

The Book of the
Boston Architectural
Club for
1920



A QUOTATION

FROM ONE OF THE PAGES OF OUR BOOKLET

“THE RELATION OF ELECTRICITY TO PROPER PLANNING OF THE HOME”

“**T**HAT is one of the reasons why architects recommend the exercise of due care at the outset in planning the wiring and electrical equipment of a home. It is only in this way that proper arrangements can be made for the number and location of wire outlets necessary to provide for the fixtures that will best adorn and light the home, and also for the electrical appliances that supply conveniences rapidly becoming recognized as indispensable necessities to modern housekeeping. When this forethought is not exercised, the home-builder is confronted at a later date with unwelcome difficulties, such as going to the additional expense of having the house rewired in order to secure the proper locations for the most appropriate kind of fixtures, or else accepting the disappointing and dissatisfying alternative of restricted selection from only such fixtures as may be available for the unsuitable and inadequate outlets provided.



*A copy of this
Booklet will be
sent to any ad-
dress on request.*



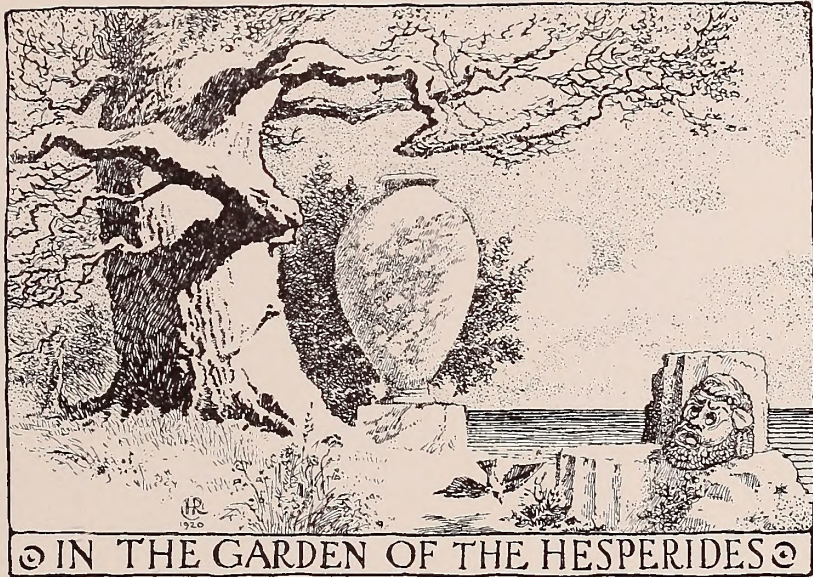
The same principle applies with equal force to the use of electrical household appliances. No home-builder would knowingly wish to be deprived of the opportunity to secure the greatest possible benefits from these useful devices that today meet practically every demand in the field of domestic science, making the performance of all household tasks lighter, more agreeable, more efficient, and truly economical. And yet, in many cases, the failure to go into the subject of wiring and electrical equipment thoroughly in the earliest stages of home-building, with a competent architect, results in a needless restriction of the freedom with which the convenience of these appliances may be enjoyed. ”

PETTINGELL-ANDREWS COMPANY

On the Site of the Boston Tea Party

Pearl Street corner Atlantic Avenue

BOSTON



SKETCH
By Hubert G. Ripley



ACCEPTED DESIGN WEST FRONT

Cathedral of St. John the Divine

Cram and Ferguson, Architects, Boston

BOSTON
ARCHITECTURAL CLUB
YEAR BOOK
FOR
1920

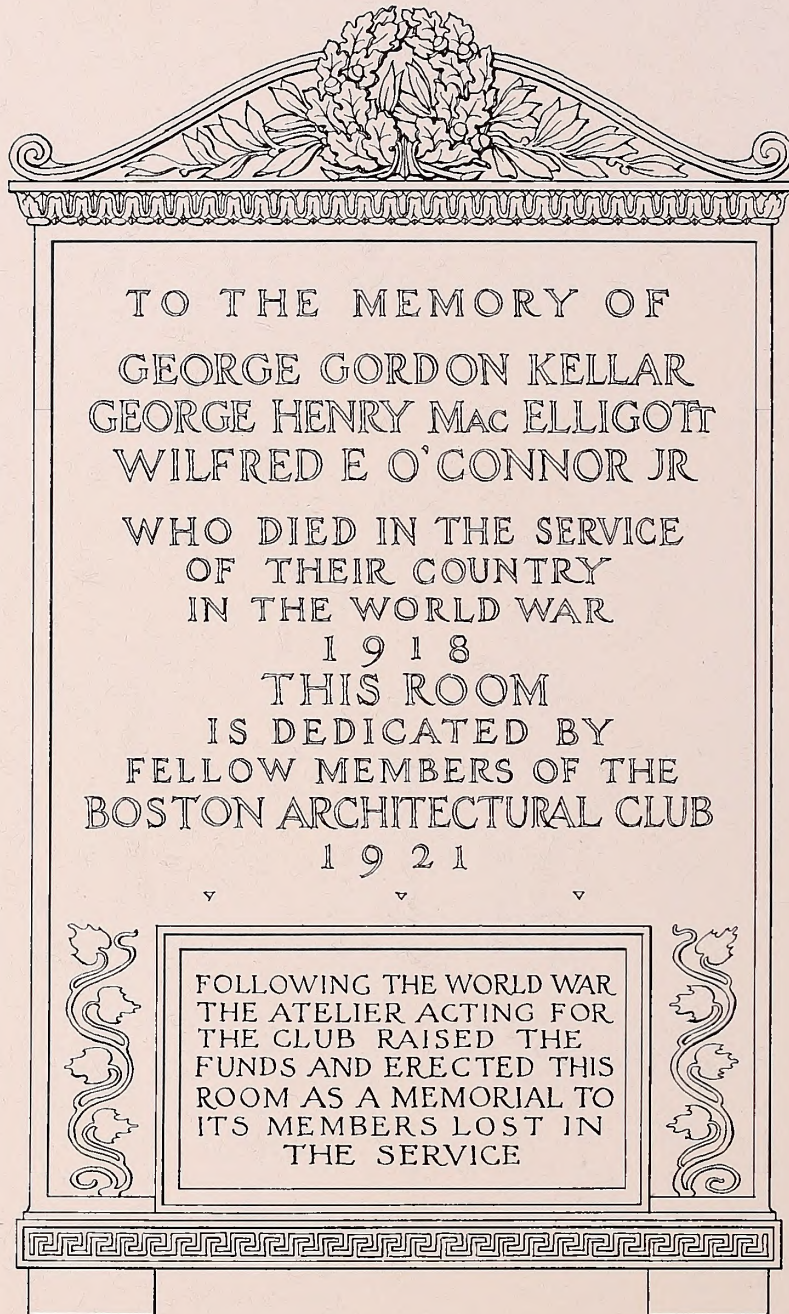
THE PROCEEDS OF THIS BOOK ARE DEVOTED SOLELY TO THE MAINTENANCE OF THE
EDUCATIONAL WORK OF THE BOSTON ARCHITECTURAL CLUB



