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AMERICAN
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IN NEW YORK

THIS ISSUE CONTAINS

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VOLUME XCVIII

NOVEMBER 9, 1910

NUMBER 1820

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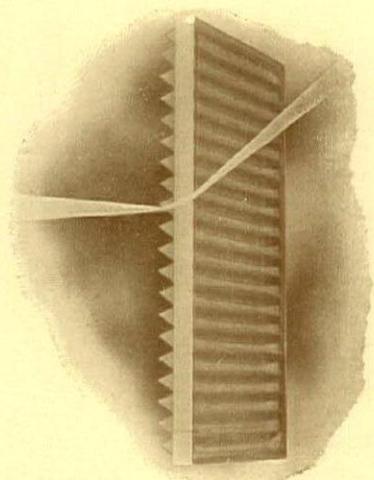


PLATE I. This illustration shows how light rays are bent by means of prism angles.

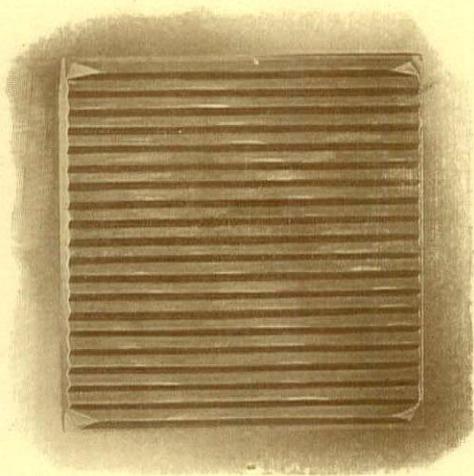


PLATE II. This illustration shows appearance of simple prism square. Note angles on surface.

The operation of *Luxfer* like most scientific successes is extremely simple. In Plates I and II we show the manner in which light is diverted to any desired point. The same principle holds in all the various forms of *Luxfer Prisms*.

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CURRENT NEWS *and* COMMENT

Condensed Minutes of October Meeting, Philadelphia Chapter, A. I. A.

At the October and annual meeting of the Philadelphia Chapter, A. I. A. the following officers were elected: Wm. D. Hewitt, president; John Hall Rankin, first vice-president; Milton D. Medary, Jr., second vice-president; Horace Wells Sellers, secretary; John P. B. Sinkler, librarian; Charles L. Borie, Jr., treasurer.

Executive Committee: D. Knickerbacker Boyd, Arnold H. Moses, Paul P. Cret.

Delegates to the Convention of the Institute, to be held in San Francisco on January 17, 18 and 19, 1911: Wm. D. Hewitt, ex officio; Horace Wells Sellers, ex officio; John Hall Rankin, Edward A. Crane, D. Knickerbacker Boyd, Charles L. Borie, Jr.; Charles A. Ziegler, Milton B. Medary, Jr.

The meeting was called to order by the president, Mr. Wm. D. Hewitt, who delivered his annual address.

The Executive Committee and all the standing committees reported, among them:

Mr. Ziegler for the Committee on Preservation of Historical Monuments, who reported that the city had accepted the proffered assistance of the chapter in preparing plans for and superintending the restoration of Congress Hall, also for lamps to be placed around Independence Square, in which work his committee, in conjunction with Chief McLaughlin, of the Electrical Bureau, were now engaged.

Mr. Rankin reported for the Committee on Competitions that the committee had been instrumental in improving the program of several competitions during the past year and that the profession and the public had been the gainers thereby.

Mr. Frank Miles Day, at the request of the chair, made a brief report on the work accomplished by the Standing Committee on Competitions of the Institute. He referred to the success of the committee in improving the character of competitions throughout the country.

Mr. Moses, for the Committee on Biography and History, reported that the last work had been done on the history of the chapter which his committee has been compiling and that it would soon be ready for distribution. He also reported that the committee had sent out blanks to all members to be returned with data concerning the life and attainments of each.

The securing of chapter quarters or the erection of a building for the use of the chapter was discussed with the committee appointed for that purpose and the work of the committee ordered continued.

Mr. Crane reported that his committee was concluding all arrangements for the annual dinner of the chapter to be held on November 11, the forty-first anniversary of the founding of the Chapter, at the University Club.

The conduct and management of the usual architectural exhibition was discussed and a committee was appointed to confer with a committee of the T Square Club and arrange all details for an exhibition to be held this season.

Mr. Medary spoke on the recommendation contained in the president's address that a Philadelphia Society of Architects be formed with whom could be associated heads of other allied societies and those interested in the advancement of the arts and sciences.

The president was authorized to appoint a committee to formulate a plan for the organization of such a society and to investigate the charter of a similar society which was formed in Philadelphia in 1871 and to report at a future meeting of the chapter.

Professor Laird reported for the Committee on Education and Program that a program for the ensuing year was in the course of preparation.

Mr. Boyd, for the Committee on Public Information, reported on the work of his committee during the year. This report contained two recommendations, which were very favorably received by the meeting, one of them being that steps should be taken for securing for the institute a document now sorely needed and one of almost equal importance with the schedule of charges and code of ethics, namely a form of agreement between architect and owner. The report suggested that this agreement should not be a short perfunctory affair, but one setting forth in full what each respectively is expected to do in relation to the whole operation, this being public information on a subject now sadly neglected by both the parties in interest.

The other suggestion of the Committee on Public Information was that all the chapters of the Institute should be communicated with and those not having committees on public information should be urged to appoint such a committee. That, further, these committees should arrange between them to exchange minutes of all of their meetings and of any papers issued by any of the chapters. This would extend and enlarge upon the acquaintances formed each year through delegates of the chapters at the conventions and in being beneficial to the chapters would undoubtedly advance the interests of the Institute itself. Few of the chapters now have committees on public information and but two or three issue printed minutes which have been distributed to other chapters and have been the source of healthful suggestions.

Mr. Day pointed out that the Institute's Committee on Contracts and Specifications had been considering a contract between the owner and architect, and as the Philadelphia Chapter's Committee on Public Information were willing to undertake the work of beginning such a document, a motion was passed that they be requested to submit a tentative form to the chapter for its later consideration.

As to exchange of minutes and communicating with other chapters, a motion was also passed instructing the Executive Committee to communicate with the other chapters with the hope that the suggestion might be carried out.

By the Civil Code of France both architect and contractor are held responsible for ten years after the completion of a building for any defects which may develop during that time. It has recently been decided by the French courts that this applies only to such defects as put a building in jeopardy, and not to secondary or minor faults.

M. Antoine, ex-president of the National Society of French Architects, has been appointed Mayor of the city of Amiens.

The Northwestern Architect is in favor of licensing architects in Oregon.

CITY PLANNING CONFERENCE AT LOS ANGELES

Los Angeles, Cal., will have a city planning conference on November 14 to 16, at which time representatives of the various south-western cities will discuss the problems of town improvement that are now fully appreciated as of the greatest importance in civic development.

La Nazione, of Florence, Italy, in the issue for October 16th, publishes a full summary of Professor Good-year's first article on the Leaning Tower of Pisa, which was written for THE AMERICAN ARCHITECT and appeared in our columns September 28th.

SOCIETIES

RHODE ISLAND CHAPTER DISCUSSES COMPETITIONS

Competitions was the subject under discussion at the last monthly meeting of the Rhode Island Chapter, A. I. A. A committee was appointed to secure permanent rooms to meet the needs of the Chapter and its largely increased membership. A communication was read from the Washington State Chapter requesting information as to building laws in Rhode Island, to which the secretary was directed to reply with full information.

The Chapter voted a contribution of \$50 to the McKim memorial.

OAKLAND (CAL.) ARCHITECTURAL CLUB

We stated in a previous issue that the architects of Oakland, Cal., contemplated the organization of an Architectural Club. We now learn that this has been accomplished. The officers elected for ensuing year are as follows: President, Hart Wood; vice-president, E. B. Mead; secretary-treasurer, W. J. Wilkinson; directors—John Galen Howard, L. C. Mulgardt, Oswald Spier and C. E. Richardson.

PERSONAL

Albert Held, architect, Spokane, Wash., informs us that he has moved his offices to the Realty Building, Spokane.

We are informed that the firm of Charles Henry & Son, architects, Akron, Ohio, has been dissolved by mutual consent.

Mr. Leroy W. Henry will continue the business, in which he will be associated with Mr. Milton E. Murphy, under the firm name of Henry & Murphy.

INDUSTRIAL

FIFTY-THREE YEARS AT ONE LOCATION

After fifty-three years of business activity at one location, I. P. Frink, manufacturer of reflectors, has, owing to a rapidly increasing business, been compelled to move to larger quarters at the northwest corner of Twenty-fourth street and Tenth avenue, New York.

Frink reflectors, known wherever reflectors have been used, were for half a century and over made at 53 Pearl street, New York.

CONCRETE MACHINERY

The Ideal Concrete Machinery Co., of South Bend, Ind., have recently issued catalogue No. 13 illustrating the Ideal Automatic Power Tamper and the Ideal Scraper and Finisher Attachment, made by them.

The book contains interesting facts concerning the practical and economical manufacture of concrete blocks and may be had on application.

COST DATA

Duncan M. Robertson, 156 Fifth avenue, expert on specification and data, has published a card of cost data, based on cubic foot of building contents, exclusive of scenic and other features. It contains practical and useful information and may be had for a two cent stamp.

VACUUM CLEANER COMPANIES COMBINE

The McCrum-Howell Co., of Forty-first street and Park avenue, New York, manufacturers of vacuum cleaners, announce that it has taken over the business of the Model Heating Company, Philadelphia and New York; the Cameron-Schroth-Cameron Company, Chicago; The American Air Cleaning Company, Milwaukee, Wis.; The Vacuum Cleaner Company, New York, and the Sanitary Devices Mfg. Co., San Francisco.

There will be no change in the policy of the company, but with all products manufactured in their own plants they will be able to give even better service than in the past.

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They desire to communicate with architects and will mail illustrated catalog on request.

FERRO-LITHIC PLATES

The Berger Mfg. Co., of Canton, Ohio, whose Ferro-Lithic plates, for use in concrete construction, were referred to in these columns some time ago, inform us that these plates are used to a large extent in the new freight station, H. T. Hawk, architect, that the Chicago & Rock Island Railroad is erecting at Kansas City. This Ferro-Lithic plate consists of dove-tailed cross-ribbed steel sheets which act both as form and reinforcement. The concrete is applied on the upper side, while a good plastering surface remains on the lower side.

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It would seem that architects might find literature, which The Berger Mfg. Co. will gladly send upon request, interesting and profitable reading.

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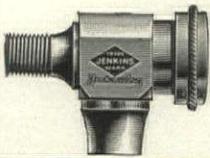
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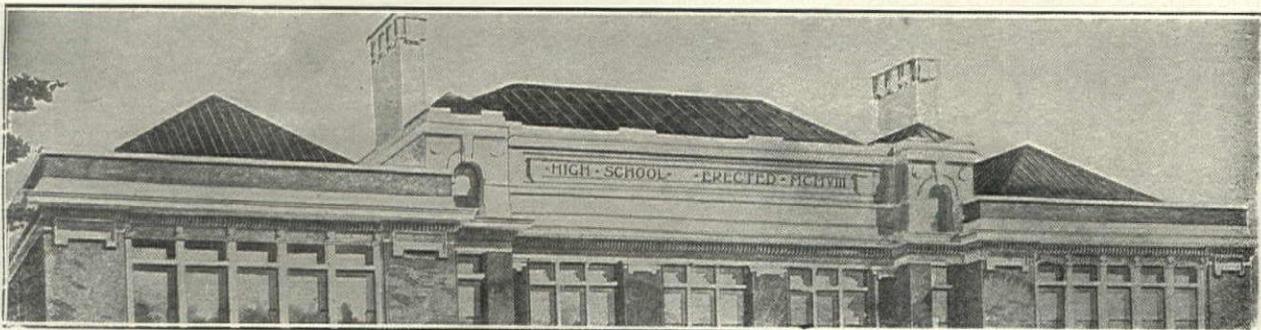
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BUILDING NEWS

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

BESSEMER.—Methodist congregation will soon begin work on erection of edifice at Nineteenth St. and Arlington Ave.

BIRMINGHAM.—Smith Realty & Development Co. will erect warehouse on First Ave. Steve Smith, President.

BIRMINGHAM.—Architect Scott Joy is preparing plans for erection of \$30,000 residence for Judge Oscar Hundley.

TUSCALOOSA.—J. S. Fairriss will erect bored column plant. Site purchased.

ARKANSAS

PRESCOTT.—Scott Bros. have decided to erect two-story office building.

CALIFORNIA

CENTERVILLE.—Centerville Masonic Trustees will erect \$10,000 temple on Main St.

OROVILLE.—Company I is considering erection of armory.

LOS ANGELES.—C. C. Rittenhouse, 206 S. Spring St., has prepared plans for erection of three-story \$30,000 apartment house at Twenty-fourth and Scarff Sts.

LOS ANGELES.—Plans for erection of a large store and apartment building at corner of Moneta Ave. and Forty-first Place have just been completed by Matthews & Matthews, Financial Agents. Cost, \$20,000.

Plans will be prepared by city for erection of \$18,000 engine house at Washington and Arlington Sts.

LOS ANGELES.—William Garland will erect three-story \$55,000 brick building at 621 S. Spring St.

LOS ANGELES.—Council has appropriated \$20,000 to be used in erecting police sub-station in Boyle Heights and the Fire Department is planning to build an engine house in same district.

LOS ANGELES.—Trinity M. E. Church has decided to erect \$100,000 edifice at Ninth and Grand Sts. Webber & Smith, Homer Laughlin Bldg., architects. Rev. R. P. Howell, pastor.

OROVILLE.—Plans have been prepared for erection of proposed Angels' Flight Hotel. Ernest Crooks and Chas. Ward are interested.

REDLANDS.—Company G has received plans for new armory the company will erect at cost of \$17,000.

SAN FRANCISCO.—Board of Supervisors has accepted offer of Whitcomb Estate Co. to erect temporary city hall, cost \$450,000, on Market St.

SANTA CRUZ.—Bids will be received until 3 p. m., Dec. 5, by James Knox Taylor, supervising architect, Treasury Department, Washington, D. C., for complete construction of post-office.

COLORADO

CANON CITY.—Local Elks are considering erection of \$30,000 club house at Macon Ave. and Fourth St.

COLORADO SPRINGS.—St. Paul M. E. Church will erect \$20,000 edifice at Nevada and Vermijo Aves. Rev. W. E. Bennet, pastor. T. P. Barber & Bro., Bank Bldg., architects.

DENVER.—Fire and Police Board will consider erection of three fire stations.

Plans are being prepared for erection of six-story brick addition to Y. M. C. A. at Eighteenth Ave. and Sherman St.

CONNECTICUT

BRIDGEPORT.—F. R. Garrett is planning to erect eight residences on Hanover St.

BRISTOL.—Yahnig & Cohoon, 77 North St., will erect factory on Terryville Ave.

MYSTIC.—Charity and Relief Lodge, F. & A. M., will erect proposed temple on Gravel St.

NEW BRITAIN.—Unkelbach & Perry have completed plans for club house for the Maple Hill Improvement Society, to be erected at Maple Hill.

NEW HAVEN.—Local masons have decided to erect temple. Chas. E. Rounds, Chairman Special Committee.

PLANTSVILLE.—Plant of H. D. Smith & Co., destroyed by fire, loss \$200,000, will be rebuilt.

WATERBURY.—Plans have been completed by Architect C. A. Tyler for new two-tenement house on Oak St. for Peter Barber.

Architect C. A. Ketchen, Jr., is drawing plans for frame cottage on Watertown road for Henry Bario.

Architect C. Jerome Bailey, 63 Bank Bldg., has plans completed for three-tenement frame house on Bunker Hill road for Benton Cashman.

Plans have been completed by Architect F. J. Dixon for an addition to M. D. Russell's block at corner of South Main and Clay Sts.

DELAWARE

WILMINGTON.—St. Paul's M. E. Church has decided to erect proposed edifice on Jackson St.

DISTRICT OF COLUMBIA

WASHINGTON.—Municipal Architect Ashford has prepared plans for three additional school buildings.

Plans for the addition to the Calvary M. E. Church are now being revised by Harding & Upman, architects, 729 Fifteenth St. N. W.

WASHINGTON.—Board of Education is having plans prepared by Snowden Ashford, 1719 Riggs Pl., N. W., for erection of Normal School at 11th and Harvard Sts., N. W.; cost, including grounds, \$250,000.

FLORIDA

DAYTONA.—H. & L. J. S. Dohn will erect brick hotel at Palmetto and Orange Sts. in near future.

JACKSONVILLE.—Jack Bauman has prepared plans for erection of a handsome new apartment house at foot of Copeland St., in Riverside, for J. F. Ellenberg.

KEY WEST.—E. H. Gato will erect steel and concrete factory building.

LAKELAND.—J. L. Tallevast, Hillsboro Hotel, Tampa, has had plans prepared for erection of \$60,000 hotel.

NEWBERRY.—Bids will be received by the Bank of Newberry and W. B. Camp, architect, until Nov. 20, for furnishing all materials and building brick and stone bank building.

ST. PETERSBURG.—Catholic Church is considering erection of \$5,000 church. Rev. M. A. Higgins, Tampa, is interested.

GEORGIA

ATLANTA.—Estimates on the price and specifications of the new schools planned by Board of Education are being secured.

AUGUSTA.—Commission of Public Works, Wingfield, will prepare plans for proposed city stockade.

MACON.—Southern Cotton Oil Co. and Atlanta Ice & Coal Co. will rebuild plants destroyed by fire.

MILLEDGEVILLE.—Large building will be erected at once on prison farm.

SAVANNAH.—Mowbray & Uffinger, 56 Liberty St., New York City, have prepared plans for erection of bank and office building for Savannah Trust Co.

TIFTON.—Bids will be received until Nov. 22 for erection of court house; plans by Falls City Construction Co., Louisville, Ky. M. Tucker, Chairman County Commissioners.

ILLINOIS

BELLEVIEW.—Committee composed of Frank Dietz and Henry Diller, of Lessing Lodge; H. R. Heimberger and George Glackmeier, of Garfield; and Messrs. Michaelis and Erlinger, of Cavalier Lodge, has been appointed to map out a plan of procedure for erection of Pythian Home.

