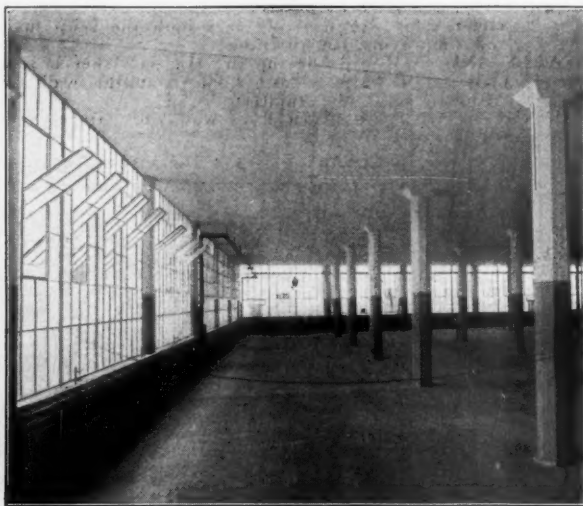
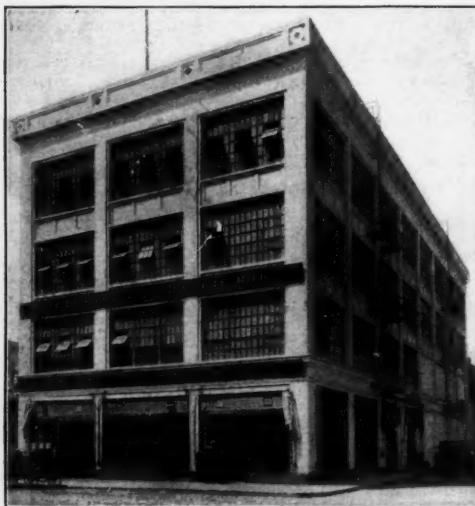


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A Daylight Factory is a cost saver. Men work better and do better work, with less waste of time and material. UNITED STEEL SASH are proof against storm and fire, cutting insurance, eliminating danger from accidents, making sanitary factories with contented workmen. Every foot of floor space in a Daylight Factory is available.

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