PUBLISHED BY THE
BOSTON ARCHITECTURAL CLUB
16 SOMERSET STREET

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1920



TO THE MEMORY OF
GEORGE GORDON KELLAR
GEORGE HENRY MAC ELLIGOTT
WILFRED E O'CONNOR JR

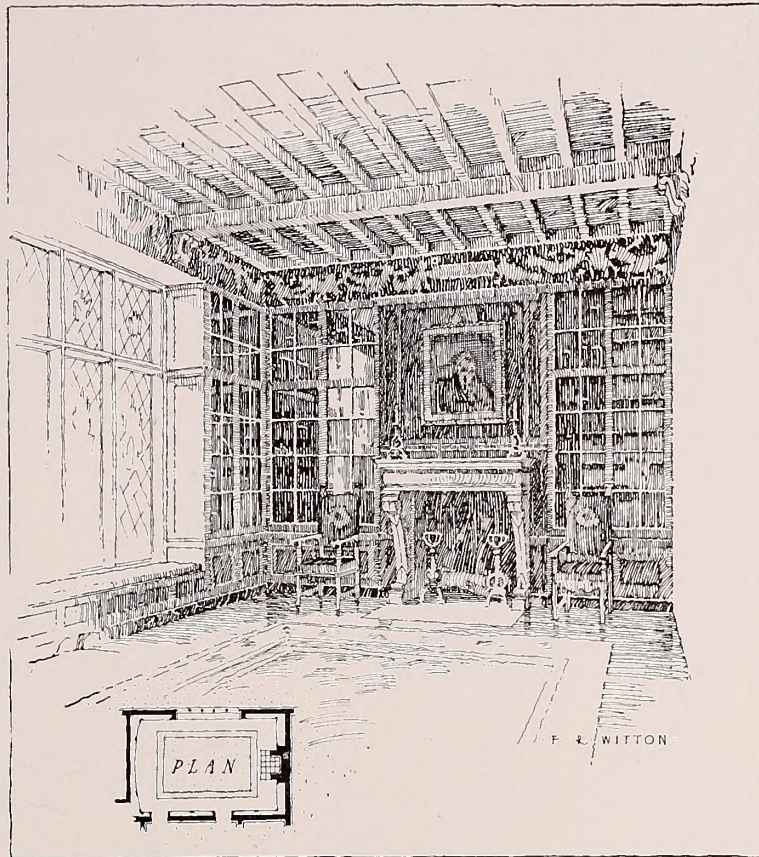
WHO DIED IN THE SERVICE
OF THEIR COUNTRY
IN THE WORLD WAR

1918

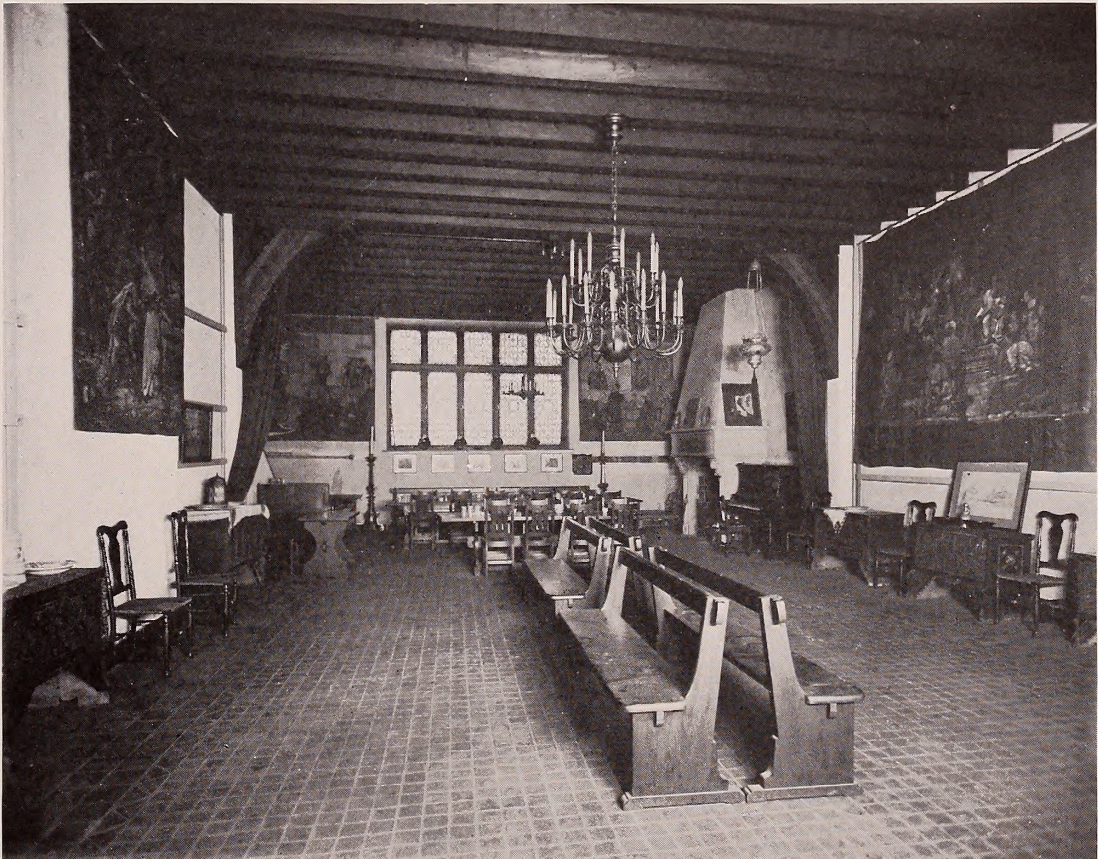
THIS ROOM
IS DEDICATED BY
FELLOW MEMBERS OF THE
BOSTON ARCHITECTURAL CLUB

1921

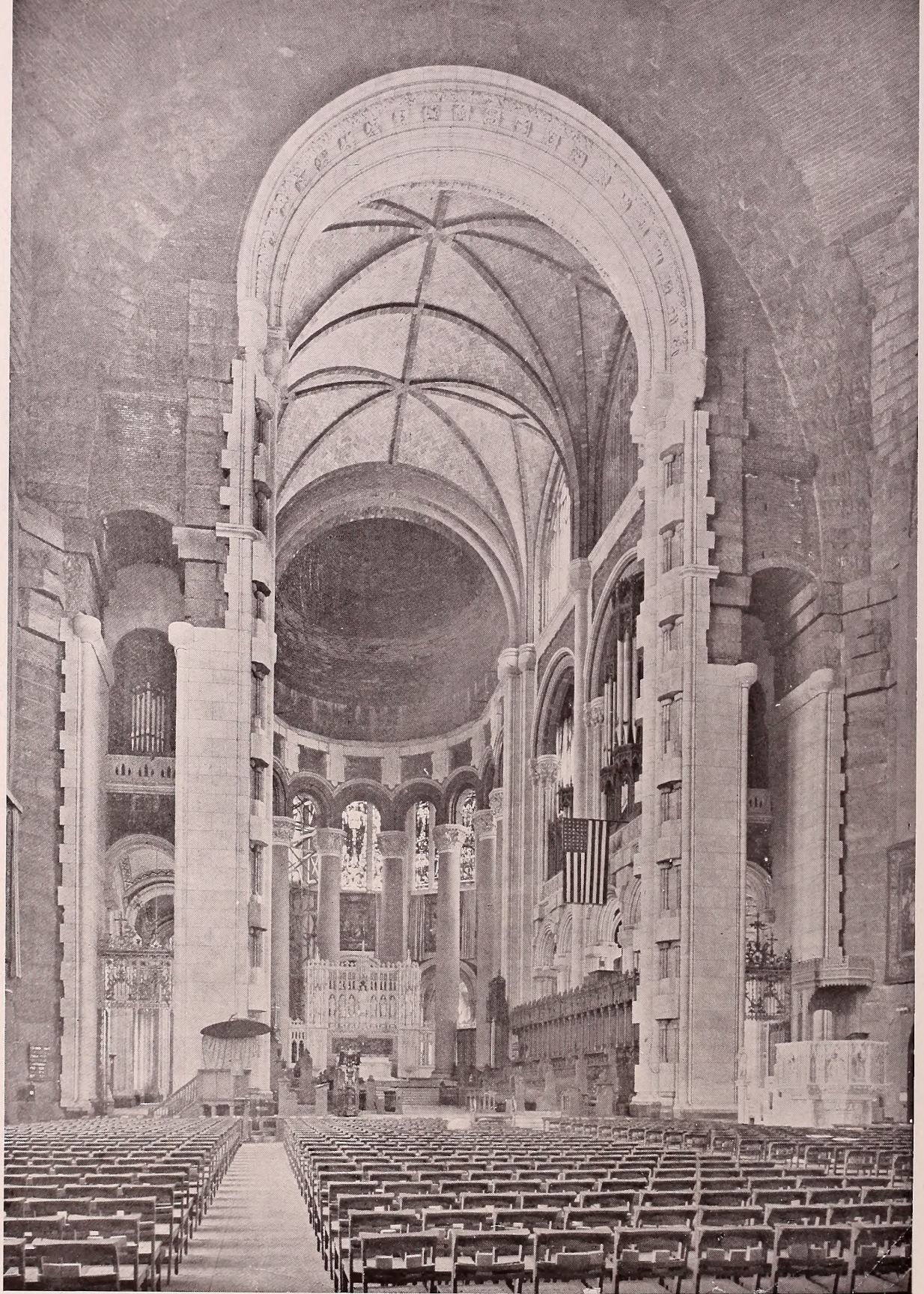
FOLLOWING THE WORLD WAR
THE ATELIER ACTING FOR
THE CLUB RAISED THE
FUNDS AND ERECTED THIS
ROOM AS A MEMORIAL TO
ITS MEMBERS LOST IN
THE SERVICE