CHICAGO.—Company, headed by Jas. O. Heyworth, will erect \$2,000,000 twenty-story building to include theater. C. A. Eckstrom, 131 LaSalle St., architect.

CHICAGO.—Architects Holabird & Roche, 1618 Monadnock Bldg., have prepared plans for erection of six-story building at 551 Wabash Ave. for Martin Ryerson.

CHICAGO.—Nathan Nathan and manufacturing building at South Jefferson St. and School Place.

Murray Wolbach is considering erection of six-story mill

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constructed building at Indiana Ave. and E. Twenty-third St. Frank A. Hecht is having plans prepared for erection of seven-story \$350,000 building on Throop St.

Council 632, Knights of Columbus, will erect three-story brick lodge building at Sixty-second St. and Cottage Grove Ave.

Mandel Bros. have announced plans for erection of fifteen-story \$2,000,000 store building at State and Madison Sts. Holabird & Roche, 1618 Monadnock Bldg., architects.

GRANITE CITY.—Bids will be received by James Knox Taylor, supervising architect, Treasury Department, Washington, D. C., until 3 p. m., Dec. 8, for complete construction of postoffice.

PARIS.—American Tobacco Co. will erect warehouses, cost \$40,000, near this city.

PEORIA.—Congregation Agudus Achim, Monson St., will erect church. Rabbi Jacob Klein, Pastor.

QUINCY.—Kurz Machine Co., Seventh and Vermont Sts., will at once erect garage. Cost \$15,000.

WAUKEGAN.—Architect I. A. Worsfold, 3 Dodge Bldg., has prepared plans for erection of two fire stations.

INDIANA

LAPORTE.—Architect Walter Shattuck, 218 La Salle St., Chicago, has completed plans for erection of building for Boston Co-operative Co. Morris Levine, Michigan City, is interested.

LOGANSPORT.—School Board is considering erection of annex to high school.

MARION.—Samaritan Lodge of Masons will erect \$30,000 temple at Fifth and Boots Sts.

MICHIGAN CITY.—Samuel Grieger, 415 E. Eighth St., is considering erection of modern business block at Baltimore and Franklin Sts.

MUNCIE.—Industry United Brethren Church, Rev. C. H. Stratton, Pastor, is considering erection of church.

RICHMOND.—West Richmond Friends are considering erection of Memorial Church on Earlham Campus.

John A. Evans, 1225 Main St., will erect large building at Tenth and Main Sts.

IOWA

DES MOINES.—D. S. Chamberlain is planning to erect large business block on W. Locust St.

SIoux CITY.—Additions and remodeling to the building of Hornick, Hess & More, wholesale druggists on Pearl St., will be undertaken next spring that will involve expenditure of approximately \$30,000.

WATERLOO.—Contract will be let on Jan. 15 for erection of superstructure of proposed hospital for Franciscan Sisters. Cost, \$130,000; foundations completed. J. H. Tenney, Superintendent of Construction.

KANSAS

CONCORDIA.—Board of Education is considering erection of \$20,000 school.

PHILLIPSBURG.—County will vote on \$60,000 bonds to erect jail and court house.

KENTUCKY

COVINGTON.—Shattuck & Hussey, Archts., 143 La Salle St., Chicago, Ill., are preparing plans for \$75,000 Y. M. C. A. building, four stories high. E. Fogg, secretary.

LOUISVILLE.—William Reeser will erect two large apartment buildings to cost \$70,000 in Kensington Court.

LOUISVILLE.—J. J. Gaffney, 455 W. Jefferson St., is taking bids on three-story building to be built on Jefferson St. for B. Bernheim. Cost about \$50,000.

LOUISIANA

NEW ORLEANS.—Plans have been completed by Architect Geo. F. Hammond, 734 Euclid Ave., Cleveland, O., for erection of factory building on Carrollton Ave. for American Chiclé Co. W. H. Keighley, local manager.

NEW ORLEANS.—The Agudath Achim Ansher Sfard Synagogue is considering erection of building.

PATTERSON.—Citizens' State & Savings Bank has accepted plans for erection of brick building.

MAINE

BIDDEFORD.—Judge John Percy Deering is considering erection of four-story block on Main St.

ELLSWORTH.—Bids will be received by James Knox Taylor, supervising architect, Treasury Department, Washington, D. C., until 3 p. m., Dec. 7, for extension of U. S. postoffice and custom house.

MARYLAND

BALTIMORE.—William F. Ludwig has accepted plans by John Boyer, architect, for \$5,000 frame cottage to be erected at Oakfield and Springfield Aves.

BALTIMORE.—Gas and Electric Co. will at once erect distribution shops and garage at Arlington.

BALTIMORE.—Plans for the extensive improvements, including erection of five-story warehouse, to be made by Dietrich Brothers at Davis and Pleasant Sts. are nearing completion, and work will start soon.

John J. Ulrich is having plans prepared for improvements to nine buildings at Carrollton Ave. and Hollins St. Work is to cost about \$5,000.

BALTIMORE.—Bethany English Lutheran Church congregation has accepted plans by G. B. Lohmuller, architect, for \$5,000 one-story frame and stucco church building at the corner of Lakewood Ave. and Madison St.

Judson C. Carroll is having plans made by Edward L. Palmer, architect, for residence to be erected at Roland Park, to cost about \$10,000.

Dr. A. S. Warner is contemplating erection of apartment house at 320 and 322 South Highland Ave., Highlandtown, to cost about \$10,000.

BALTIMORE.—A. Schumann & Co., are considering erection of four-story brick warehouse at 325 W. Pratt St. Wm. A. Foreman is making competitive sketch.

Wyatt & Nolting, Keyser Bldg., have been selected to prepare plans for erection of warehouse at 4 West German St. for Franklin P. Cator.

BALTIMORE.—Plans for the new building to be erected in connection with the improvements to be made at the Maryland Training School for the Feeble-Minded, at Owings Mills, will soon be ready for bids. Ellicott & Emmert, Union Trust Bldg., architects. Improvements are to cost about \$150,000. C. L. Reeder, supervising engineer.

BAYNESVILLE.—Arnolia M. E. Church will soon erect edifice.

FEDERALSBURG.—Bids have been invited for erection of post-office. Jas. K. Taylor, supervising architect, Treasury Department, Washington, D. C.

HAGERSTOWN.—Bids for erection of the new Washington County Hospital will be received by Architect J. H. Ritchie on Nov. 15.

SALISBURY.—Bell Telephone Co. has purchased site on Church St. for erection of \$20,000 home.

MASSACHUSETTS

ATTLEBORO.—Proposals will be received by the County Commissioners of the County of Bristol, Taunton, for the building of a court house for the Fourth District Court. Brigham, Coveney & Bisbee, 184 Boylston St., Boston, architects; Frank M. Chace, Chairman County Commissioners.

BOSTON.—Ten apartment houses will be erected at 27 and 29 Garden St., West End, for Julius Krinsky, from plans by F. A. Norcross, 46 Cornhill St.

BOSTON.—City has purchased site at Parker St. and Fisher Ave., Roxbury, for erection of school.

BOSTON.—Five-story apartment house of brick and stone, to contain nine apartments, at 61 Mt. Vernon St., Beacon Hill, will be erected for Max Shoolman from plans by Hurd & Gore, 8 Beacon St. Cost about \$65,000.

Edison Electric Illuminating Company will build two houses, 2½ stories each, on Linden St., Allston, from plans by Bigelow & Wadsworth. Cost \$16,000 each.

Brick and stone apartment house to be erected at 25 Peterboro St., Back Bay, for Abraham Kantor et al., will be five stories high and will cost \$60,000. Plans by F. A. Norcross, 46 Cornhill St.

EASTHAMPTON.—School Committee is considering erection of school on Holyoke St.

FRANKLIN.—Harry Bullukian is planning to erect large building in Spring.

INDIAN ORCHARD.—Michael H. Lyons will erect vaudeville theater at Oak and Main Sts.

NORTHAMPTON.—Clarke School has accepted plans by A. Lincoln Fechheimer, Andrews Bldg., Cincinnati, for erection of \$50,000 school.

PITTSFIELD.—Mohegan Tribe of Red Men is considering erection of home on Pearl St.

REVERE.—An \$85,000 school building will be erected in Malden St., from plans by Edward S. Wilson.

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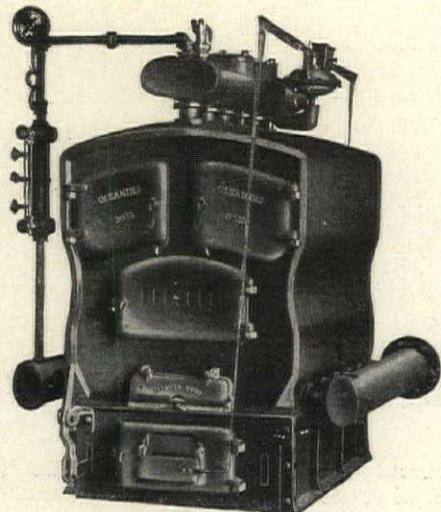
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SALEM.—Trustees of Salem Public Library, have decided to build addition to main building in Essex St.; also to build branch library building at corner of Ocean Ave. and Lafayette St., South Salem.

SOMERVILLE.—Dr. A. Waldo Forbush will at once erect summer residence on Metropolitan Boulevard, at Atlantic-by-the-Sea.

SOMERVILLE.—Plans for a three-apartment house to be erected in Pearson Ave., have been drawn for J. L. Malcolm. Building will be constructed of wood and will cost \$6,000.

SOUTHBRIDGE.—Litchfield Shuttle Co. will build new plant next spring in Shuttleville. Plans are completed for building of two new storehouses and a garage to be erected this fall.

MICHIGAN

DETROIT.—Architect C. Howard Crane is completing design of two-family flat for B. St. John on Farnsworth St.

DETROIT.—Day Automobile Co. has been incorporated and will erect factory. C. F. Roberts, 347 Woodward Ave., secretary.

Arthur Colton & Co., Detroit Gas Co. Bldg., will erect machine shop at Jefferson Ave. and Chene St.

DETROIT.—R. H. Marr, Ford Bldg., will receive estimates about Dec. 1, on \$100,000 eight-story and basement store and office building to be erected at Gratiot and Farrar Sts., for the Kiefer Land Co.

GRAND RAPIDS.—Premier Motor Co., Indianapolis, will erect garage on North Division St. Otto Kootz, manager.

IRONWOOD.—Roach and Seiber Co. will erect cement block building on McLeod Ave.

KALAMAZOO.—Christian Reformed Church is considering erection of edifice at Park and Vine Sts.

OWOSSO.—St. John's Mission, of Durand, is planning to build church. Cost, about \$15,000.

SAGINAW.—Frank Wolfarth, Geo. Strable and J. J. Feldman have secured plans from C. L. Cowles, Chase Block, Architect, for construction of summer cottages next spring at Linwood Beach.

STURGIS.—Erection of \$60,000 school is being considered.

MINNESOTA

BRAINERD.—Dr. J. L. Camp, of Advisory Board of State Sanatorium for Consumptives, is planning additional hospital.

DULUTH.—Library Board will purchase site in West Duluth for erection of \$20,000 Carnegie Library Building.

DULUTH.—Ribenaek Bros. have had plans prepared for erection of four-story \$30,000 hotel on Superior St. Kelly & Lignell, 700 Lonsdale Bldg., architects.

Plans for building to be erected for L. S. Loeb at corner of Lake Ave. and Superior St., are being prepared by J. J. Wangenstein, 401 Providence Bldg.

Radcliffe & Price, Palladio Bldg., are preparing plans for modern four-family flat building to be erected for Gilbert and Neil Patterson on Superior St.

SPOONER.—Architect B. D. Keck is preparing plans for combined church and parsonage for M. E. church congregation.

ST. PAUL.—Tentative plans are being considered for erection of proposed central police station.

ST. PAUL.—Fidelity Storage & Warehouse Co. is interested in proposed erection of \$100,000 warehouse at Third and Franklin Sts.

ST. PAUL.—Dr. Arthur Sweeney and Dr. Haldor Sneve, St. Paul, and Dr. W. A. Jones, Minneapolis, have asked council for permission to erect \$100,000 sanatorium for treatment of nervous diseases.

MISSOURI

EXCELSIOR SPRINGS.—Owners of New Elms Hotel, destroyed by fire, will rebuild at once. Cost, about \$200,000.

ST. LOUIS.—Architect Chas. F. May, Laclede Bldg., is preparing plans for erection of \$7,000 residence.

ST. LOUIS.—Board of Education is having plans prepared by Wm. B. Ittner, 911 Locust St., for erection of \$160,000 Harney Heights school building. Hans C. Toensfeldt, Commissioner of School Buildings.

NEBRASKA

OMAHA.—United States National Bank will begin work Jan. 1 on erection of twenty-story building at the corner of Farnam and Sixteenth Sts.

NEW JERSEY

ATLANTIC CITY.—Delancy Co., lessees of Hotel Dunlop, will erect 200-room addition. Frank Bowman, manager.

COLLINGSWOOD.—Architect George E. Savage, Provident Bldg., Philadelphia, is designing \$40,000 church and Sunday School building for First Baptist congregation.

GLEN RIDGE.—The Board of Education has announced competition plans for six-room school building with an assembly hall. Cost not to exceed \$30,000. Address H. Crittenden Harris, House Committee.

HIGH BRIDGE.—Central Railroad Company will erect \$20,000 passenger station.

HOBOKEN.—From plans prepared by Architect Philip Brummerhop, 118 Park Ave., \$70,000 office building will be erected on corner of Bloomfield and Newark Sts. for Hoboken Printing & Publishing Co.

JERSEY CITY.—Board of School Estimates is considering following appropriations: For enlargement and improvement of School No. 28, on Hancock Ave., \$60,000; erection of new School No. 34, Boulevard and Warner Ave., \$76,000; erection of new School No. 35, Sip and Whitman Aves., \$75,000.

JERSEY CITY.—Bids will be received by Board of Education, Nov. 22, 9 p. m., for erection of Technical and Industrial High School. John T. Rowland, Jr., 15 Exchange Place, Supervising Architect. G. Fred Ege, secretary.

JERSEY CITY.—Sophie Cohen, of Bayonne, will erect five two-family houses on Randolph Ave., from plans made by Architect Nathan Welitoff. Cost \$22,000.

From plans as prepared by Architect George A. Flagg, Jersey City Trust Bldg., two-family residence, cost \$6,000 will be erected on Van Reypen St., for Frank L. Bradbury, 531 Newark Ave.

MONTCLAIR.—Christian Union Congregational Church, Upper Montclair, is considering erection of \$32,000 addition.

MONTCLAIR.—Cedar Avenue Presbyterian congregation is planning erection of stone church.

NEWARK.—Imperial Laundry Co. has commissioned Richard W. Erler, 45 Clinton St., to design \$8,000 brick laundry at Fourteenth and Gould Aves.

NEWARK.—Plans have been completed by Hyman Rosensohn for four-story \$16,000 brick store and apartment building, which Otto J. Aaron will soon erect at 96 Belleville Ave.

Kaltenbach & Stephens are to build \$48,000 brick warehouse at 244-256 Sherman Ave. after plans by Maynard Klement.

Brick dwelling for fourteen families and stores is to be built on corner of Third Ave. and Fifth St. by Peter Trevisani, after plans by Del Guercio & Gonnelli. Cost, about \$20,000.

PENN GROVE.—Robeson Lea Perot, architect, Bailey Bldg., Philadelphia, has completed drawings and specifications for extensive alterations and additions to First National Bank.

PLAINFIELD.—Morris Abrams, West Front St., will prepare plans at once to erect business building on same street.

RAHWAY.—Plans and specifications have been prepared for erection of parsonage for First Methodist Church.

RED BANK.—J. H. Freedlander, 244 Fifth Ave., New York, has prepared plans for \$40,000 terra cotta block and marble residence for Andrew Freedman, 52 William St., New York City.

TRENTON.—Louis Cohen will erect hotel and theater at Union and Market Sts.

NEW MEXICO

TUCUMCARL.—All bids on plans for proposed Vorenberg hotel have been rejected as too excessive, and new bids have been called for. Building proposed is to be of the mission style and to cost in the neighborhood of \$30,000.

NEW YORK

BAY SHORE, L. I.—Firemen are considering erection of headquarters on Main St. C. W. Ackerly, Chief.

BUFFALO.—Henry E. Lynd, Westinghouse Electric & Manufacturing Co. and Frank O. Johnston will erect residences this fall.

LONG ISLAND CITY.—Lozier Motor Co. will erect large building at Thompson Ave. and Hulst St.

MOUNT VERNON.—Erection of fire house on Fifth Ave. is being considered. Plans prepared.

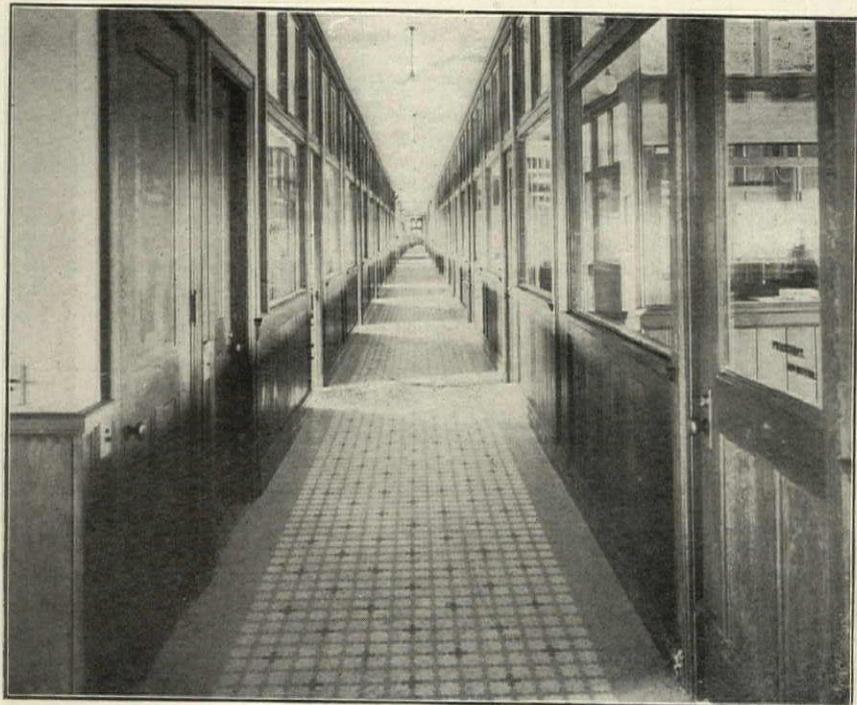
NEW YORK.—William Flanagan, Architect for the Department of Correction, has filed plans for building two extensions to three-story Children's Hospital and School on Randall's Island, opposite E. 118th St., at a total cost of \$40,000.