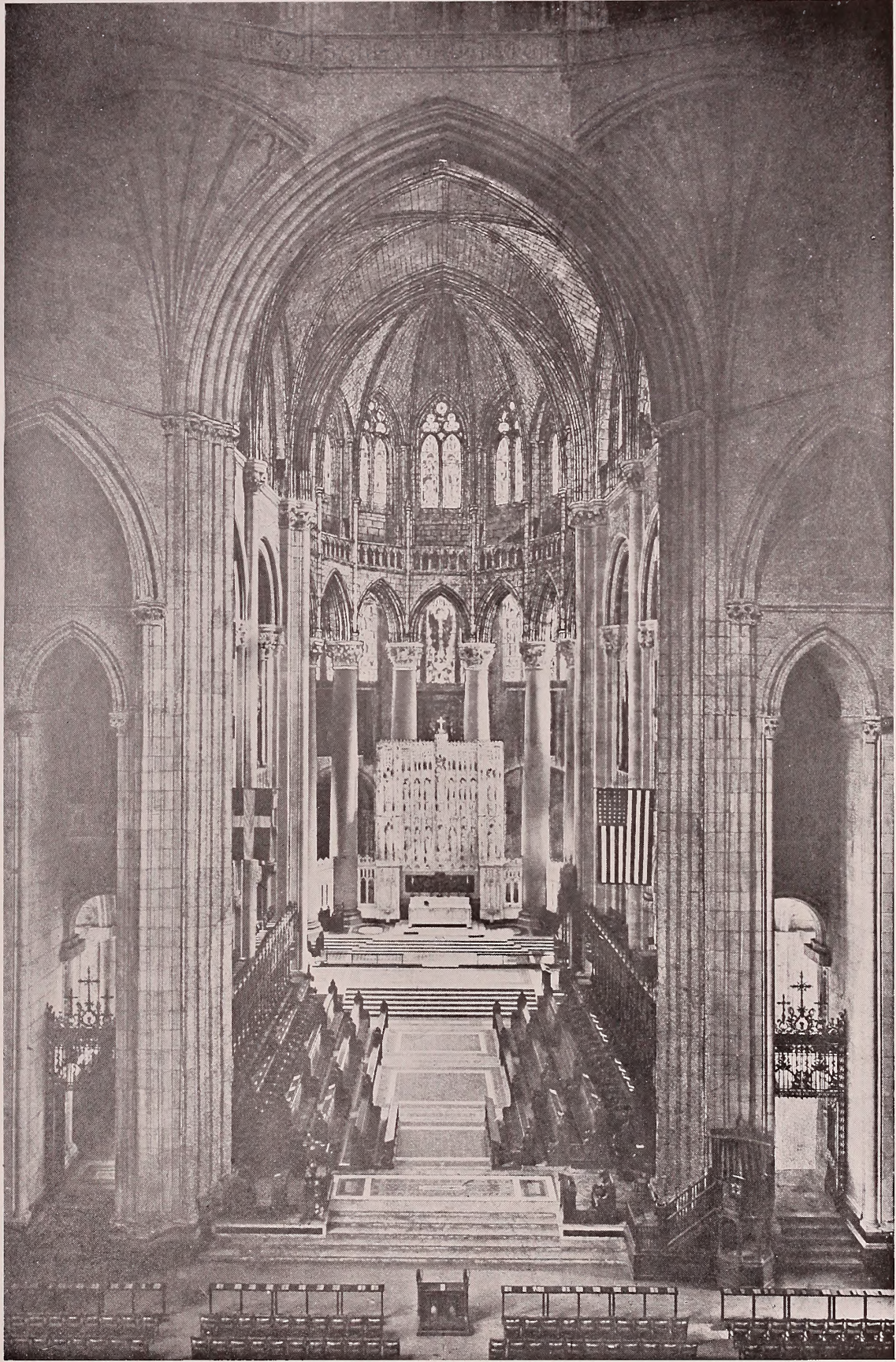
SKETCH FOR MEMORIAL LIBRARY
Boston Architectural Club



GREAT HALL
Boston Architectural Club



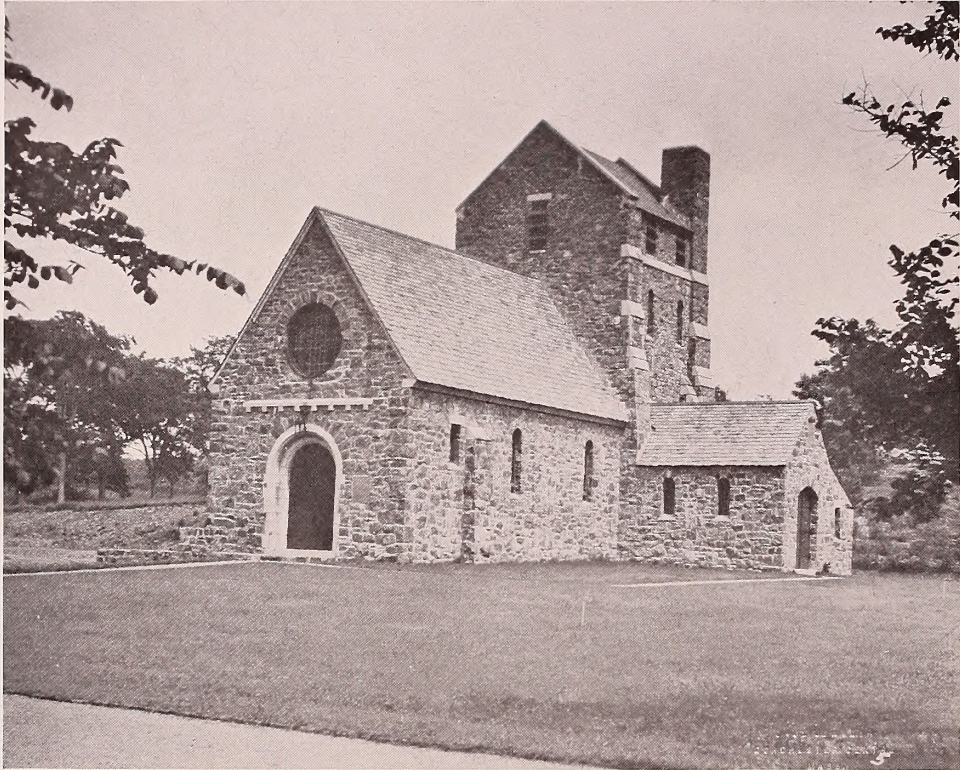
PRESENT INTERIOR
Cathedral of St. John the Divine, New York