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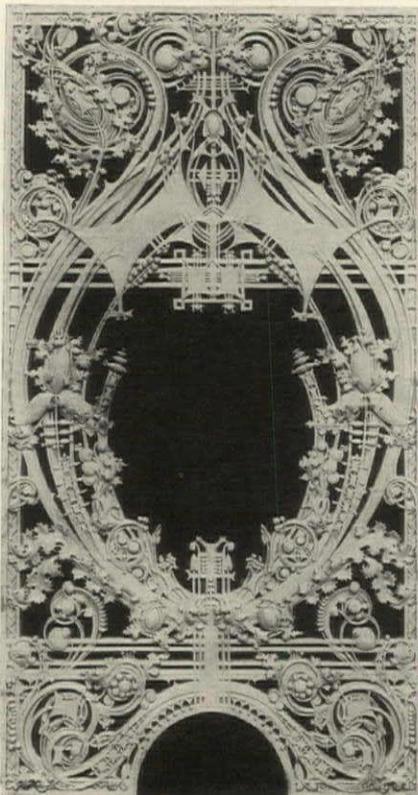
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NEW YORK—CHICAGO—LOS ANGELES

AGENCIES IN ALL PRINCIPAL CITIES

NEW YORK.—Julius Realty Co., 200 Broadway, will erect four-story factory on Division St. Cost, \$10,000. Hemmerfeld & Steckler, 19 Union Square, architects.

Chanler heirs will erect four-story store building at Sixth Ave. and Eighteenth St. Cost, \$125,000. Buchanan & Fox, 11 E. Fifty-ninth St., Architects.

Edward S. Murphy will erect six-story flat building with store, cost \$18,000, on Ninety-seventh St. Charles B. Meyers, 1 Union Square West, Architect.

Moore Bros. will erect \$20,000 storage building and stable at Eleventh Ave. and Twenty-fourth St. F. T. MacDonald, 41 W. Thirty-third St., Architect.

L. & S. Construction Co., Morris Silberman, President, will erect six-story \$30,000 flat on Washington Ave. Charles M. Straub, 147 Fourth Ave., Architect.

Three three-story brick dwellings with garage will be erected on Crotona Park North for Harris Ratner. Cost, \$25,000. Goldner & Goldberg, 704 Jackson Ave., Architect.

M. J. Cleary will erect \$5,500 frame dwelling on 228th St. George P. Crosier, 223d St. and White Plains Ave., Architect.

G. Gallena & Son, 2078 Prospect Ave., will erect \$15,000 brick store, dwelling and hall on 180th St. M. W. Del Gaudio, 401 Tremont Ave., architect.

NEW YORK.—Golde & Cohen, 198 Broadway, will erect \$7,000 brick store and dwelling on 179th St. Chas. B. Meyers, 1 Union Square West, architect.

Gruenstein & Mayer, 230 Grand St., will erect \$6,000 brick store and dwelling on 145th St. C. B. Meyers, architect.

Fourth Ave. Presbyterian Church is considering erection of \$600,000 edifice at Broadway and W. 104th St.

NEW YORK.—Plans have been filed for the five-story brick fireproof automobile garage which Charles A. Miller will build on Sixty-eighth St. Cost, \$44,000. George H. Griebel, 2255 Broadway, Architect.

NEW YORK.—Contract for alterations, additions and repairs to building, No. 245 W. Forty-second St. Messrs. Lehman Bros., owners, has been awarded to Wm. Higginson, No. 1123 Broadway. Gillespie & Carrell, architects, No. 1123 Broadway; alterations will be made similar to those being made on premises No. 249 W. Forty-second St.

W. G. Langdon, 719 Fifth Ave., will erect six-story brick lofts and store on Fifth Ave., near Fifty-sixth St. Trowbridge & Livingston, 527 Fifth Ave., architects.

Winston Holding Co., 820 Broadway, will erect nine-story \$250,000 apartment house on Cathedral Parkway. Gronenberg & Leuchtag, 7 W. Twenty-second St., Architect.

Lexington Ave. Co., 129 E. Nineteenth St., will erect \$300,000 twelve-story brick apartment house on Lexington Ave. H. Lucas, 129 E. Nineteenth St., Architect.

Golde & Cohen, 198 Broadway, will erect two one-story stores and dwellings, cost \$16,000, on Washington Ave. C. B. Meyers, 1 Union Square West, Architect.

B. Kileh, 2211 Westchester Ave., will erect \$6,000 dwelling on St. Lawrence Ave. B. Ebeling, 1136 Walker Ave., Architect.

NEW YORK.—Josephine Perini, 1136 Walker Ave., will erect \$5,500 dwelling on Leland Ave. B. Ebeling, same address, architect.

V. La Porta, 586 Morris Ave., will erect three brick stores and dwelling. Cost \$35,000, on 150th St. L. C. Maurer, 1493 Broadway, architect.

Hannah McGrath, 1479 Crotona Ave., will erect \$5,000 brick store and amusement hall on Bathgate Ave. L. Howard, 1861 Carter Ave., architect.

OSWEGO.—Bids will be received by Department of Education until noon, Nov. 14, for erection of proposed Second Ward School.

ROCHESTER.—Associated Jewish Societies are considering erection of Home for the Aged on Joiner St. J. W. Allen, Chairman Building Committee.

SARANAC LAKE.—School district has decided to erect new school house.

SCHENECTADY.—County Commissioners will purchase site for erection of jail.

Architect C. G. Van Rensselaer has submitted plans for grade school which is to be erected in Baker Ave.

TROY.—Competitive plans will be received until 5 p. m., Dec. 1, for erection of jail, work house and quarters for Sheriff in Rensselaer County. R. H. Palmer, 519 Frear Bldg., Clerk Board of Commissioners.

YONKERS.—Building Committee of Elks is perfecting plans for proposed \$65,000 home to be erected on South Broadway.

OHIO

CINCINNATI.—Erection of \$1,000,000 auditorium is being considered. E. V. Wilbern, President Hotel Managers' Association, is interested.

CINCINNATI.—Sechler & Co. are considering erection of addition to factory on Culvert St.

CINCINNATI.—Hanselmann Blue Lodge Masons have purchased building on Clinton Ave. and will erect annex.

CINCINNATI.—The Harkness-Cowing Co. has leased the premises at 513-519 Eggleston Ave., and will expend \$60,000 in improvements.

COLUMBUS.—Architect J. A. Jones, Despatch Annex, is drawing plans for eight-room brick residence to be built on East Lane Ave., for Joseph Dury. Plans will be ready shortly.

Architects Stribling & Lum, 85 North High St., are drawing plans for store building to be erected at Hickory and Fourth Sts., for D. E. Putnam.

GIRARD.—Girard Mercantile Co. will erect brick block on Liberty St. S. K. Hine is interested.

GIRARD.—Trumbull County will vote on \$50,000 bonds to erect jail.

MAUMEE.—Work will soon begin on erection of combined city hall. Sidney E. Aftel, Ohio Bldg., Toledo, architect.

SHARON.—Erie Railroad will erect \$25,000 freight depot on Dock St. L. P. Baker, Youngstown, Division Engineer.

SPRINGFIELD.—Central M. E. Church has raised \$50,000 for erection of edifice.

STUEBENVILLE.—Council has passed ordinance for erection of market house over veto of Mayor T. W. Porter.

TOLEDO.—Trustees of German and English Martin Luther Evangelical Lutheran Church are considering erection of addition.

WILMINGTON.—Architects Howard & Merriam, Capitol Trust Bldg., Columbus, will take bids until Nov. 22 for erection of a semi-fireproof school building.

OKLAHOMA

EL RENO.—Plans and specifications have been drawn for over \$15,000 worth of new buildings at Cheyenne and Arapaho Agency.

ENID.—Plans have been prepared by Santa Fe Railroad for erection of \$30,000 passenger and freight depot.

OKLAHOMA CITY.—County Commissioners are considering erection of school in Packingtown. Geo. W. Carrico, chairman.

OREGON

COTTAGE GROVE.—R. H. Parsons, President of Commercial Club and J. D. Buell, Eugene, will erect two-story business block early in spring.

PORTLAND.—Thomas G. Garland will at once erect apartment house at Twentieth and Washington Sts. Williams & Rasmussen, Architects.

G. W. Priest will erect number of residences on Hancock and other streets in Rossmere.

PORTLAND.—Ignatz Lowengart will erect modern building on Fourteenth St.

PORTLAND.—Dr. Housman is having plans prepared for erection of \$35,000 apartment house on Hoyt St.

PORTLAND.—Multnomah Camp No. 77, Woodmen of the World is interested in proposed erection of State Home for the Aged.

PENNSYLVANIA

CARBONDALE.—Bids will be received until 3 p. m., Dec. 8, for erection of proposed postoffice. Jas. Knox Taylor, Washington, D. C., Supervising Architect, Treasury Department.

FORT WASHINGTON.—C. E. Schermerhorn and Watson K. Phillips, Associate Architects, 430 Walnut St., Philadelphia, have completed drawings and specifications for Twin house to be erected for George R. Wallace; local contractors will be invited by owners to submit bids.

HARRISBURG.—School Board is considering erection of two schools on Allison Hill.

MAHOGANY CITY.—Architects Ballinger & Perot, 1211 Arch St., Philadelphia, have prepared plans for erection of bank building for First National Bank.

MONESSEN.—For the purpose of making extensive additions and improvements to its local plant, plans for which are in the hands of architect, appropriation of \$5,000,000 has been authorized by Pittsburg Steel Co.



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NANTICOKE.—Council is considering erection of jail in rear of new city building.

PHILADELPHIA.—Kersker & Nicholson have completed plans for three-story stone residence at Lansdowne for W. R. Smith.

PHILADELPHIA.—Architects Maginzer & Potter, 137 South Fifth St., have completed plans for erection of proposed \$50,000 Hebrew Free School at 314 Catharine St.

PHILADELPHIA.—Locomobile Co. of America will erect five-story \$100,000 concrete garage at 2314 Market St.

PHILADELPHIA.—Young Women's Christian Association has invited competition from Architects Magaziner & Potter, 137 S. Fifth St.; Alexander Adams, 1012 Walnut St., and Paul A. Davis & Brother, 1600 Chestnut St., for drawing of plans for building for women to be erected at Hancock St. and Allegheny Ave.

Architect J. F. Bradley, Hale Bldg., has completed plans for seventy-five dwellings and three stores which Frank H. Benham will erect on Larchwood and Addison Sts.

Architects Snyder & Bassett are designing two three-story residences at Carpenter Station for Mrs. Mary Stewart.

PITTSBURG.—A \$40,000 brick building will be constructed on Fifth Ave., Homestead, from plans by F. C. Sauer, 804 Penn Ave. Building will be owned by the Naroda Slavenska Association of Homestead.

Thomas McCaffrey, Lawrenceville broker, will have four brick houses, costing \$10,000, erected on Bishop St., from plans made by A. K. Miller, Penn Bldg.

John Dewar, 435 Penn Ave., will have \$15,000 residence built at Starr and Lincoln Aves, Bellevue, from plans by J. L. Beatty, Sixth St. and Penn Ave.

John C. Bragdon will erect \$15,000 dwelling of bungalow design on Three Degree Road, Keown Station. Cost, \$15,000. S. F. Heckert, Stevenson Bldg., Architect.

PITTSBURG.—Pittsburg Tool Co., Robinson St., Northside, will erect large plant at Union and Braznell Sts., Braddock.

PITTSBURG.—Geo. H. Soffel Co. will erect five-story brick factory and office building on Forbes St.

PITTSBURG.—Immaculate Conception Church, Father Colligan, pastor, will erect church and school at Luzerne Ave. and Fremont St.

PLAINS.—Architects Ballinger & Perot, 1211 Arch St., Philadelphia, have completed plans for three-story parochial school for the Sacred Heart Church.

SCRANTON.—Plans for the West Scranton Italian Presbyterian Mission chapel to be erected on North Ninth Ave. are being prepared by Architects Snyder and Ward.

WILKES-BARRE.—School Board has accepted plans by Architect Owen McGlynn, Simon Long Bldg., for erection of school on Stark St., Firwood.

WILKES-BARRE.—Architect W. N. Smith, 20 W. Thirty-third St., New York City, has prepared plans for erection of \$40,000 residence in this city.

SOUTH CAROLINA

BENNETTSVILLE.—School Trustees have rejected all bids for erection of \$20,000 school. Sayre & Baldwin, Anderson, architects.

COLUMBIA.—Commission for State Hospital for Insane has purchased site for erection of proposed hospital. Dr. J. W. Babcock, Superintendent.

TENNESSEE

NASHVILLE.—C. K. Colley, architect, Chamber of Commerce Bldg., has drawn the plans for apartment building, to cost \$35,000, which Dr. O. H. Wilson will soon erect at Seventeenth Ave. and Hayes St.

TEXAS

ARANSAS PASS.—Commercial Club is interested in erection of three-story \$40,000 hotel.

CALVERT.—City hall has been destroyed by fire; loss \$50,000.

CORPUS CHRISTI.—Methodist Church is preparing to erect \$40,000 edifice.

DEL RIO.—College Heights Addition Co. has had plans prepared for erection of \$8,000 brick building on Greenwood St.

FORT WORTH.—Bids will be received until 4 p. m., Nov. 17 by Trustees of Texas Christian University for erection of three reinforced concrete and brick buildings. Waller & Field, architects.

HOUSTON.—Plans have been prepared for erection of eight-

story \$90,000 flat building at Main and Pease Sts. for E. C. Lamb and S. E. McAshan.

HOUSTON.—Krupp & Tuffly are considering erection of six-story building at Main and Prairie Sts.; idea of three-story building abandoned.

MARSHALL.—Bids will be received until 6 p. m. Nov. 19 for erection of brick and wood school. Waller & Field, Fort Worth and C. G. Lancaster, City, Associate Architects. S. E. Woods, Secretary School Board.

PLAINVIEW.—Work will soon begin on erection of \$10,000 city hall.

POST CITY.—First National Bank will erect two-story \$40,000 building.

SAN ANTONIO.—R. T. Pruitt will construct a cold storage plant, cost about \$25,000, and a warehouse, cost \$16,000 at Medina and San Luis Sts.

UTAH

BRIGHAM CITY.—Ogden Rapid Transit Co. will erect car barn; also houses for employees of road.

SALT LAKE CITY.—Plans by Ware and Treganza, Utah Savings Bank, have been accepted for erection of \$25,000 building on East South Temple St., for Ladies' Literary Club.

SALT LAKE CITY.—Bids will be received until 10 a. m., Nov. 21, for erection of infirmary-hospital building for Salt Lake county. J. A. Headlund, 523 Dooly Bldg., architect. M. Z. Witcher, County Clerk.

WASHINGTON

BALLARD.—Architect J. B. Jonson, has completed drawings for two-story \$7,000 frame store and flat building to be erected in business section.

EVERETT.—Moose Lodge has ordered plans prepared for erection of home.

REPUBLIC.—J. E. Gantenbein is considering erection of number of buildings.

SOUTH BEND.—New bids on revised plans will be received for erection of proposed home for South Bend Chamber of Commerce.

SPOKANE.—D. W. Twohy, F. T. Post, Phil Barr and F. McCollough, all of Spokane Country Club, will erect residences next spring.

Chamber of Commerce is considering erection of \$350,000 home on Riverside Ave.

SPOKANE.—George H. Day will erect \$12,000 residence in near future at Highland and Rockwood Boulevards.

Dr. G. W. Roberts is planning to erect \$20,000 brick business building on Riverside Ave.

Three-story brick building, cost about \$35,000, is soon to be built by L. R. Schaeffers on Third Ave.

SPOKANE.—John Meffler will erect \$15,000 residence in Riverton addition next spring.

TACOMA.—Plans have been completed for erection of \$60,000 temple for Tacoma Labor Unions.

WEST VIRGINIA

MARTINSBURG.—Architects Harding & Upman, 729 Fifteenth St., N. W., are preparing plans for erection of residences for Stuart Walker and Frank J. Trammell.

WHEELING.—George and Charles Craft will erect summer resort at Point Mills.

WISCONSIN

BELOIT.—Wisconsin Telephone Co. has purchased site on East Grand Ave. for erection of building.

EAU CLAIRE.—Company E, National Guard, is planning to erect armory.

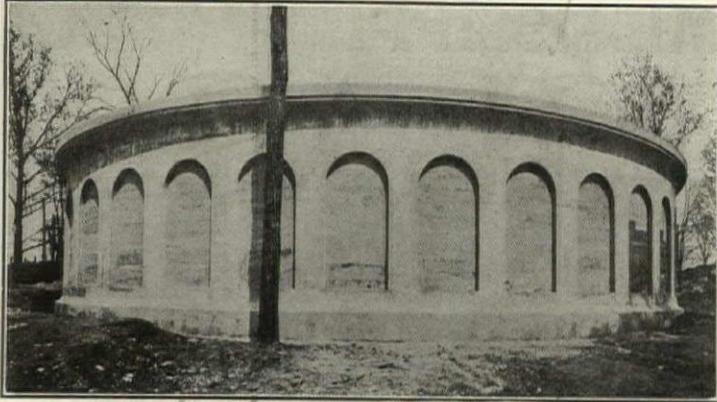
JANESVILLE.—Janesville Traction Co. will erect car barns at cost of \$10,000.

MILWAUKEE.—Atlas Amusement Co. will erect two theaters, to cost about \$35,000 each. T. H. Cochrane, Portage, and Aitkens & Crawford, St. Louis, compose company.

MILWAUKEE.—The Chicago, Milwaukee & St. Paul road will soon prepare for building \$2,000,000 new railway station.

WAUSAU.—Wisconsin Union of the American Society of Equity has appointed committee to investigate advisability of establishing \$250,000 state packing plant to be run on a co-operative plan.

WAUSAU.—Architect Anton Dohmen, Metropolitan Block, Milwaukee, has prepared plans for church building for St. James Catholic congregation.



600,000 Gallon Reservoir at Cos Cob Power Plant, N.Y., N.H. & H.R.R.
Westinghouse, Church, Kerr & Co., Engineers.

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Figure No. 60



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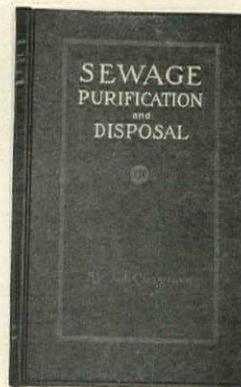
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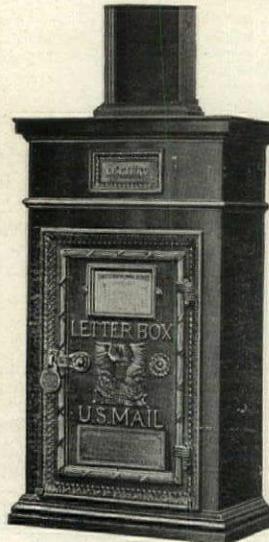
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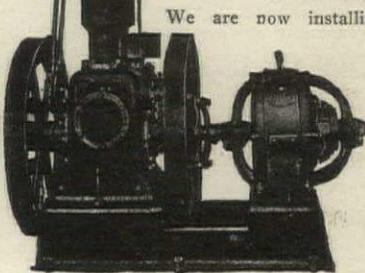
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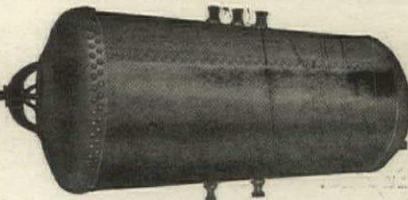
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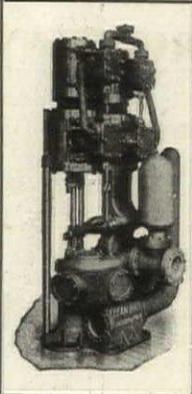
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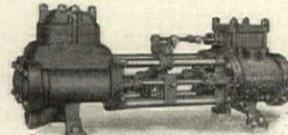
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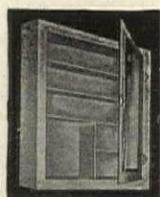
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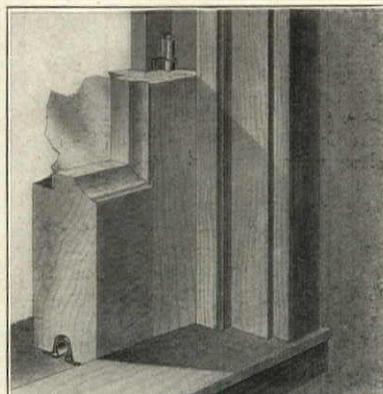
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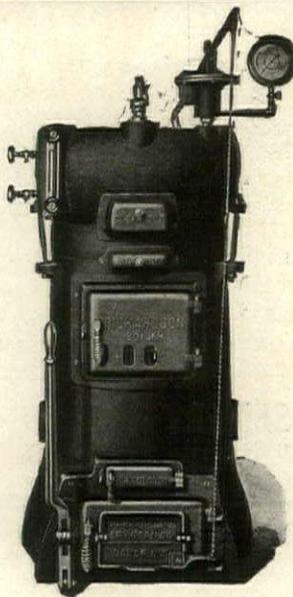


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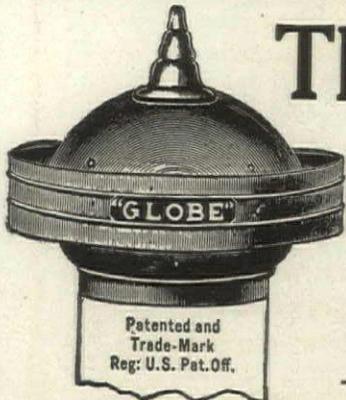
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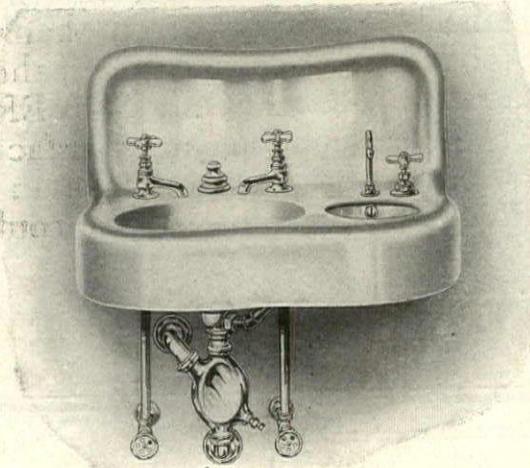


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DIMENSIONS		LIST	
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Lavatory bowl 12 in. x 14 in.		If trap is not wanted, deduct	5.00
Dental bowl 7 1/2 in.			

NOTE: With the exception of the trap all the above fittings are made especially for this lavatory and must be furnished. This fixture is fitted up, water turned on and all fittings are carefully tested before shipment.

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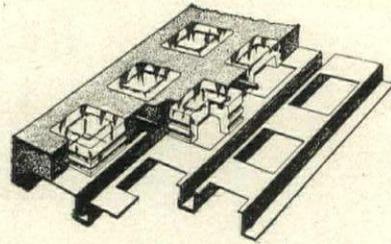
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WORKS: WILMINGTON, DEL.

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(We are in Sweet's Index)



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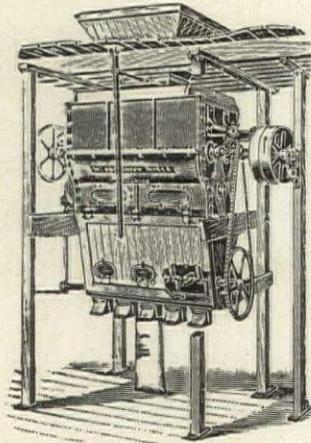
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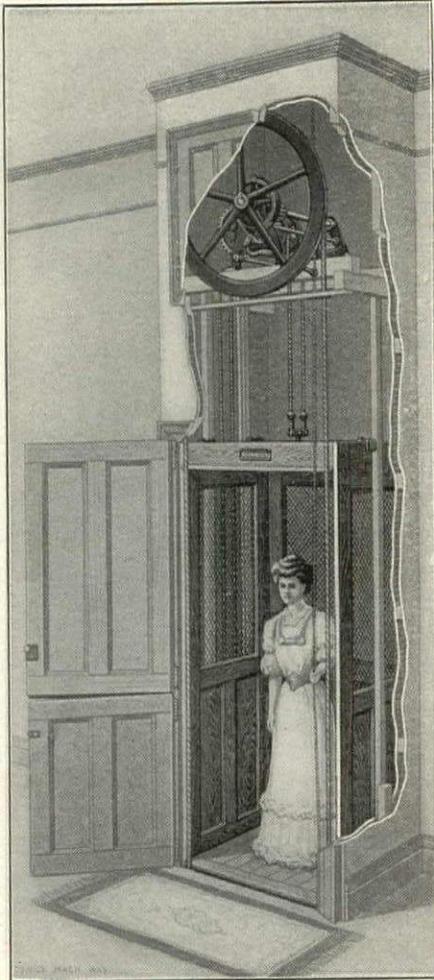
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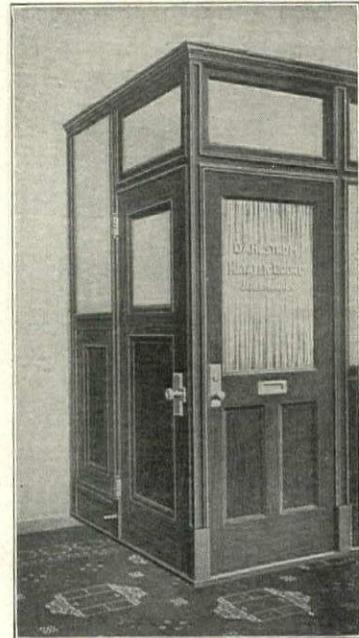
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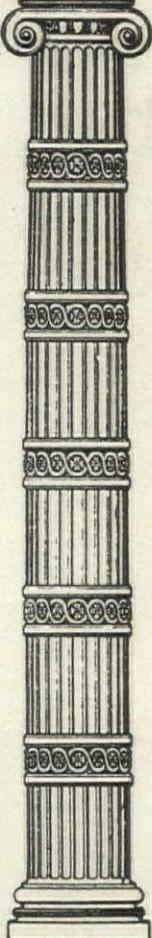
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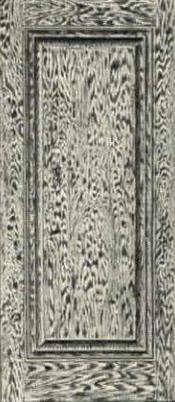
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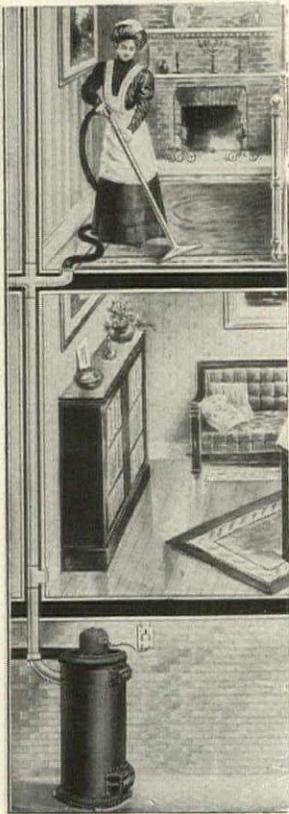
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Your clients will thank you for specifying the **TUEC** STATIONARY Air Cleaning System



TUEC-170
installed in a residence

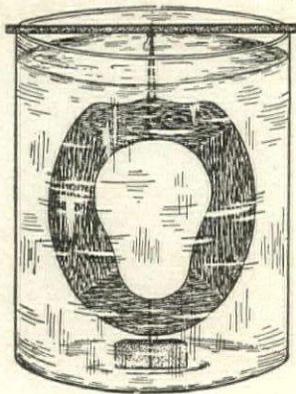
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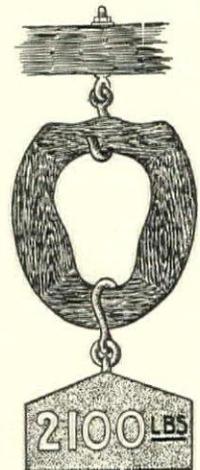


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The illustrations herewith show what extreme strains to which we have repeatedly subjected

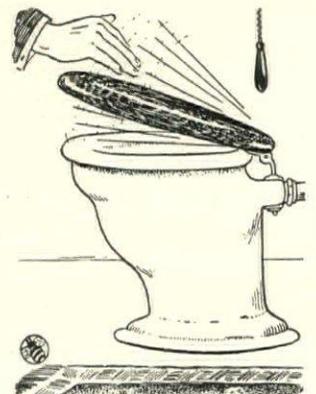


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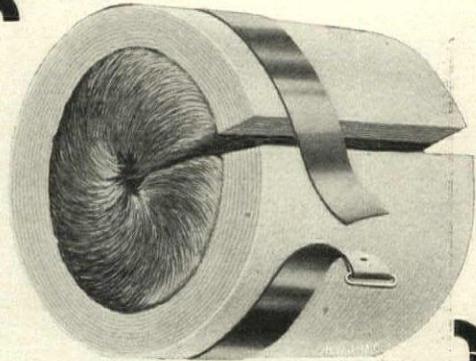
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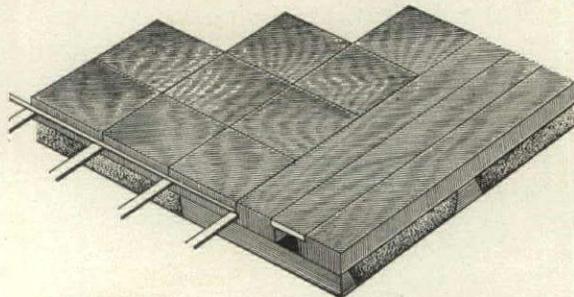
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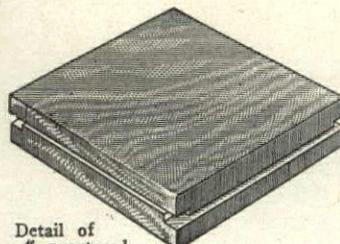
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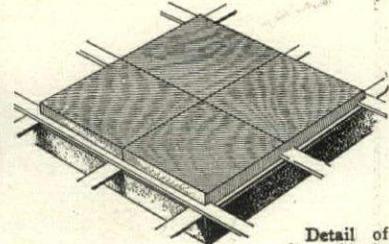
No big beams are inserted in the concrete. No sticking of blocks to concrete and tearing loose with change of season. The floor lies solidly of its own weight. In case of swelling, owing to dampness, or even flooding with water, the floor swells as a whole and takes up the compression space in the border. If the floor shrinks again after such an accident the blocks shrink individually and the shrinkage is divided up so many times that no cracks are seen. In extreme cases the entire floor can be keyed up from the compression spaces.



Showing two border and wall strips with bridge over compression space and short dovetailed pieces of wood to which border strips are lightly nailed.



Detail of 4" quartered white oak block.



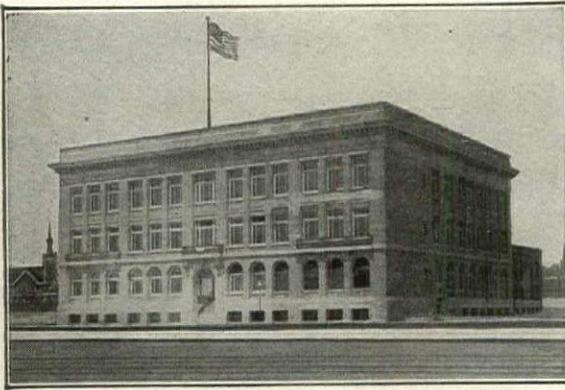
Detail of four blocks showing steel weave.