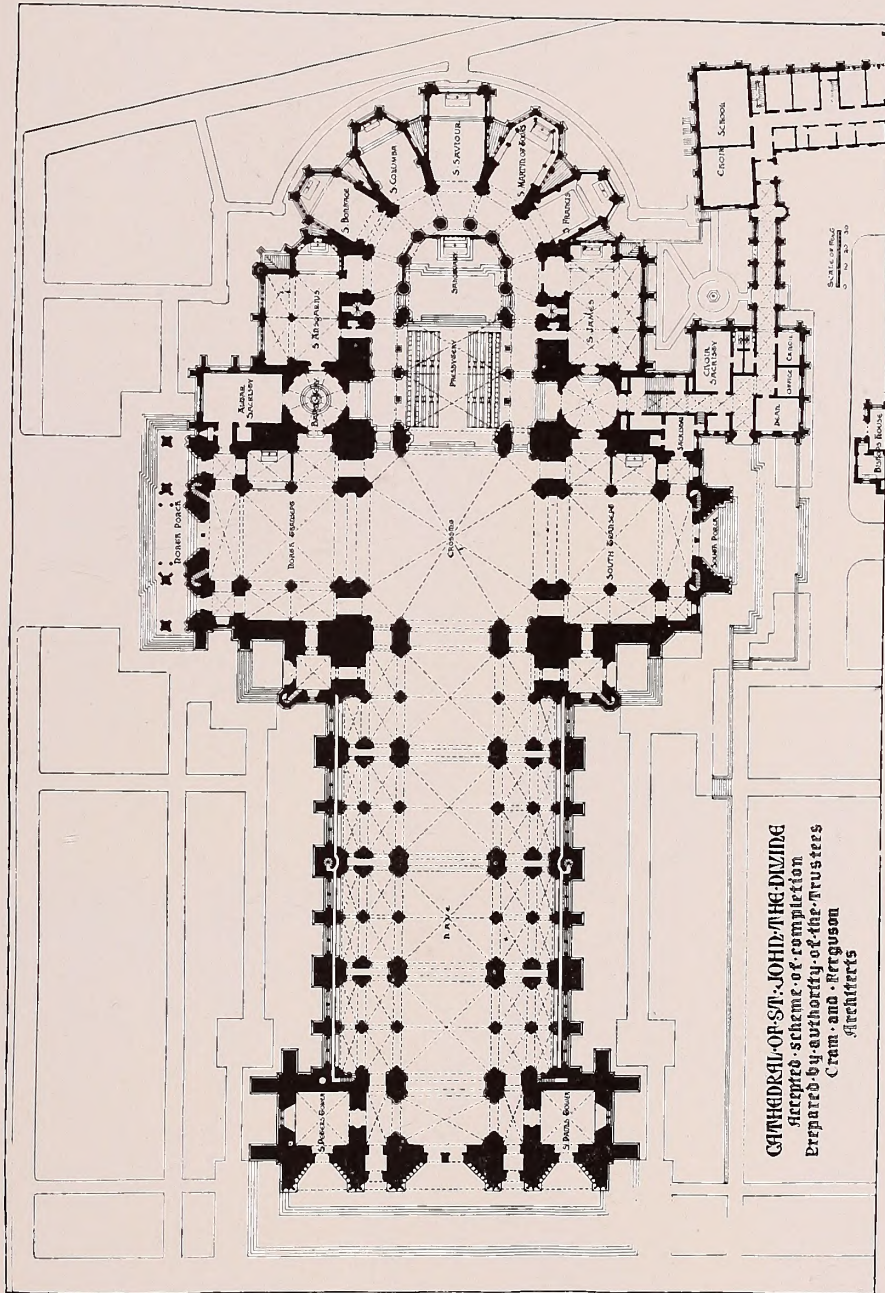
ACCEPTED DESIGN FOR CHANGES OF INTERIOR

Cathedral of St. John the Divine, New York

Cram and Ferguson, Architects, Boston

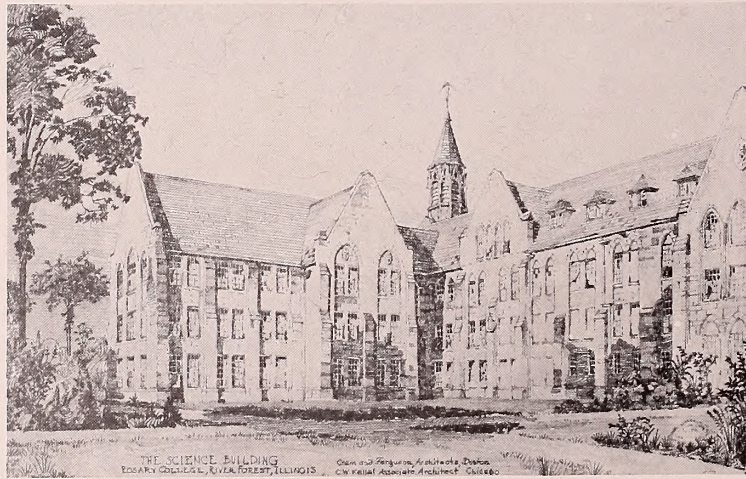
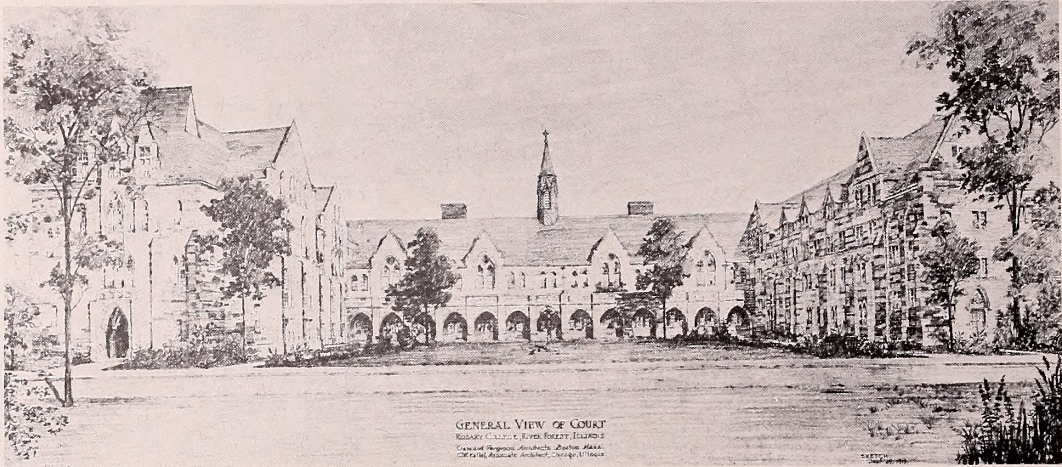


CHAPEL, ELLINGWOOD CEMETERY, NAHANT, MASS.
Cram and Ferguson, Architects, Boston

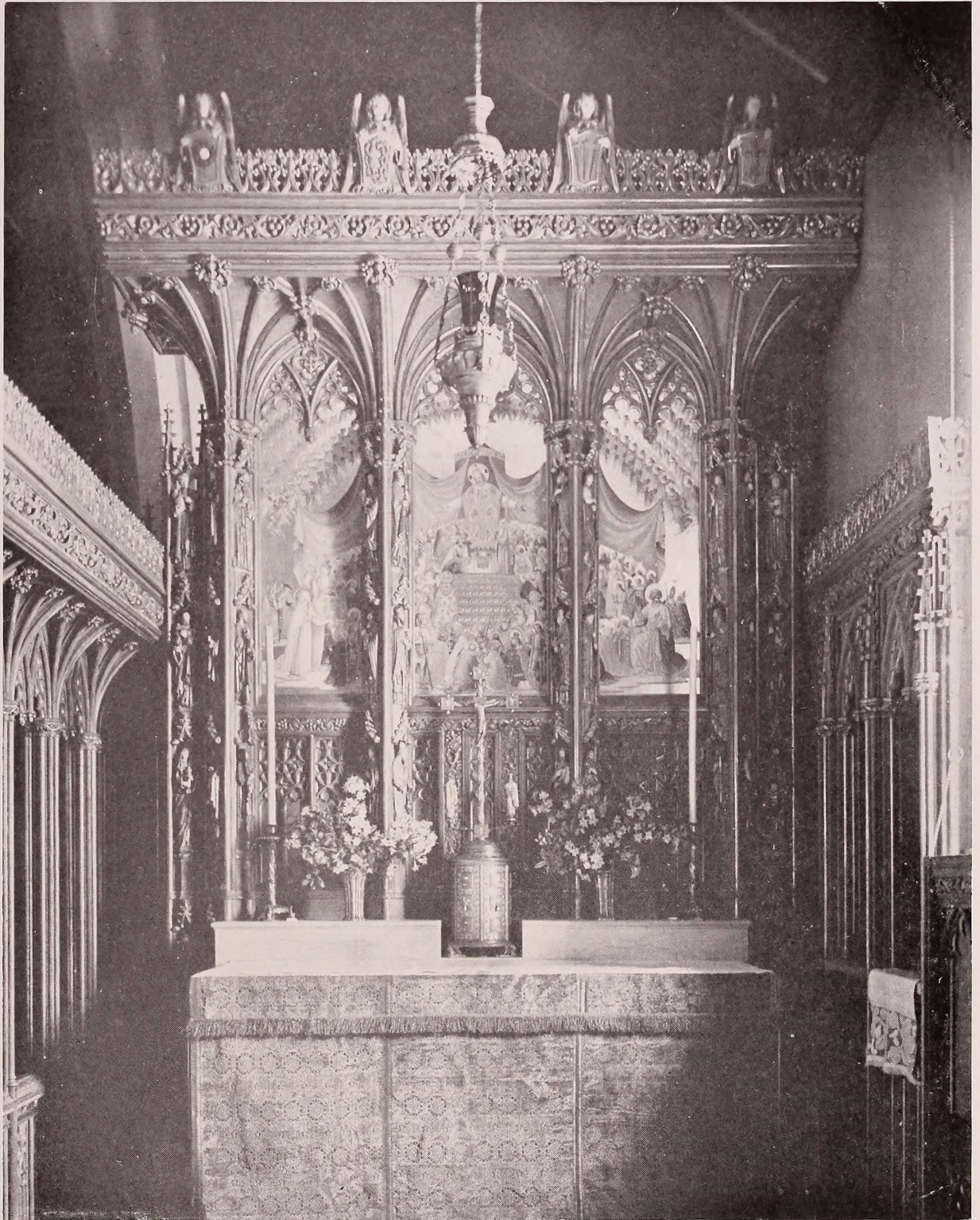


CATHEDRAL OF ST. JOHN THE DIVINE
 Accepted scheme of completion
 Prepared by authority of the Trustees
 Cram and Ferguson
 Architects

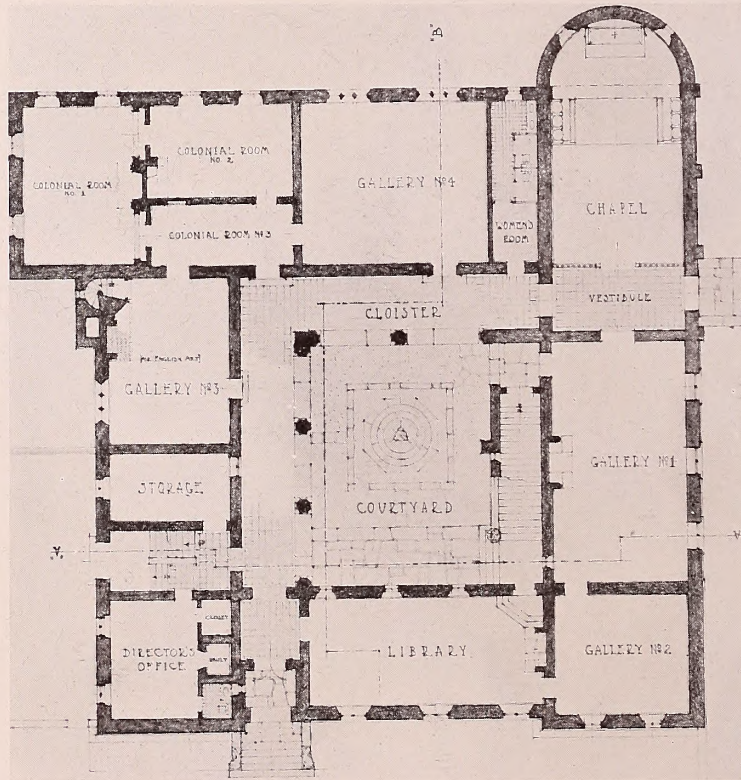
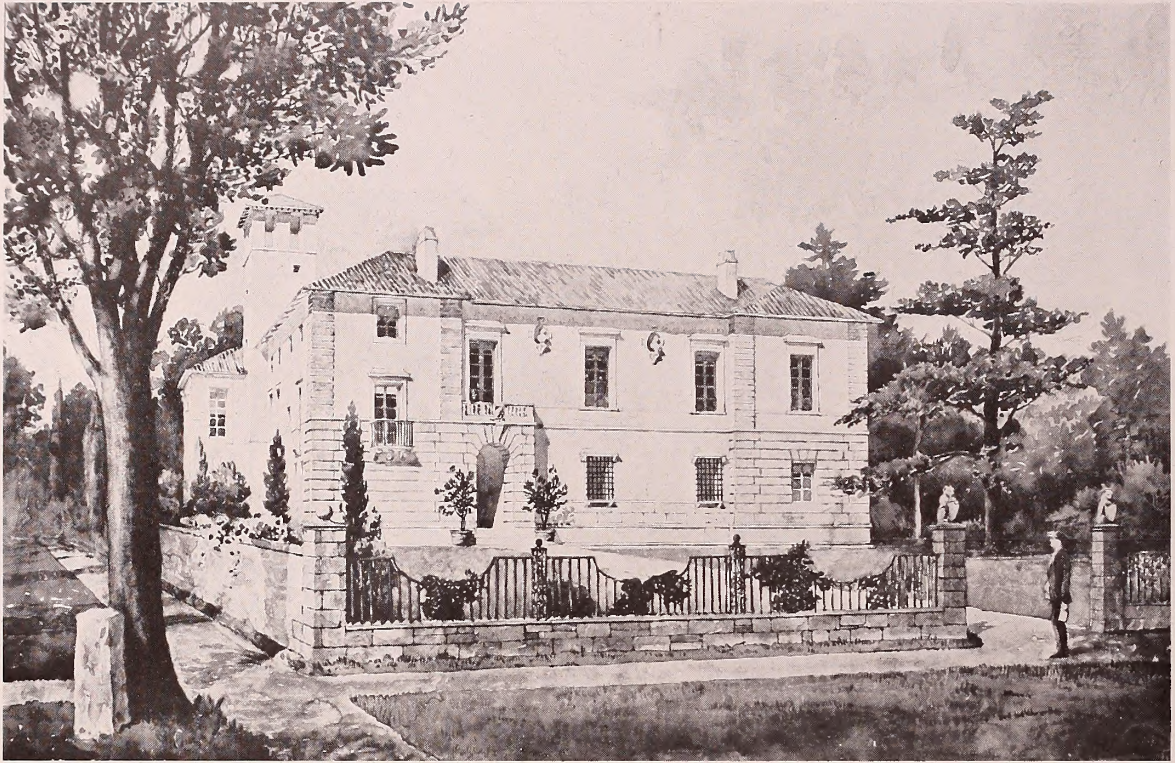
CATHEDRAL OF ST. JOHN THE DIVINE, NEW YORK
 ACCEPTED SCHEME OF COMPLETION
 Cram and Ferguson, Architects, Boston