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PLATE 393

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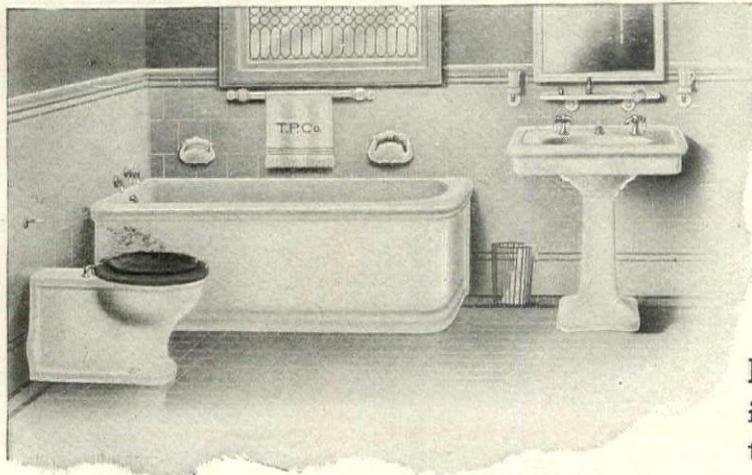
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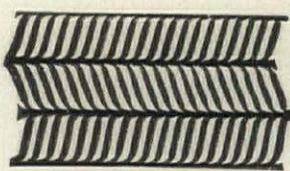
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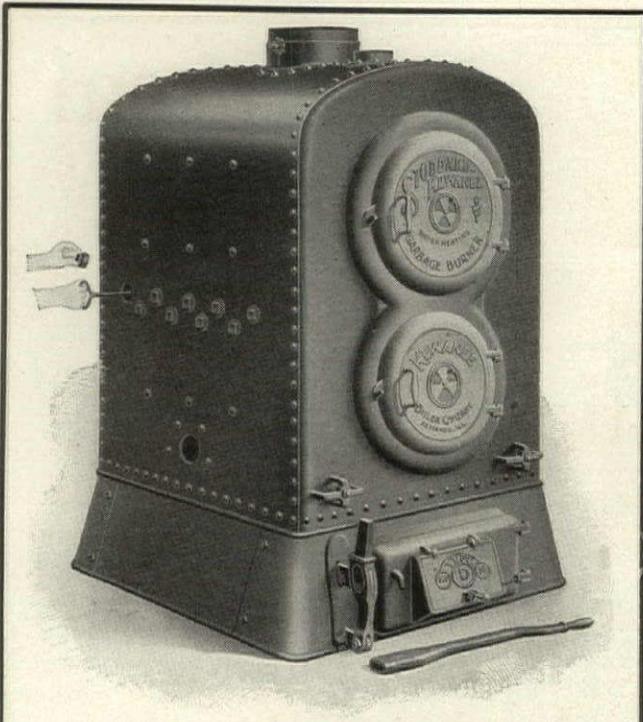
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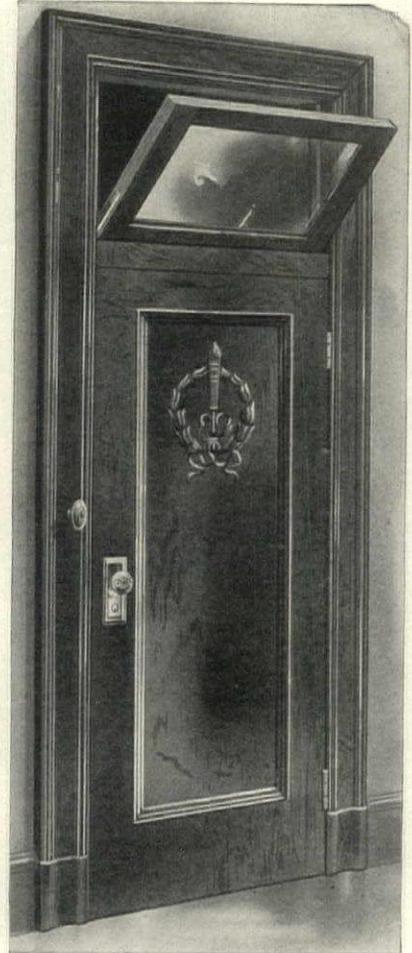
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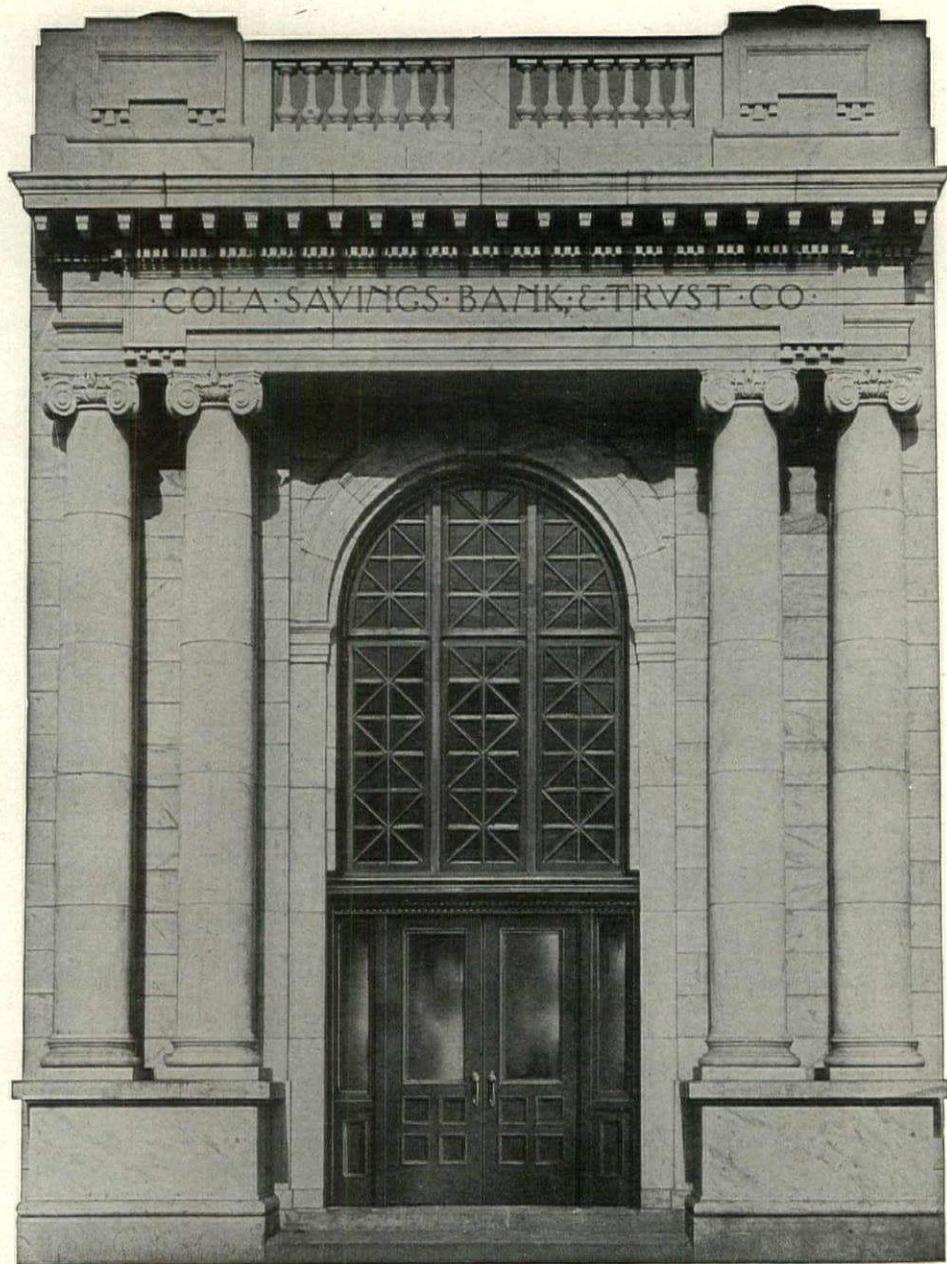
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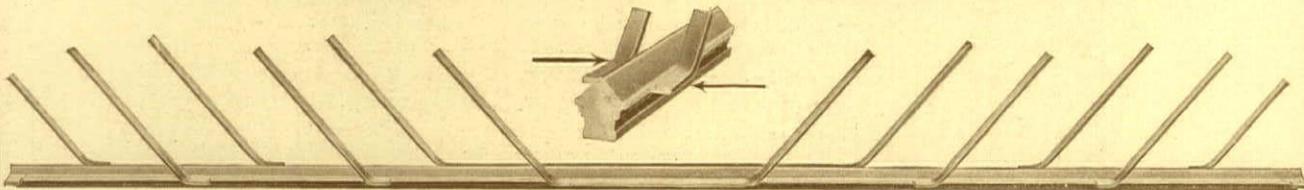
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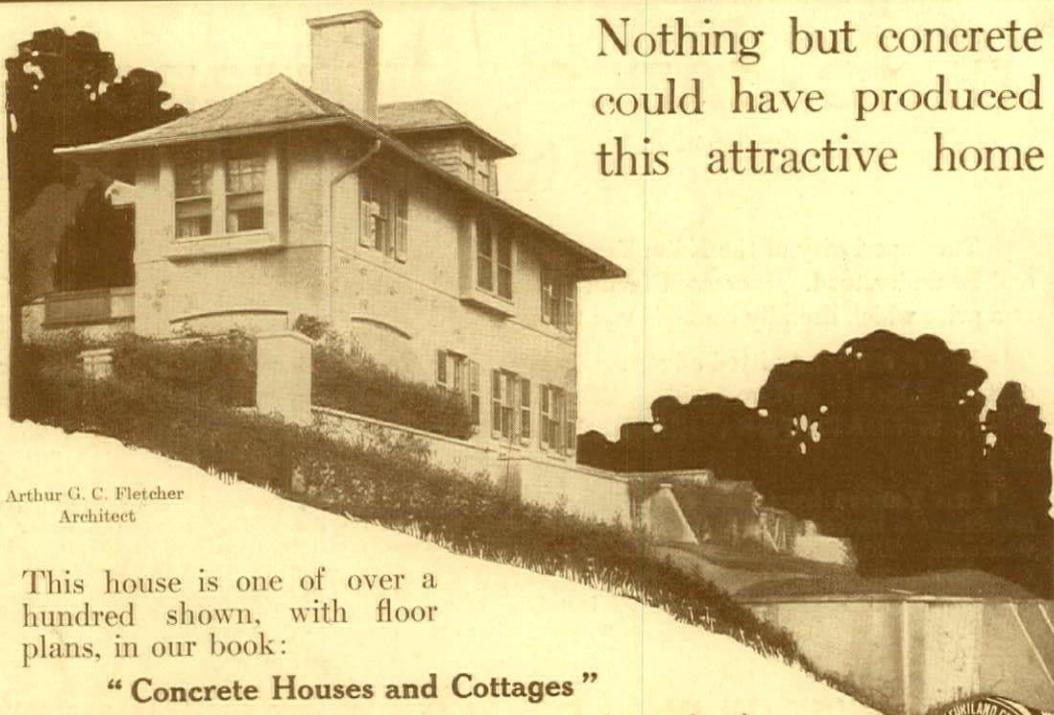
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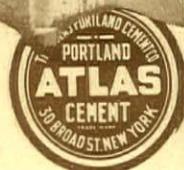
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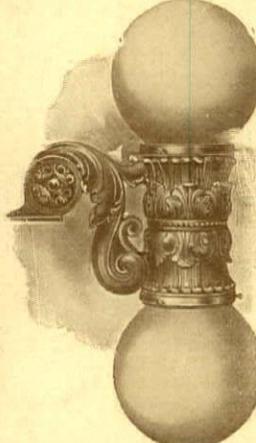
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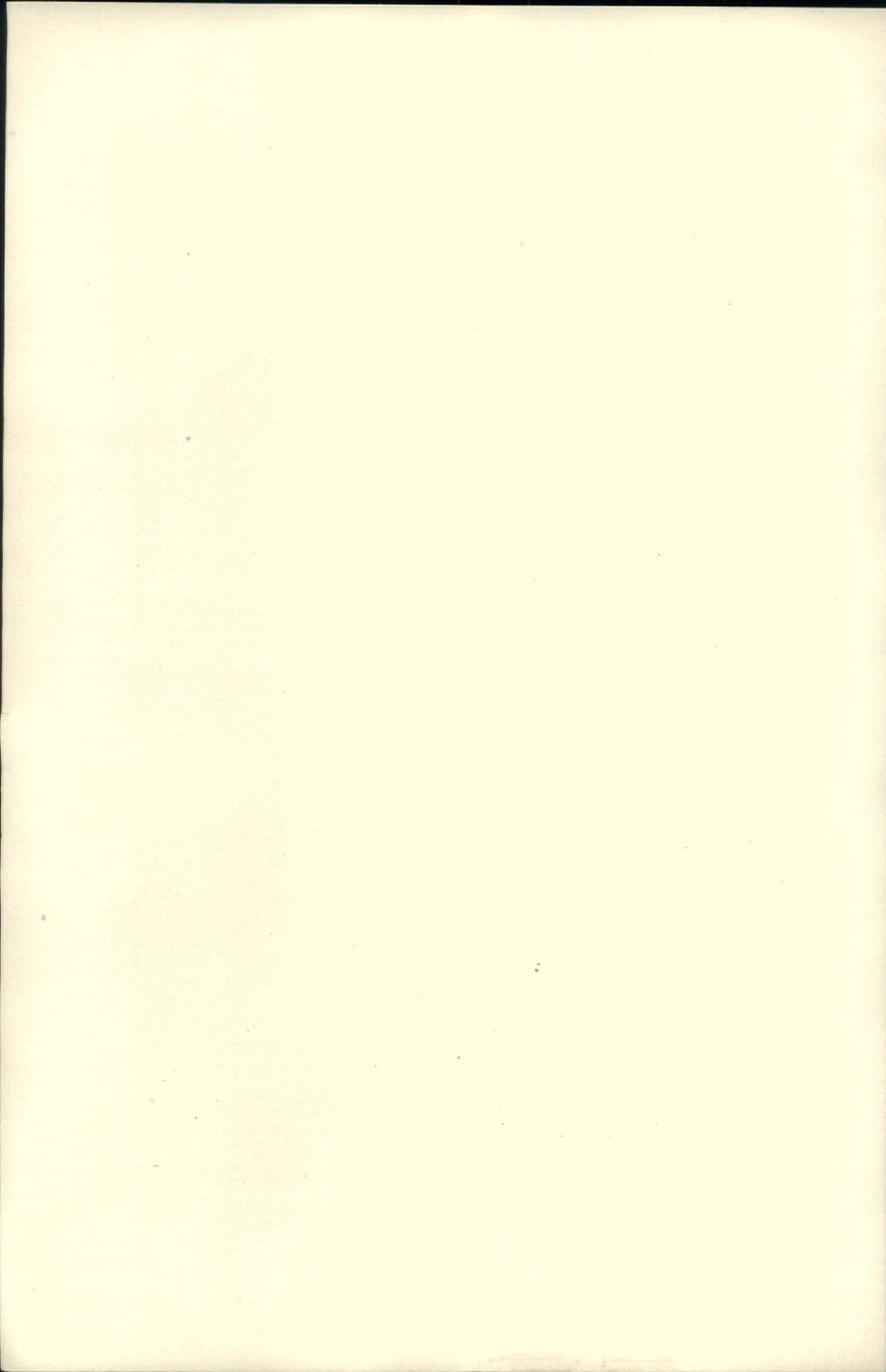
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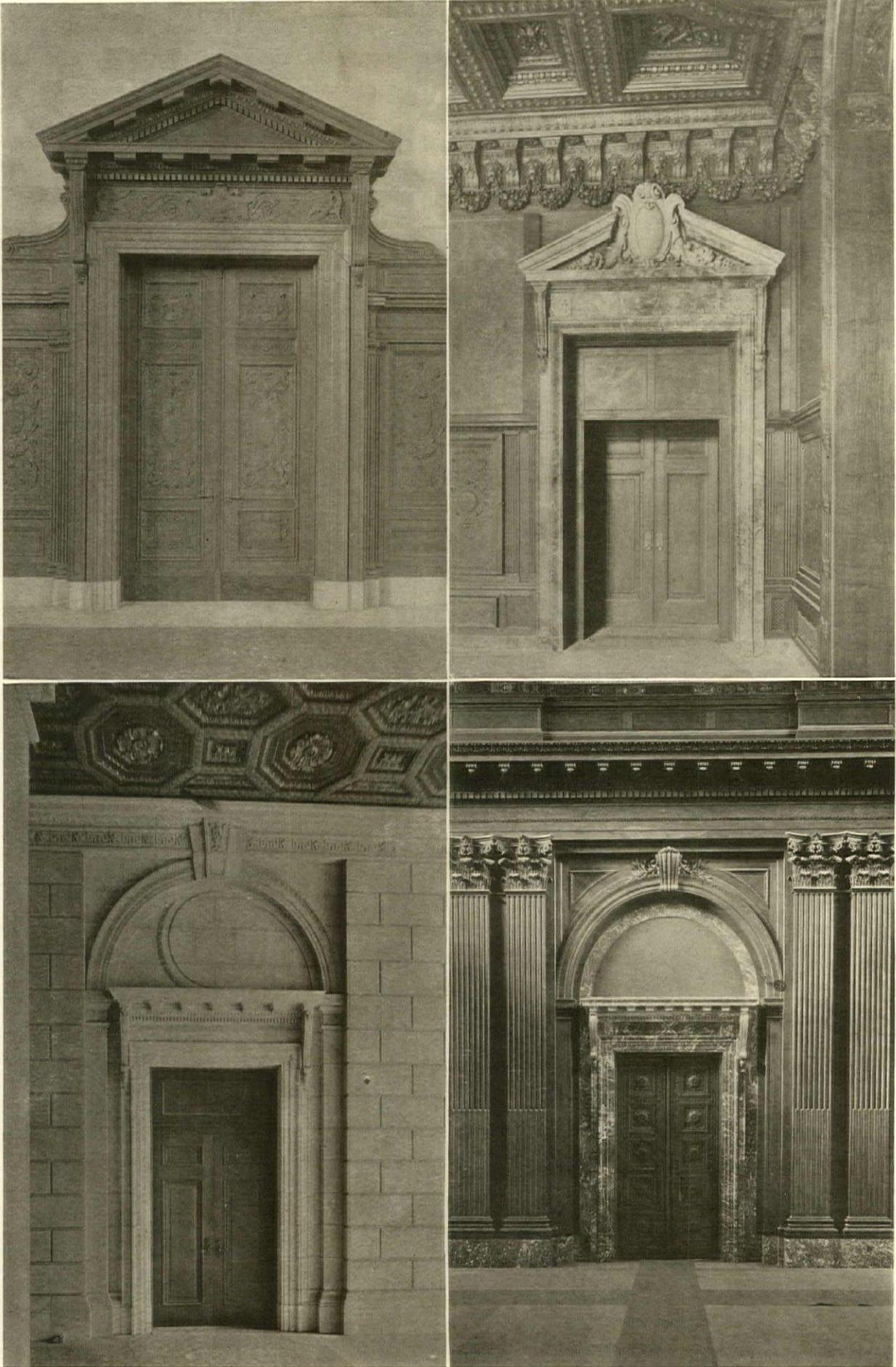
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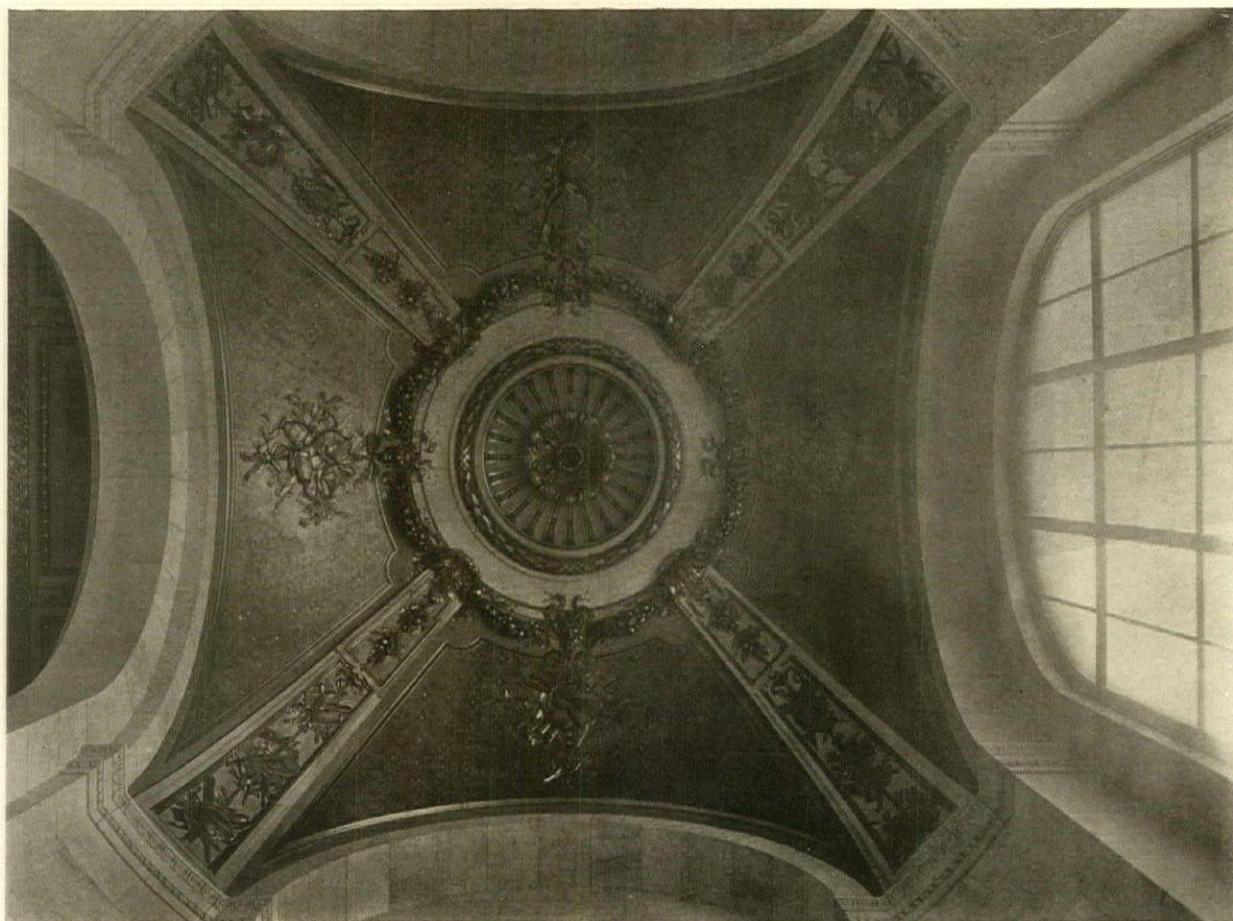
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DETAIL OF CEILING, MAIN READING ROOM

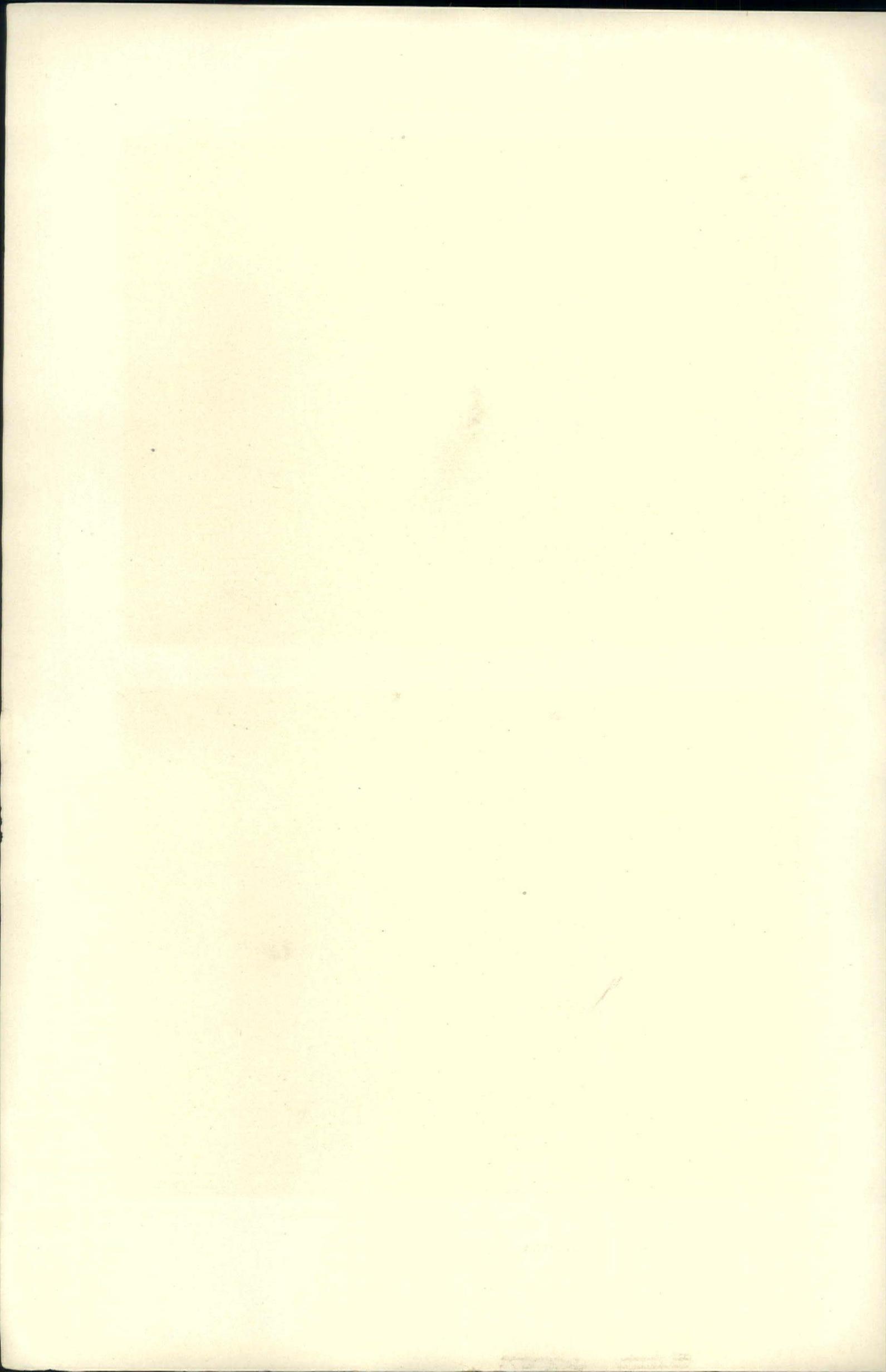


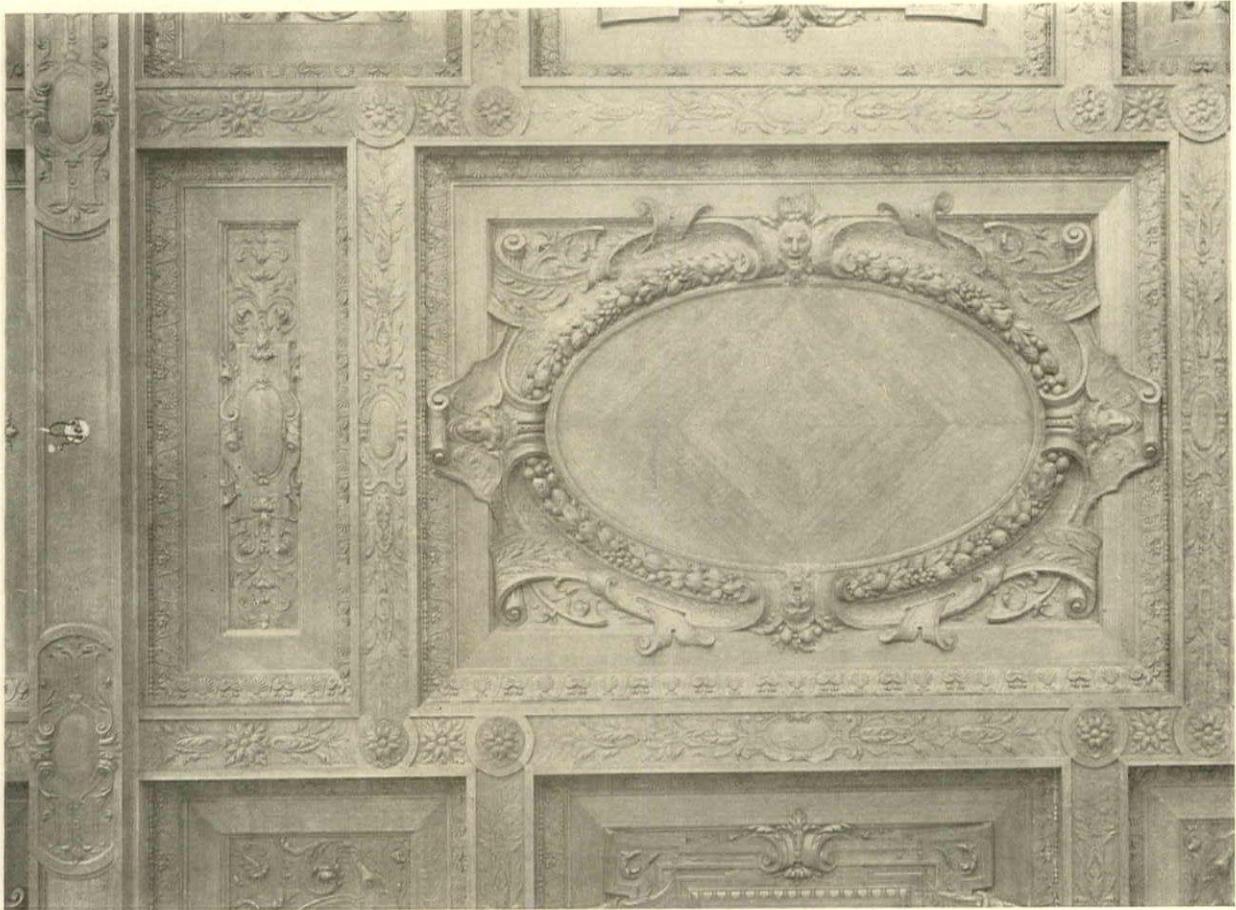
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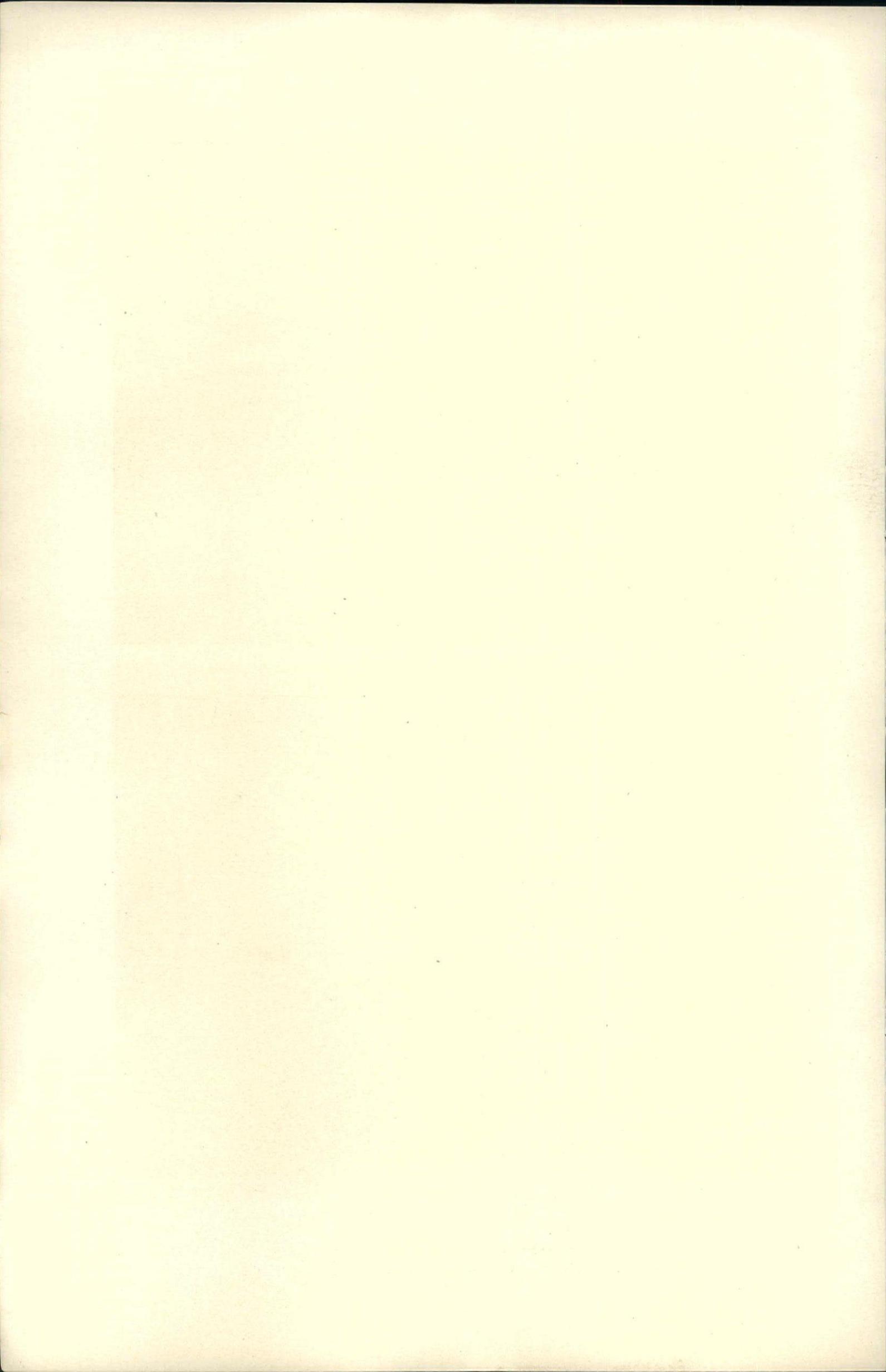
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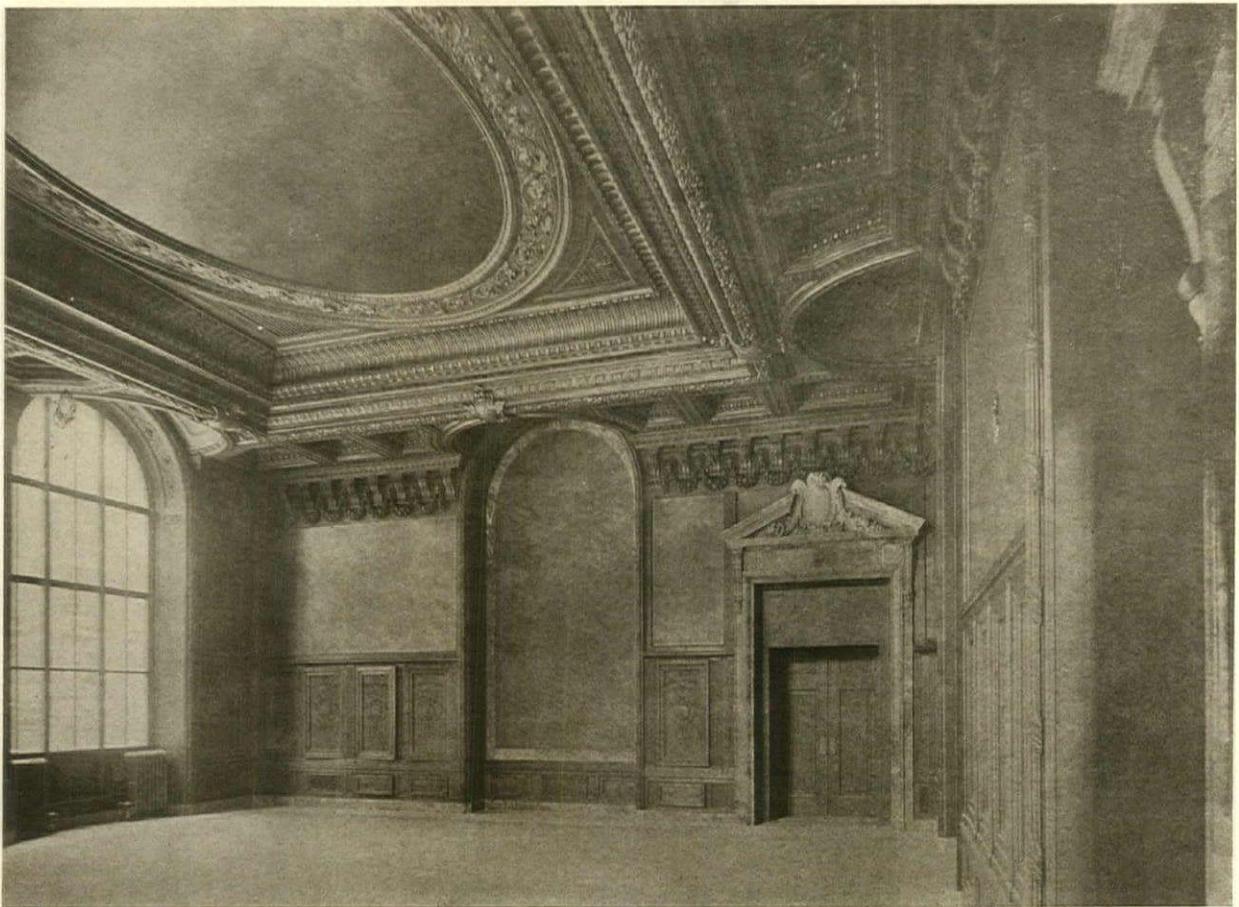
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EXHIBITION ROOM



DIRECTOR'S ROOM

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VIEW OF CORNER IN EXHIBITION ROOM