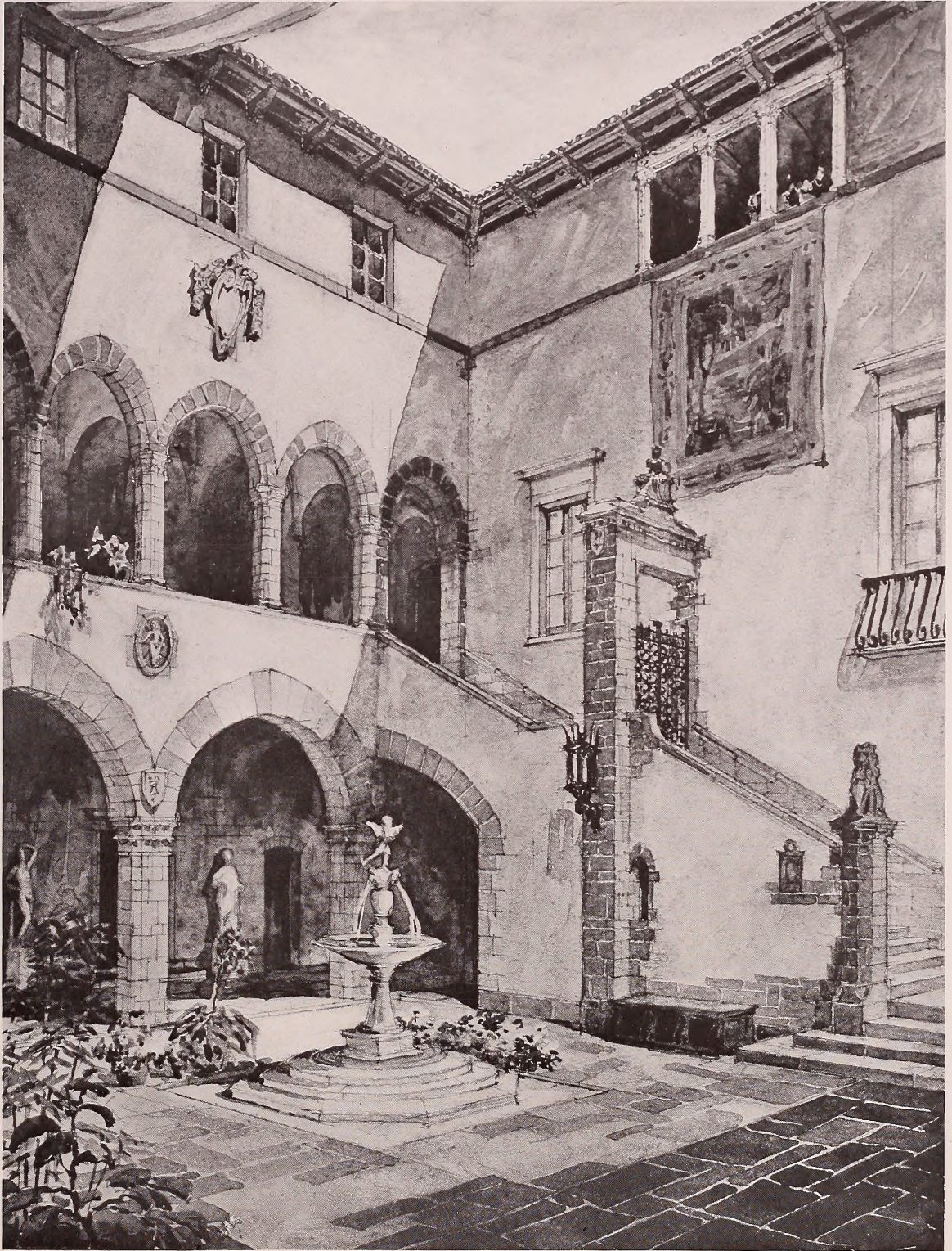
ROSARY COLLEGE, RIVER FOREST, ILLINOIS
 Cram and Ferguson, Architects, Boston C. W. Kattal, Associate Architect, Chicago, Ill.



ALTAR AND REREDOS IN SACRAMENT CHAPEL, ST. JOHN'S CHURCH, NEWPORT, R. I.



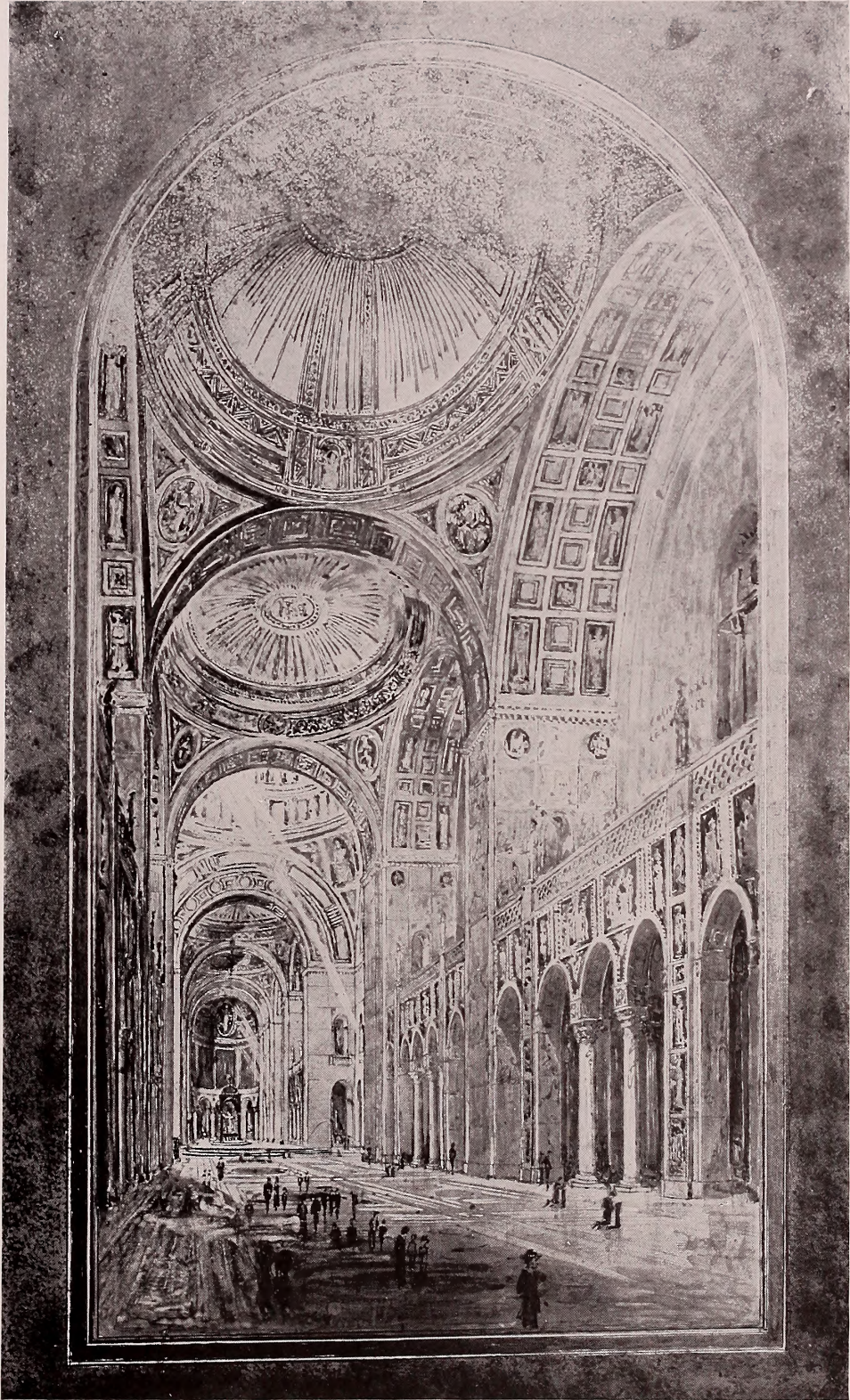
PROPOSED CURRIER ART GALLERY, MANCHESTER, N. H.
 Cram and Ferguson, Architects, Boston



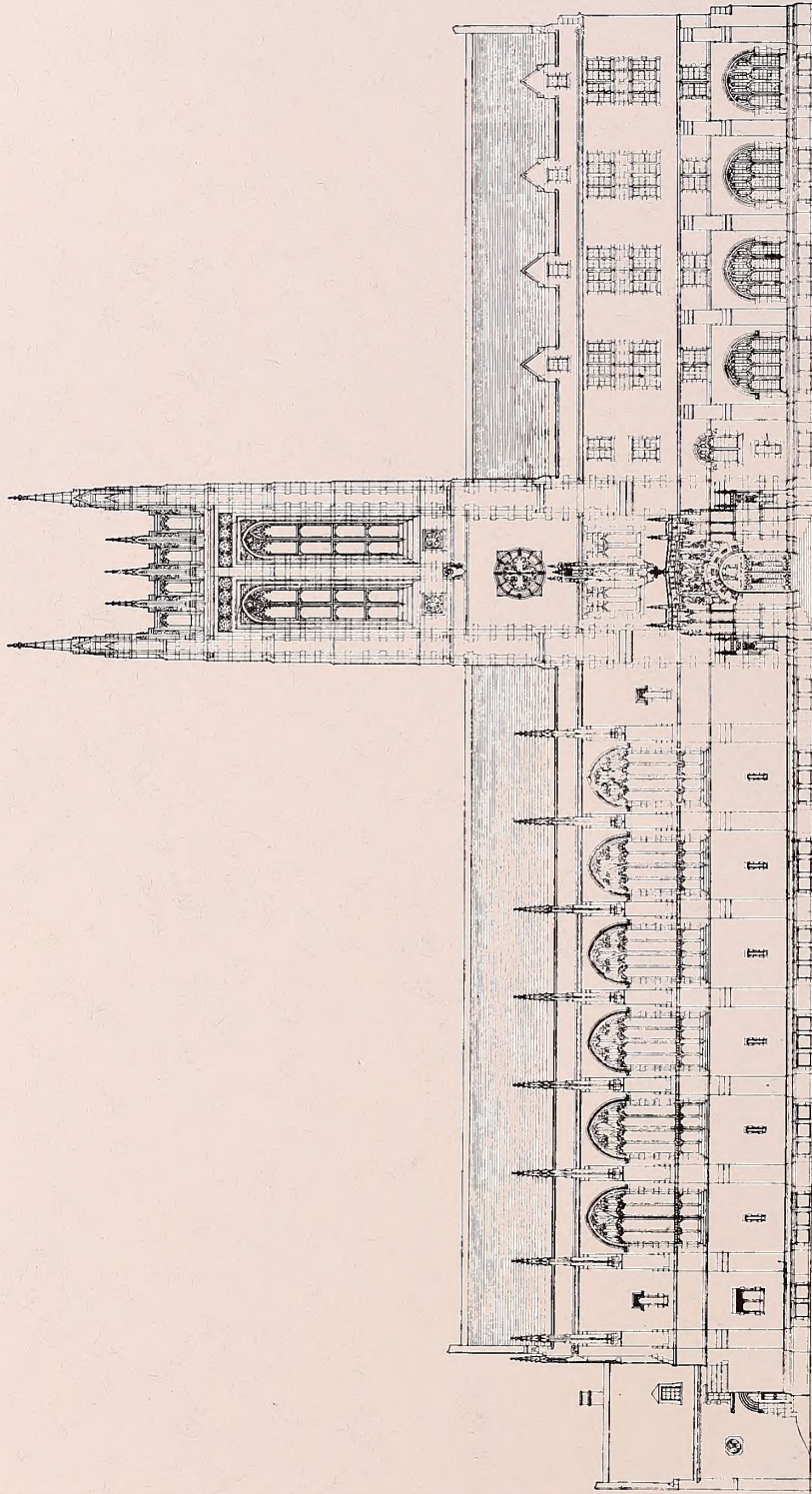
COURT, CURRIER ART GALLERY, MANCHESTER, N. H.
Cram and Ferguson, Architects, Boston



SKETCH OF ENTRANCE, SULPICIAN SEMINARY, WASHINGTON, D. C.
Maginnis and Walsh, Architects, Boston



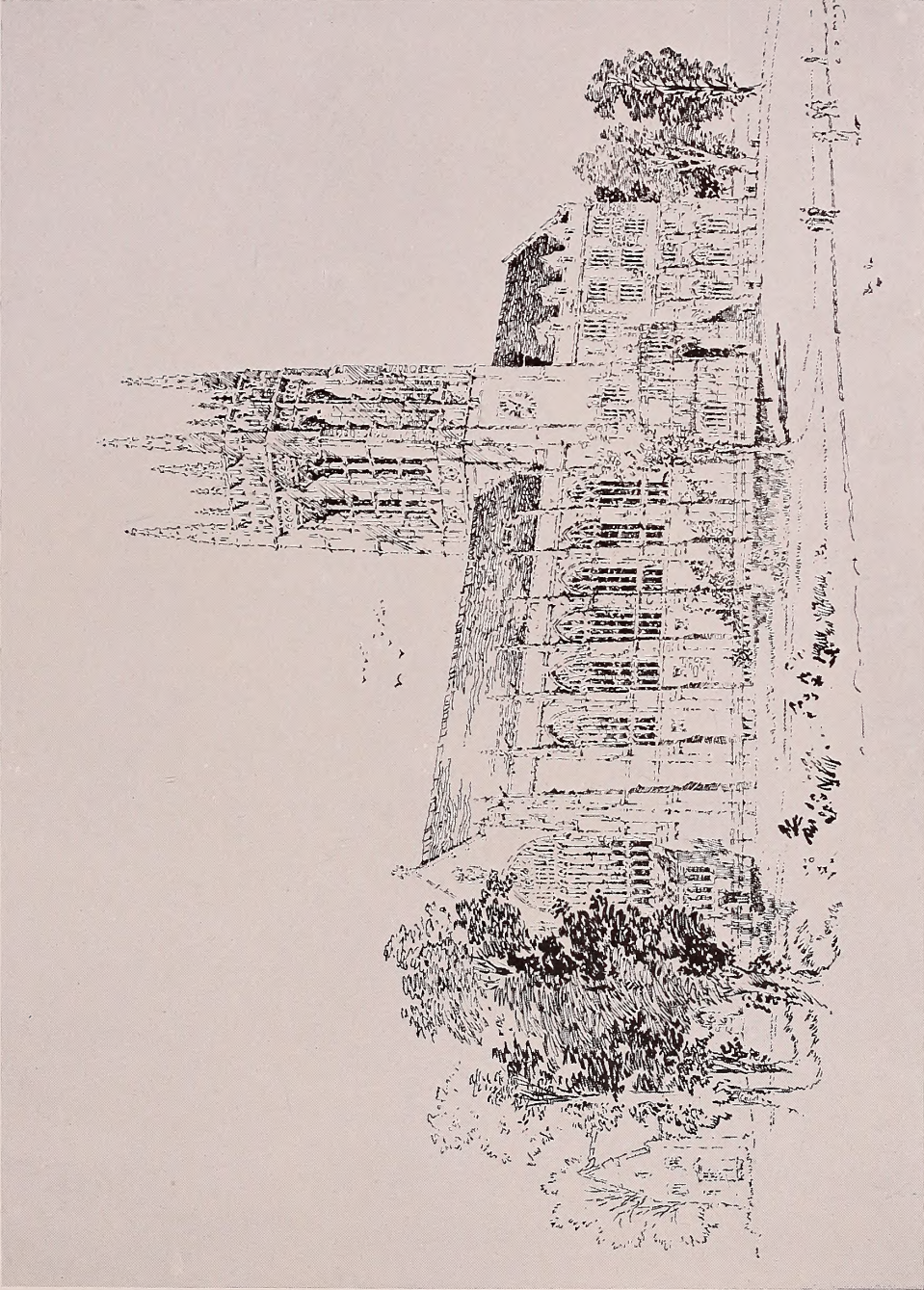
INTERIOR, WASHINGTON CATHEDRAL
Maginnis and Walsh, Architects
Boston, Mass.