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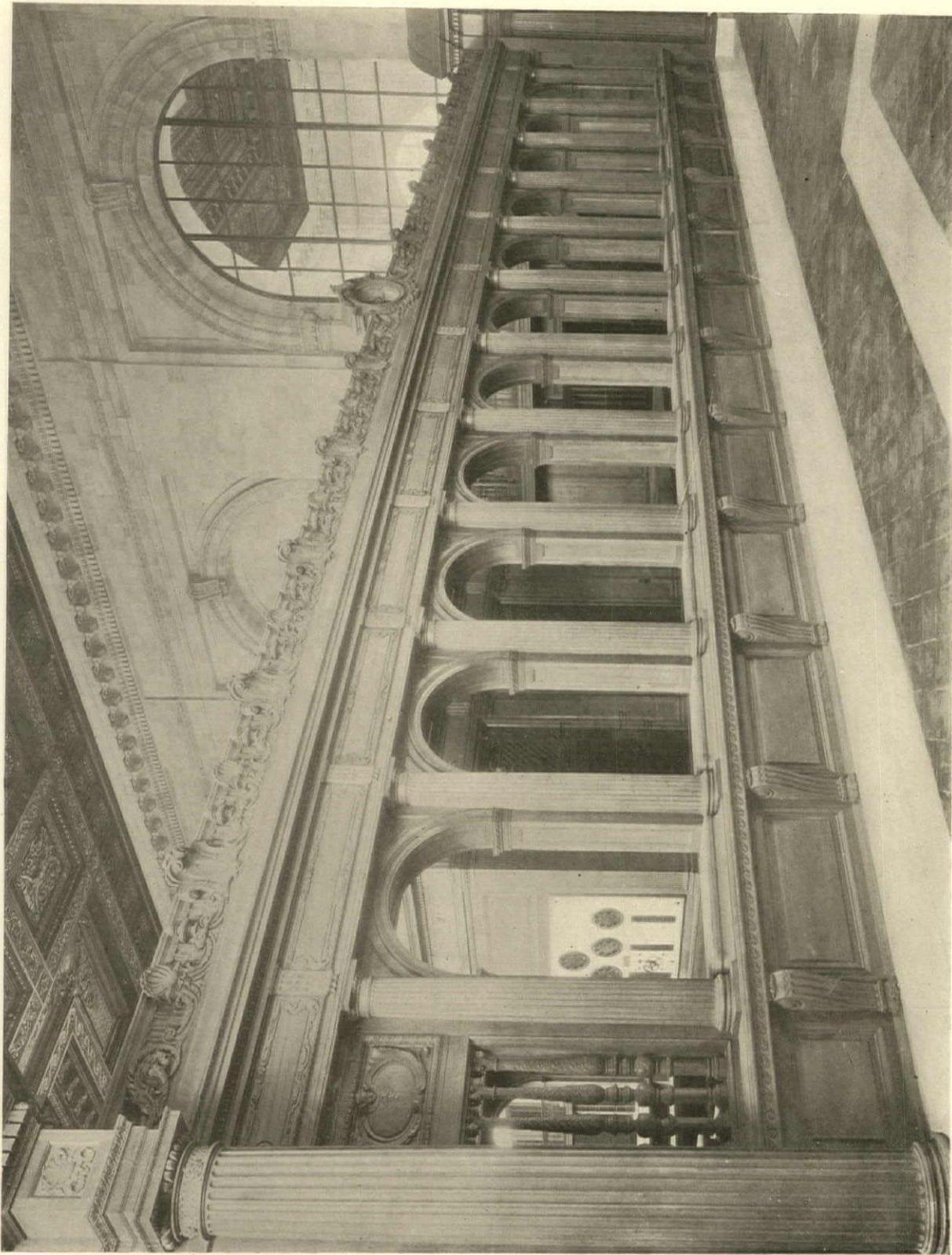
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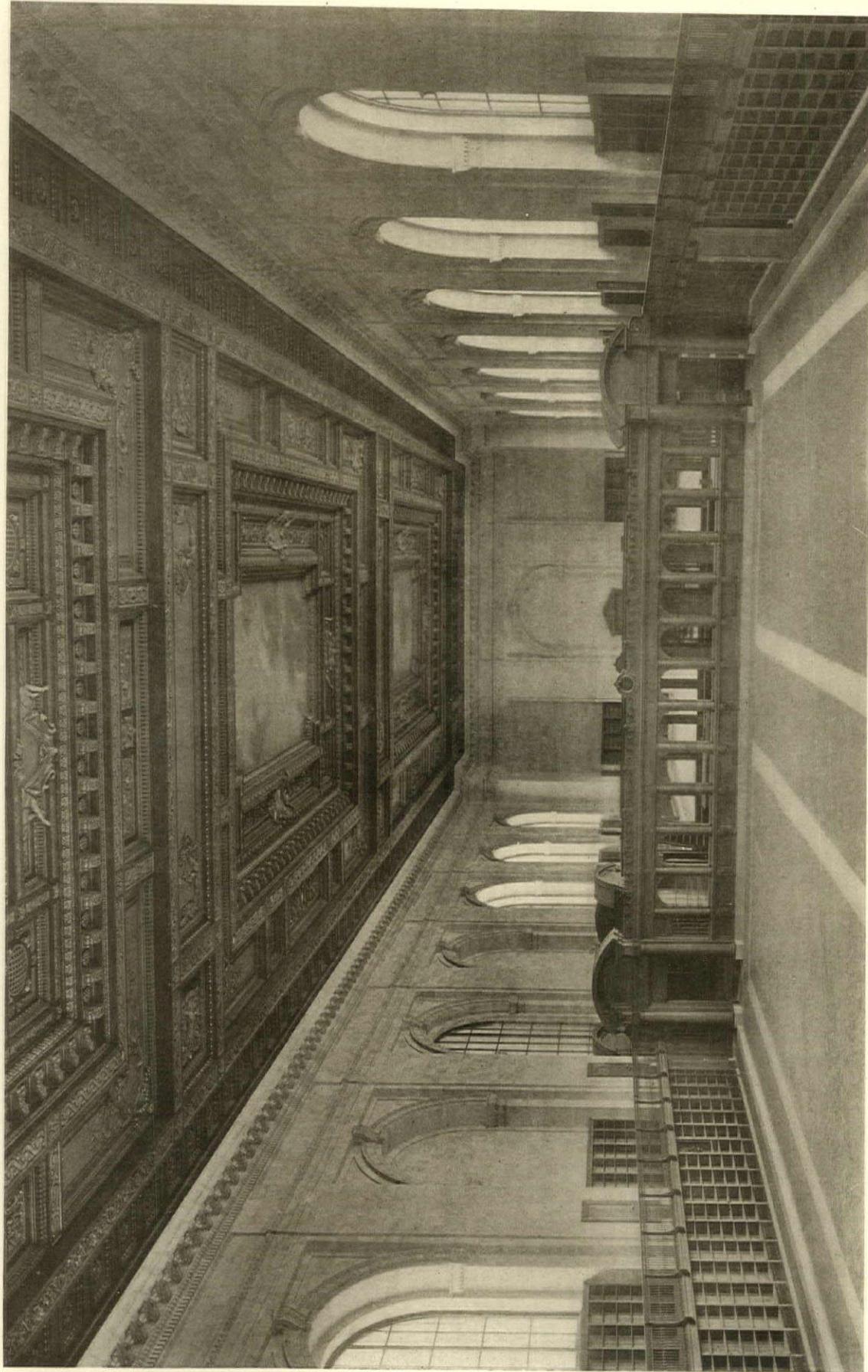
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DELIVERY DESK SCREEN, MAIN READING ROOM

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MAIN READING ROOM, LOOKING SOUTH

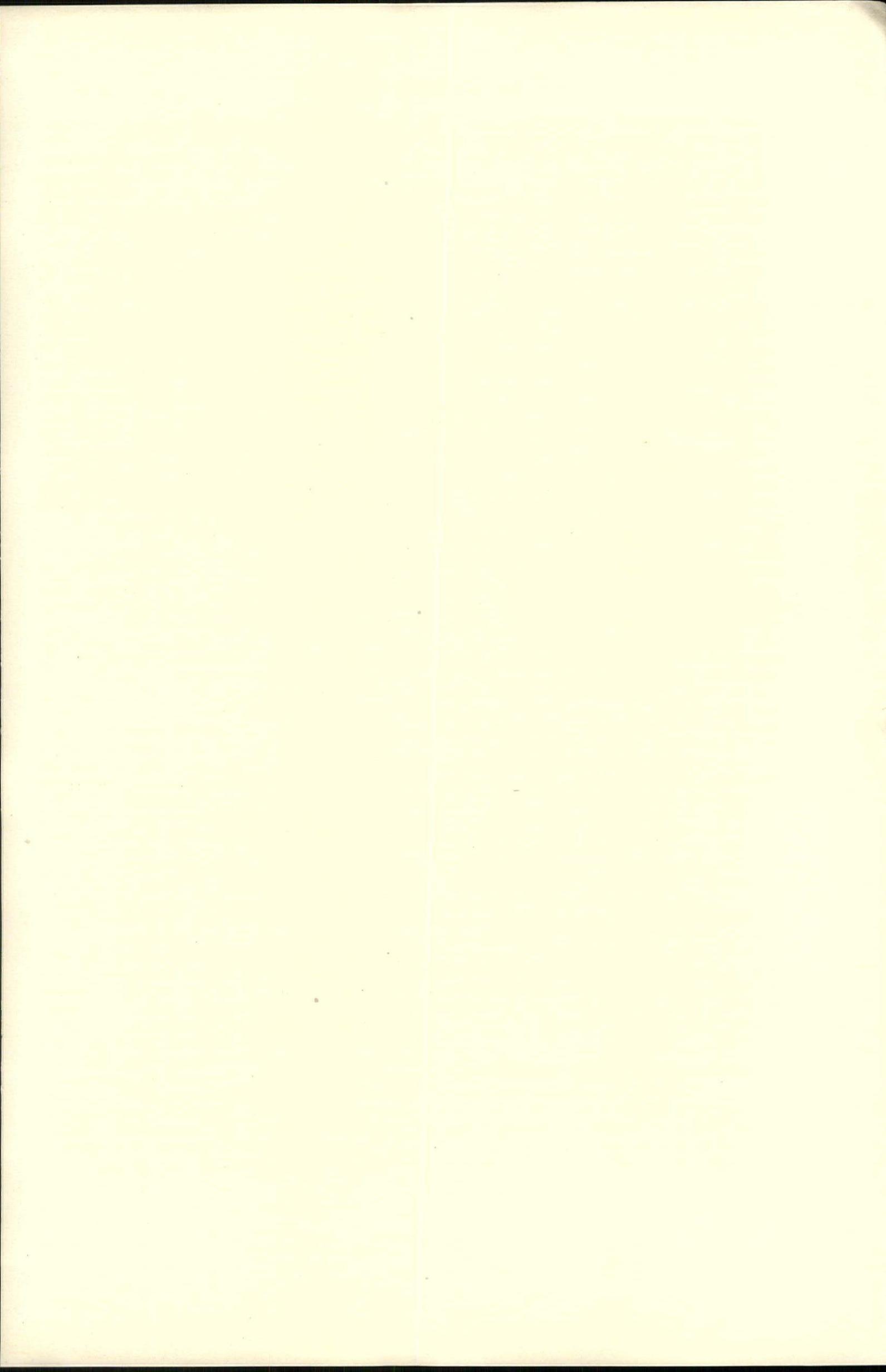
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BARREL-VAULTED CEILING OF UPPER VESTIBULE, VIEW FROM GALLERY
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THE AMERICAN ARCHITECT



COLOGNE, GERMANY

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No. 1820



LOOKING ACROSS MAIN ENTRANCE LOBBY

INTERIOR DECORATION OF THE NEW YORK PUBLIC LIBRARY

CARRÈRE & HASTINGS, ARCHITECTS

IT is rare to find in current architectural practice a well-balanced adjustment between excellences of plan and of external composition or between exterior decorative composition and interior decoration. One of these sides of the problem of design is generally recognizable as an architect's forte and that department in which it is possible to find the fewest examples of conspicuous excellence in American architecture is unquestionably that of interior decoration. There are several reasons for our backwardness in this art. Interior decoration, perhaps more than any department of architectural art, depends for its encouragement and perpetuation upon a multitude of excellent examples. We have not, as yet, in this country, a great many conspicuously good examples to serve as the needed source of inspiration, and the

profession, as a whole, has not given that degree of attention to decoration from which a speedy awakening may be expected in the near future. The average American architect is not and does not pretend to be especially well prepared to design interior decoration, and he has tacitly admitted that fact by practically abandoning the field to the dealers in furniture and fabrics who have not been slow to seize the opportunity of building upon a very extensive system, employing their own designers and operating in the great majority of cases entirely independent of the architect, importing as a background for their business relics and furnishings to be had in the market of the old world and, in many cases, incorporating these either bodily in their decorative schemes—a mantel here, some old furniture or wainscot there—or else imitating the old work as nearly as their skill and

means permit. This system has, of course, produced some worthy results, but only in those cases where the designers are zealous artists and have not permitted their desire to sell quantity to get the better of higher esthetic motives. In most cases, however, the effect has been to seriously handicap the development of any serious efforts at interior decoration in this country and even, in some isolated cases, so completely to overshadow the functions of the architect as effectually to eliminate him as a factor in the building operation. The matter of interior decoration, therefore, remains one of the undigested issues of architectural activity, and until there is a more general understanding of the subject the great majority of owners will continue to be entirely content with the kind of interior decoration work afforded by present methods outside of the architects' supervision. It is worthy of note, therefore, when a firm of American architects produces an important work of interior decoration and demonstrates in that work that the more imaginative problems of interior decoration are as much in its grasp as are the technical ones of planning and construction. It will, therefore, be a valuable lesson in decorative art to the hundreds of thousands of people who will annually pass through the splendidly equipped apartments of New York's great new library in Fifth Avenue to have constantly before them surroundings in harmony with their serious purposes in seeking the educational benefits of the institution.

During the past few years it has repeatedly been remarked that Messrs. Carrère & Hastings are a conspicuous example of the result of perfection in one particular sub-style of what is commonly called Renaissance architecture, their chosen period being the eighteenth century in France. No single work of this firm, perhaps, crystallizes as does the New York Public Library their conclusions as to the adaptation and development of this particular style to current conditions in America. While it has not always been possible, per-

haps, to give their conclusions unqualified praise, to the student of his profession it must be apparent that work of the character done by this firm has a definite artistic goal and proceeds by more or less definite methods to an elevation of the general professional standard. It is so common a sensation in the present-day buildings to feel after entering that one is not amid the interior surroundings suggested by their general external aspect. In the New York Library one has no such feeling; the architecture seems all to have emanated from a common origin; its various parts are in thorough accord. So much, at least, has the consistent pursuit of one sub-style yielded for the general impression of unity in a

modern structure, combining the utilities of a great circulating and reference library with monumentality of planning and composition. It must be apparent to the architect making an inspection of so huge a building as the library how great are the demands on the designers not only for a large conception of his task as a whole but for the greatest resourcefulness in the variation of his detail. And when the designer is, admittedly, working on the variations of a single phase of the Renaissance styles how much more exacting are the demands upon his ingenuity! In such a case the architect must confine himself closely to the logical pursuit of his chosen goal,

and that is precisely what the architects of the library have done with signal success.

While the opportunities for decorative treatment in the library were numerous the practical difficulties to be overcome to achieve harmonious effects were ever present and imposing their presence upon the designer's attention. A number of the large rooms disposed around the outside of the plan where the light is especially good are devoted to the purpose of special reference and research work for students, who are thus enabled to work undisturbed and in close touch with the books they desire to consult. To accommodate these volumes the less brilliantly lighted portions of the rooms are equipped with book stacks which, while highly use-



DETAIL OF SCREEN IN MAIN READING ROOM



DETAIL OF TRUSTEES' ROOM

ful intrude themselves into the decorative scheme and produce a discord which the designer cannot hope to escape. The best he can do is to disregard the intrusion and accept the handicap as one of the inherent disadvantages of his problem.

In one case the judgment of the architects in a matter of interior arrangement has been especially vindicated. It has been remarked by some architects who have been closely interested in the architecture of the New York Public Library that the elevation of the rear, facing Bryant Park, while one of the most interesting views of the exterior design, so reduces the light in the large stack room as to make necessary the constant use of artificial light for convenient access to the stacks. This proves, on inspection, not to be the fact, and while the stack floors presented no opportunities for decorative endeavor, their convenient arrangement and lighting was a very important problem and has been solved in a highly satisfactory manner. It had also been remarked when the designs for the library were first made public that the placing of the main reading room would prove a great inconvenience. Now that the design stands executed that objection also seems to disappear, and it has been remarked by visitors to the building that they would not at all object to walking up gradually the ample and attractive monumental marble staircase or lingering in the rotunda to inspect the rare volumes and manuscript that are to be exhibited there, before reaching the working parts

of the library, the public catalogue and the delivery desk which divides the great reading chamber across its length. It is a question not easy to decide whether this feature does not by its intrusion disturb the dignity of so monumental a room. It certainly prevents the spectator from seeing the whole room from any point of the floor. Practically it is the distributing point, on the conveyer system for books called for by means of a pneumatic tube service from various parts of the building. The ingenious way in which this key to the entire working library has been treated as a decorative screen in character with the colossal wall and ceiling treatment of the apartment, giving scale to the whole, is an example of the resourcefulness of the architects. Any isolated treatment of this feature would only have called attention to an unfortunate practical condition of the problem and would have been an acknowledgment by the architects of their inability to handle it satisfactorily from an architectural standpoint. Moreover, the location of the delivery desk across the middle of the room places it in the only position from which the library attendants are able conveniently to serve and oversee every part of the room. The galleries around its perimeter serve also as vantage points for the library attendants, while the space under the overhang is utilized to accommodate many thousands of reference volumes of a general character in constant demand by readers who come in to peruse a favorite author for an hour or two.

The effective concealment of the radiation and ventilation of this room is to be remarked, the heating being accomplished indirectly by hidden radiators and the ventilation by a fan system, forcing in fresh air at the junction of walls and ceiling and drawing out the foul air



DETAIL OF UPPER VESTIBULE

at the floor through registers designed as a continuous base to the book shelves under the galleries. The general illumination will be by chandeliers suspended from the decorative ceiling beams and light for reading will be obtained from lamps placed on the individual reading tables. By day the cross light admitted through the great arched openings on the long sides furnishes the best kind of natural illumination for reading.

Next to the main reading room the most important apartments of the library architecturally are the two great vestibules occupying the central feature of the Fifth Avenue mass. The lower one on the first floor level presents an interesting treatment, in white marble, of engaged columns and arches carrying a coffered ceiling with penetrations, of the same material which is also carried, in barrel vaults, up the staircases on either side. The problems in stereotomy that have been solved in this apartment excite curiosity and admiration for the consistency of the decorative scheme and the designers' skill in avoiding disagreeable distortions.

The upper vestibule at the head of the marble staircases presented an entirely different problem which found its solution in different architectural expedients and in other materials. In the first place the light here comes through semicircular windows at the ends, implying a barrel-vaulted ceiling, which, running through uninterruptedly from end to end, is subdivided by shallow ribs and beams and

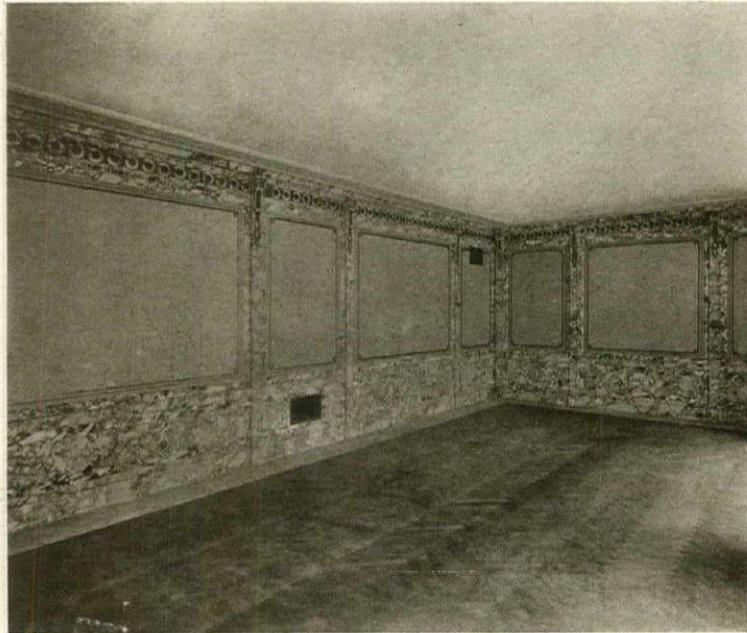
coffered, being rendered in plastic covered with animated ornament in rich, deep tones. The walls, on the other hand, repeat around the four sides, the arched staircase openings at either end with vigorous coupled Corinthian pilasters supporting an entablature in which special emphasis is laid on the cornice. This order is executed in hand-carved wood, the blank arches and lunettes being filled in with plaster fields, later to receive mural decorations, and are bordered with richly veined marble. The staircase ceiling at either end supports a balcony reached from the floor of this vestibule by a spiral staircase concealed in the central pier.