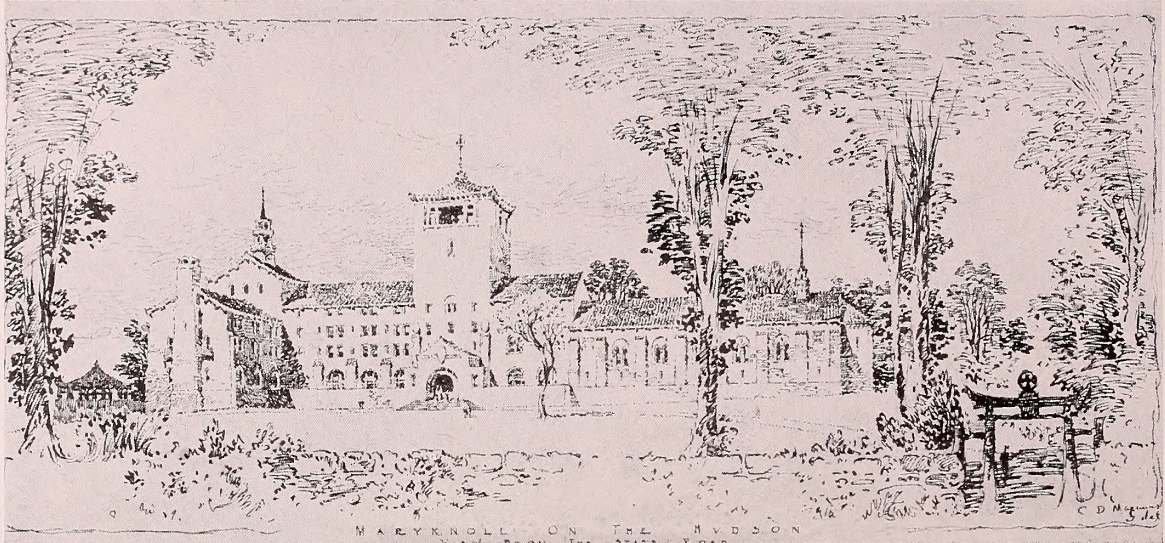
Sulpician Seminary, Washington, D. C., Architect - Maginnis and Walsh, Boston.

CC-N, NO. 444 D.V.C. NO. 1

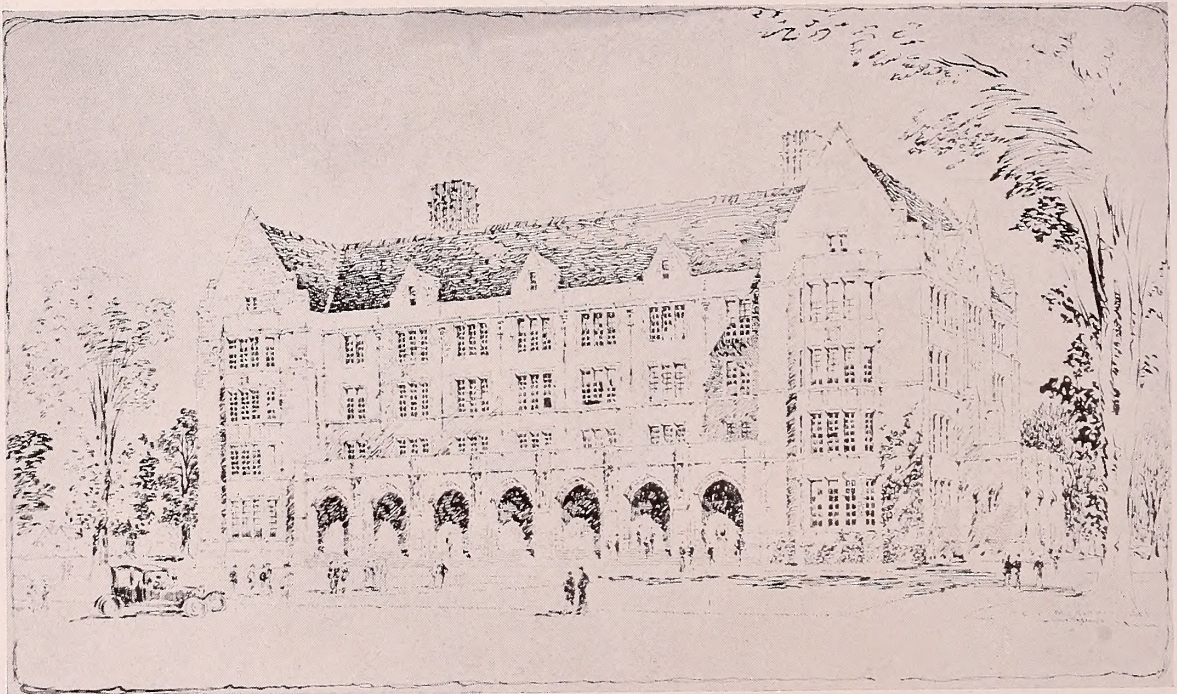
SULPICIAN SEMINARY, WASHINGTON, D. C.
Maginnis and Walsh, Architects, Boston



SULPICIAN SEMINARY, WASHINGTON, D. C.
Maginnis and Walsh, Architects, Boston



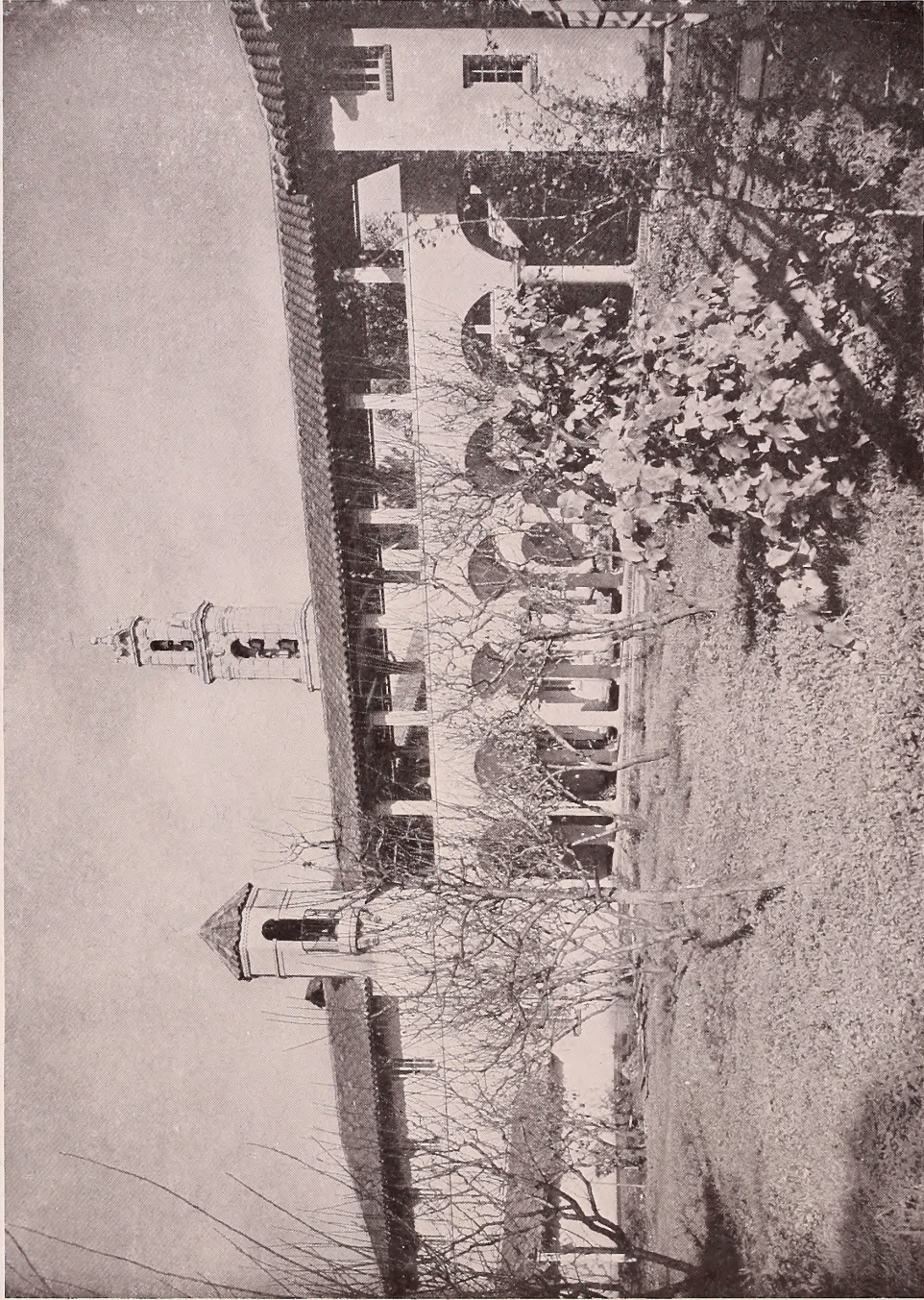
MARYKNOLL ON THE HUDSON
Maginnis and Walsh, Architects, Boston