It is only by a close inspection of the architectural devices suggested by the designers' careful consideration of every phase of the ever-varying decorative problems that the amount of study of detail required can be realized. These two rooms have been selected as typical examples to illustrate the point. The same at-

tention has been consistently bestowed upon the entire decorative scheme.

Regarding the illustrations herewith attention should be called, also, to the fact, perfectly familiar to architects, that while, in general, photographs of buildings are untrustworthy they are especially so of interiors. It is an optical phenomenon recognized by architectural designers that the ceiling of a room always appears to the eye smaller than the floor and that, therefore, anything depicted or modeled upon the ceiling must be designed larger and coarser than if it were upon the walls or floor. This exaggeration of scale, which is duly corrected by the eye, is, however, faithfully reproduced by the camera and the resulting picture is correspondingly misleading. In rooms of great size the photographic exaggeration is minimized and the picture more nearly approximates what the eye sees. Conversely, in smaller rooms, especially when the ceiling height is low in proportion to the other two principal

dimensions of the apartment and relief decoration is employed, the exaggeration is at a maximum. Therefore, except in those rooms where the conditions are favorable to the camera, as in the entrance vestibule and rotunda and in the great reading room, the illustrations are not to be accepted as entirely just reproductions of the decorative scheme as regards the scale of the members. Where conditions are especially unfavorable a truer approximation of the



A CORNER OF THE RECEPTION ROOM

actual decorative effect of an apartment may sometimes be had by pointing the lens directly at the ceiling. Examples of such views are shown, and the one showing an octagonal vestibule ceiling illustrates the point.

It is, of course, out of the question to reproduce color values in photographs, but it may be remarked in some of the illustrations that the ceiling, as a whole, has received a vigorous chromatic treatment and it has been remarked by some who have seen the decorations that these features have the appearance of being unduly heavy in tone by comparison with the architectural treatment of the walls. Such an opinion might be expected, particularly in the case of the main reading room, but, as mentioned above, the apartment lacks its fixtures, its furniture and its thousands of gaily colored volumes on the walls. The same allowance is to be made in the other rooms where such an effect is now suggested. Doubtless, the architects had clearly in mind their color

(Concluded on page 158)

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AN EXECUTIVE ORDER

IT is with the greatest satisfaction we learn that President Taft has taken the final step for making effective the work of the Commission of Fine Arts in the District of Columbia by issuing an executive order that all plans for public buildings in the District shall be submitted to the Commission before final approval. This action by the President safeguards the development of the National Capital and ensures its beautification.

TO WELCOME COMING GUESTS.

THE approaching convention of the Institute at San Francisco will give those Fellows and Associates who have not yet had the pleasure of visiting the Pacific Coast an excellent opportunity to remedy that omission. A committee on the reception and entertainment of visiting members has been appointed by the local chapter and, under the chairmanship of Mr. Jas. W. Reid, is making active preparations to carry out the task assigned to it. The well-known attractions of San Francisco and its neighborhood, the option of going and returning by various and different routes, together with the low rates of fare, make this an especially favorable time to see the coast at its best season. These collateral advantages, in addition to the important professional questions scheduled for presentation at this meeting, should insure a large attendance.

"OR EQUAL THERETO"

WHEN the architect writes in his specification, "All doors throughout to be furnished and fitted with Vulcan hardware, plate nos.," etc., or, "all hardwood floors to be finished with Baker's Altoona Polish," he should break the point of his pen before he permits himself to add, "or equal thereto."

For every building, taking price, locality and finish

into consideration, there is in almost every case some one make of building material or equipment which is, on the whole, more suitable for that particular occasion than any other. In the case of materials like Portland cement, most architects prefer to supplement brand with a test requirement. But in such instances as are cited above, and in many others like them, the architect should have no hesitation in saying distinctly what he requires and then should close the door to future disputes by omitting the phrase objected to—a phrase which always spells timidity, to say the least.

"STYLES" AND THEIR HANDICAP

OF all the shibboleths which have been invented from time to time to test the "correctness" of an artist's work probably none has wrought more harm for the unwary than that of "style." So firmly fixed is this idea in the mind of the man in the street that if one cannot, with a clear conscience, give him a prompt answer to his invariable question "in what style is that building?" he regards the one questioned as an ignoramus in architecture. There are too many architects as well who, not having had the benefit of systematic training in preparation for their profession, have a confused idea that "style" is necessarily a conscious adjunct of design.

Style, in the historical sense in which it is generally used, means a national way of building and, properly applied, is a term which may be correctly employed. But unfortunately these national ways of building are not clearly understood by the inexpert, and superficial adjunctive detail is seized upon as the hall mark of a style. So, pointed windows are taken to spell Gothic, and "the orders" Renaissance. It would greatly surprise such a questioner to be told that every window and doorway in a building may be pointed and the design of the building still not be Gothic, or that every cap in the façade may be a Scamozzi cap and the design be not at all "Renaissance." Still more incredulous would be that questioner (his name is legion) who asks "when are we going to have an American style" if he were answered, "we have one, and have always had since the landing of the first colonists."

The fact is, style in architecture, as has been said, is merely a nation's way of building, and every building in America differs in its total expression as well as in its technique from all other buildings ever built elsewhere, and so is easily distinguishable from all those others. We may even go further and say that if an American architect were commissioned to erect in America an exact duplicate of any foreign building he would be unable to execute his commission, whatever means were put at his disposal. That is to say, if it could be made possible to compare the original and the American copy alongside of each other they could be easily distinguished, because of the differences in "handling," due to the differences inherent in time, place and heredity.

If men in their architectural designs would bring themselves to feel that all this talk of "style" is futile and even a barrier to progress, and would set themselves heart and soul to finding a timely and rational solution of the problem in hand they would soon understand that the vernacular in which they may choose to express their thoughts is not, after all, of much consequence.

(Continued from page 156)

values when everything should have been finally placed. The great Italian palace and French château interiors, it may be recalled, have decorative schemes in color and form which often seem impossible when seen in books reduced to geometrical drawings and reproduced from



MANTEL IN TRUSTEES' ROOM

photographs. No doubt the architects of the library were accurately informed as to the most approved precedents in decorative work of the character which have been rendered in the library, and did not fail to avail themselves of all known devices of the art.

Free Instruction in Architecture and the Mechanic Arts

The St. Paul Institute and the Builders Exchange, of that city, have united in organizing a systematic schedule of instruction for laborers and unemployed mechanics. As employers of labor members of the Builders Exchange are interested in developing a body of workmen with some theoretical training in addition to their practical skill. In connection with this scheme courses are also offered in architecture. The elementary courses in drawing are in charge of Mr. J. O. Cedarburg, a draftsman in the office of State Architect Clarence Johnston. Intermediate and advanced courses in architecture are given under the direction of Mr. T. G. Holyoke, of Cass Gilbert's office, and Mr. E. L. Masqueray, architect of the cathedral.

THE CONSERVATION OF ARCHITECTURAL RESOURCES

During the past four years there has been insistently placed before us by the national government, in the shape of printed pamphlets from various departments, the necessity for a conservation, an economical use of our national resources. We have been admonished to stop the needless waste of raw material, and to give intelligent co-operation in conserving what at one time was regarded as inexhaustible supplies, but which scientific investigation has demonstrated are rapidly diminishing resources. The wide application of this very important system of economy may, without stretching a point, be with much justice applied to a conservation of our architectural resources. By this term is meant to include those areas of location in all the more important cities throughout this country, where through the shifting of population or the encroaching tide of business locations any one, with but indifferent perception, may easily foretell the great importance that these localities will assume in the near future. As the matter stands in New York at present, as far as any law on the statute books may have a bearing, or any restrictions that might be enforced by our Building Department, there are no legal means to prevent the wasting of such opportunities. No steps can be taken to insure the logical architectural development of a given locality, and the ultimate result is entirely in the hands of individual owners, who have not hitherto shown much municipal pride in the class or design of buildings erected.

The often referred to instance of the failure of the certain property owners abutting on Times Square in New York to combine in the production of a good architectural result, and the very unfortunate outcome, is only again alluded to as affording a valuable object lesson to other municipalities.

The observant man, especially if he has lived in New York for several years, knows how many opportunities are yet present for the architectural adornment of civic centers, and he will need all the optimism he can command to prevent him from believing that these architectural resources will fail of conservation.

Turning his back on Times Square, and tracing his steps north, naturally along Broadway, the saunterer will soon reach Columbus Circle, where Eighth avenue crosses Broadway. With the rapid upbuilding of New York, it can be confidentially predicted that this point will soon become an active civic center. Its location presents certain topographical features that it is well to consider. From this point, north along Eighth avenue to 110th street and east on Fifty-ninth street to Fifth avenue, stretches the uninterrupted expanse of Central Park. Looking northeast one sees the beautiful sky line of trees and all the wide and open spacing of a well-kept park. This park acts as a barrier to future building encroachment over the area indicated. On the west is one of the most important apartment house sections of Manhattan Island. It may be logically inferred that the steady northward growth of population will probably halt here for a longer period than it has at any other previous location.

New Yorkers are familiar with the character of Co-

lumbus Circle. Its rambling buildings, representing various types of construction, design and material, are an eyesore and, with the natural enhancement of real estate values, will, no doubt, soon be demolished to make room for more appropriate structures.

Here we have an architectural opportunity of the greatest value, but we can not assure ourselves that it will be taken advantage of. It will take but one atrocity to spoil the whole place just in the same way that the monstrous advertising tower has ruined the architectural presentation of Times Square. As a nucleus for a scheme of coherent and sane construction, we have at Columbus Circle, on the north, Carrere & Hastings' New Theater. We had in Times Square the Hotel Astor and the Times Building. Excepting the Rector building neither of these good buildings served to set an example for subsequent operation, and there was no way to prevent the unfortunate thing that has happened.

Another and perhaps minor opportunity is shown in the development around Union Square, New York. The plaza on the north side of the square may be designated as a municipal reviewing and parade ground. Here at different times throughout the year large numbers of people congregate to witness drills or parades by various uniformed bodies in the city's service.

Here may be seen a good example of varying periods of New York building activity and how, regardless of juxtaposition or location, the individual owner may do as he likes with his own without regard to fitness or esthetic propriety. The examples cited are but a few of the many instances to be found along the main thoroughfare of New York City.

Other cities throughout the country present equally good opportunities and equally flagrant examples.

Having referred to this failure to conserve our architectural opportunities, it naturally occurs to the reader that some solution or pertinent suggestion that will prevent further waste should be added. Frankly, we do not know how it can be done. Possibly by municipal enactment, or such legal restrictions as were suggested by Mr. John M. Carrere in an interview printed in a recent issue. It is along these lines that the Fifth Avenue Association and President Brunner's committee of the local chapter of The American Institute of Architects are working. We look forward with much confidence to a large measure of accomplishment and that the future character of building operations on Fifth avenue will be of a nature that will reflect credit on the architectural perceptions of the various owners. We believe that people are to-day more alive to the value of good architecture as a municipal asset than ever before. The task before us is to make these views operative.

Standardizing Designs

According to a news item in a recent issue of *The Building News*, the Public Works Department of Burma has entrusted to a commission, composed of one engineer officer and one civil engineer, the standardization of all court house designs throughout that dependency. "Suitable" type designs have been drawn up by the commission and have received the approval of the Governor-General.

Japanese Stencils

Until recently stenciling has been regarded by us as a mechanical process unworthy of an artist and to be employed only by craftsmen willing to sacrifice originality and beauty to swift reproduction.

It is now fairly well understood even in the West that no such sacrifice is necessary, and that for over a century and a half the Japanese have been stenciling the silks and cottons which are so much admired.

Japanese stencils illustrate pure design as well as any group of objects that the department could show. The color of the resulting decoration on cloth is, of course, not seen, but all the other elements that please the eye in decoration—rhythm, balance, composition, and the rest—are there. In some cases we have even the last and most compelling factor of interest—"representation."

The first Japanese stencils were probably used some two hundred years ago in Kyoto, which from the tenth century until forty years ago was the capital city of the empire and the chief seat of arts and of crafts. Today stencils are used on all sorts of cloths, from the huge figures on the shop signs and theatrical curtains down to the delicate patterns on the silken kimono of the geisha and court ladies. They are not all successful as designs, however much the present demand for Oriental productions may popularize them.

In general, the technique of making and using paper stencils is simple enough, but, as in any craft, mechanical skill and propriety of design must go hand in hand. In brief, the design is "restrained," as the dyers say, by a paste applied to the parts of the cloth to be left uncolored, and the piece is dipped and steamed as a whole. The designer submits his picture to the cutter, who takes a careful tracing from it and cuts out those portions of the background and design which are not to receive color. Through the holes thus left a starchy paste is rubbed on the cloth with a flexible wooden spatula; the stencil is then pulled off and the cloth turned over to the dyer to steam and soak. When the paste is removed the pattern is found to have taken on the bare spaces of the material.

If the design includes more than one color, the process is repeated, this time with the restraining paste applied to the first colored areas and to whatever places are to be left white.

Each new color presupposes a fresh tracing from the original drawing, from which are cut all the spots not to receive that particular dye.

The process of applying the restraining paste through the stencil is illustrated by a reproduction of a print by Kuniyoshi taken from Somemono Hayamanabu, "Quick Dyeing Methods," published in Tokyo. The print shows a woman at work on a length of cloth suspended from either end. The cross tension is supplied by slivers of bamboo, spiked at the ends, which are longer than the width of the cloth, and, piercing the opposite edges of the strip and bending beneath it, act like springs.

The paper in which the design is cut is very thin and tough. Five or six sheets are cut at one time, after which they are glued together two and two, often reinforced by filaments of raw silk glued between, which

bridge the gaps and hold the more fragile parts of the design in place. The upper surface of the paper is then made waterproof with a preparation of the tannic juices from the persimmon and the walnut.

Elaborate and delicate cuttings are possible only when the silk threads are used for reinforcement, and the cheaper stencils are necessarily designed to do without them.—*Bulletin*, Boston Museum of Fine Arts, October, 1910.

Architectural Copyright

The general attitude of architects toward the proposed extension of copyright to their works is, if we are to regard as representative the opinions expressed by several in the columns of a contemporary, not one of enthusiasm. The reason for this is easily understood; indeed, having regard to the present state of public opinion in matters architectural, it may well be doubted if architects would have anything to gain by protection of this character. To those having a clear perception of the requirements of their art every fresh problem carries with it the conditions of its own solution, which would only be interfered with by imposing on it an adventitious and preconceived ideal borrowed from another's work. The mere copyist is bound to fall short of the man whose knowledge and imagination are vivified by the limitations and conditions governing his work. The strong can afford to be generous, and we cannot picture the artist swooping down on his weaker brother for having lit his rushlight at his *confrère's* lamp. Most architects realize that but a small proportion of their remuneration is the regard for the exercise of artistic imagination, and that consequently for some time to come it is unlikely that such legal protection would offer them any pecuniary advantage or tend in any way to advance their art. Mr. Ernest Newton puts the matter clearly and concisely when he points out that—

"If an architect's work is sufficiently interesting to influence others, intelligent plagiarism is all to the good. Old houses were as much alike as peas in a pod. No one thought of copyrighting his ideas, and so a respectable standard was maintained. Now and then a builder with more ideas than his fellows did something that set the countryside talking, and all the others followed in his footsteps. Of course, the wholesale pillage of designs from the professional journals by incompetent charlatans is abominable, and the caricaturing of an architect's building is painful to the architect and bad for architecture, but the remedy lies very much in the hands of the public. If they become more discriminating the purveyors of architectural hash will find their occupation gone and with them will disappear any necessity for architectural copyright."

The Complexity of Architectural Practice

One of our English contemporaries refers in its notes to a paper by an English engineer before his colleagues on the "Theory and Practice of Surveying." His analysis of the practical indistinction to the theoretical man suggests the complexity of variety of viewpoints of

the factors employed in present-day routine of architectural practice, especially in the United States. In the American architect's office it is necessary to distinguish not only between the practical and the theoretical man, but also between the designer and the constructor, and we believe we do not overstate the case when we say that, to-day, in an extensive practice, there are often four different classes of men engaged on a single piece of work. In the first place, there is the chief designer, who is generally the principal himself; then there is the designer who develops, as a designer, the roughly suggested ideas of the design and produces drawings sufficiently accurate to pass on to the practical office man, whose business it is to know about all the technical details necessary to show and specify for the guidance of the contractors; and, lastly, there is the practical superintendent, whose duties lie entirely on the job and who generally is little of a draughtsman. A truly complex system has the practice of architecture become, and when it is taken into account that in a large office the accounting is an equally important and complex operation, the busy architect has little opportunity to do some of the things which he seems so persistently to leave undone.

Structural Lessons of the Brussels Exhibition Fire

"The Builder" (London), in a recent issue, makes comments and suggestions applying to the construction of exhibition buildings that are worthy of note. They are occasioned by the conflagration at the Brussels Exhibition, some weeks since. In substance the assertion is made that it is perfectly possible to construct appropriate structures for exhibition purposes by abandoning the present system of a wood structure covered with canvas and modelled in plaster of Paris. Steel inexpensively encased in fire-resisting materials is especially urged in roof construction and expanded metal, wire netting and steel lathing for walls between main stanchions and for interior partitions. The Paris Exposition of 1900 is cited as the best conceived of modern exhibitions from a structural standpoint. Many of its important units, it is recalled, were built of reinforced concrete to safely shelter exhibits of great value. This example, it is pointed out, should always be followed in such cases, regardless of expense. Materials and products of an especially combustible character should also be housed in fireproof structures or in fireproof compartments inside the building, the same degree of attention being paid to details such as small temporary buildings to protect and display exhibits, fire-doors, the use of wired glass, installation of proper fire-extinguishing appliances, sprinkler systems and the like. Attention is called to the havoc wrought by fire to the light and graceful members of the steel frames at Brussels that were unprotected by a fire-resisting covering. A plea is made for a more rational architectural treatment of exhibition buildings in place of the practice of frosting over the structure with a fantastic covering of questionable artistic value and unsuited to adequately protect its valuable contents.