NEW BUILDING, BOSTON COLLEGE GROUP
Maginnis and Walsh, Architects, Boston



ST. MARGARET'S CHVRCH BROCKTON COMPLETED MACINNIS & WALSH ARCHITECTS +



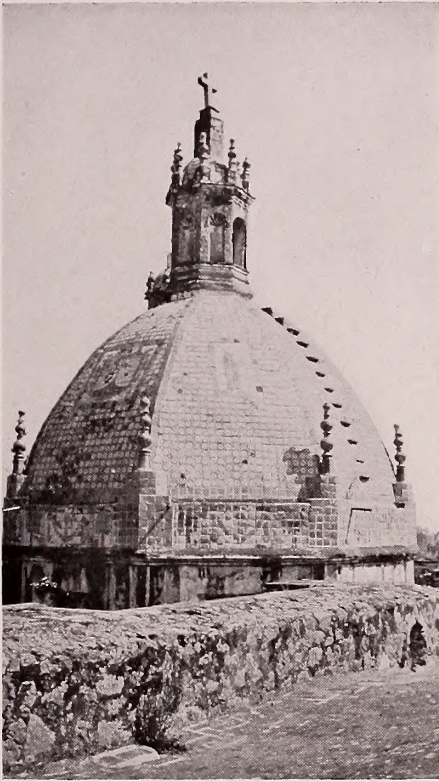
CARMELITE CONVENT, SANTA CLARA, CAL.
Maginnis and Walsh, Architects, Boston



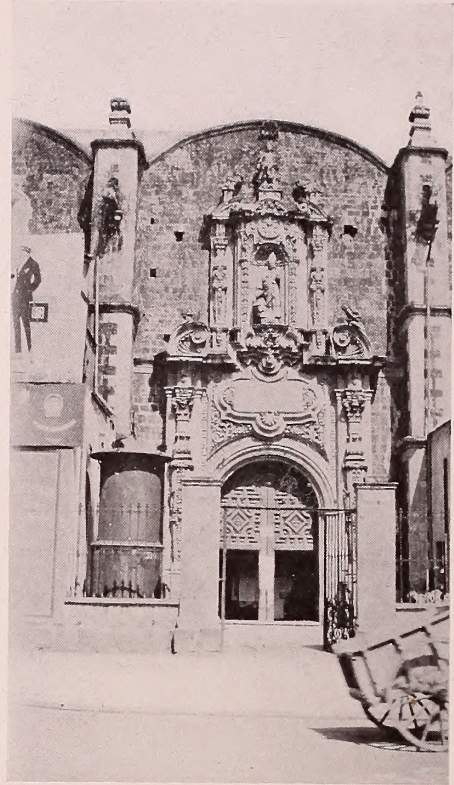
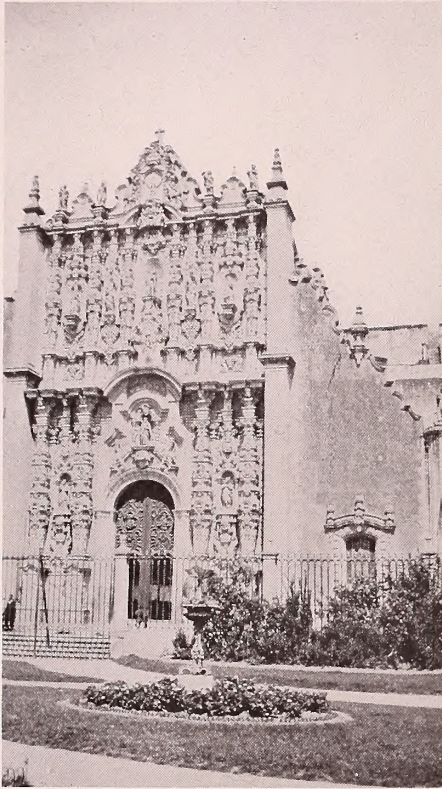
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Maginnis and Walsh, Architects, Boston



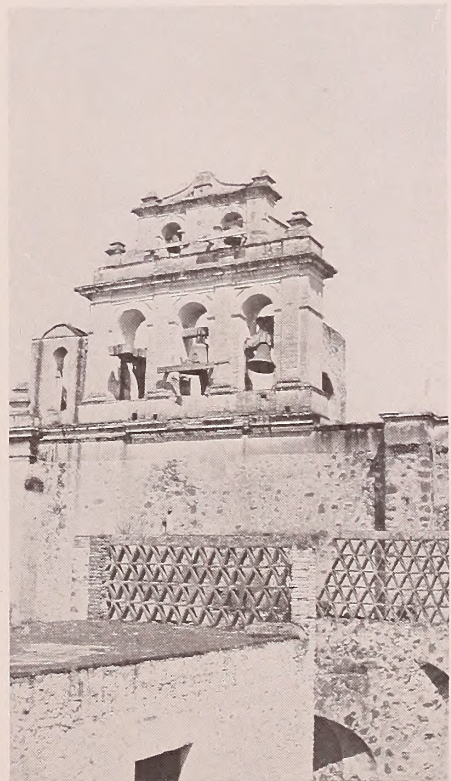
CHAPEL, HELPERS OF THE HOLY SOULS, NEW YORK CITY
Maginnis and Walsh, Architects, Boston



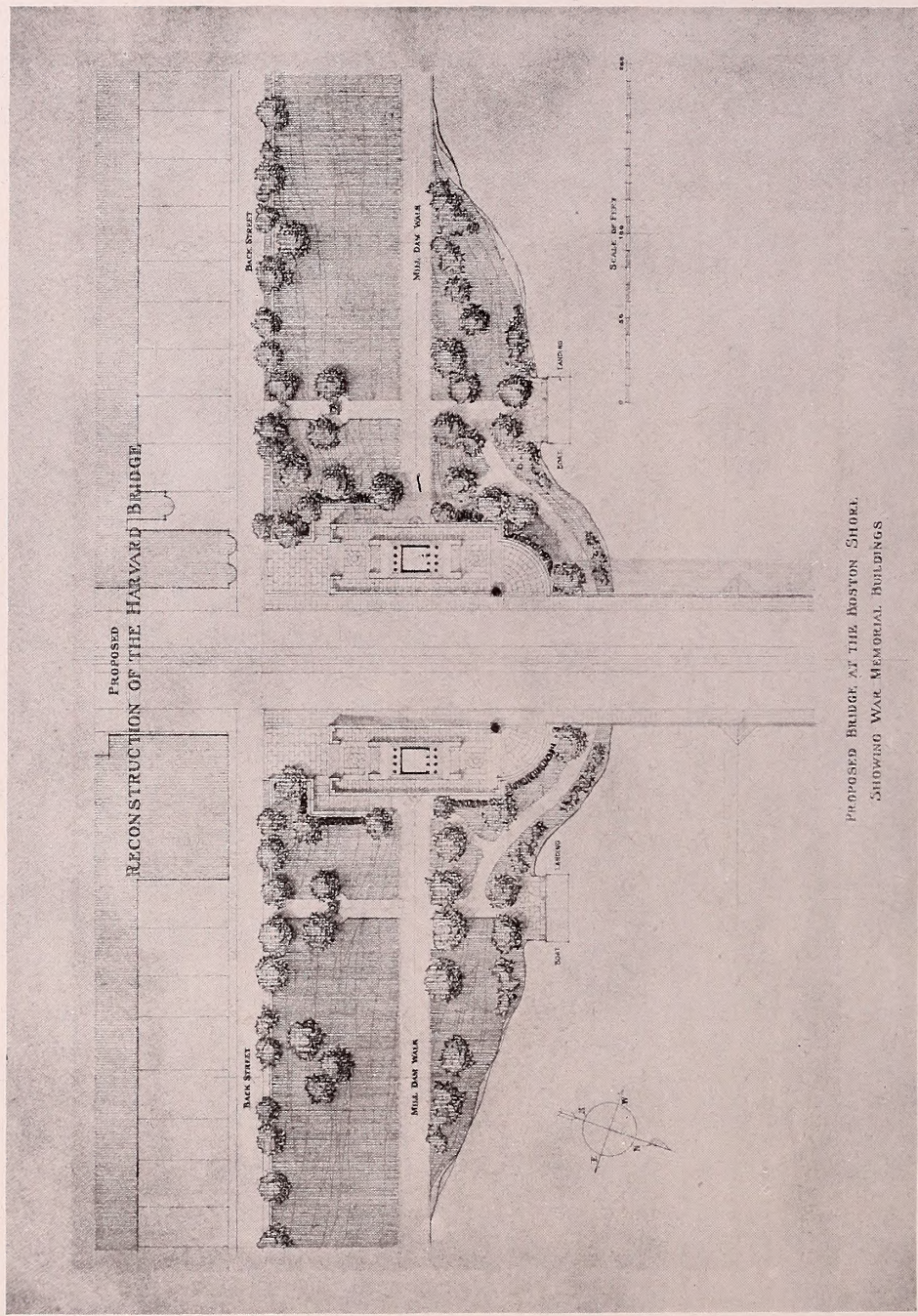
PHOTOGRAPHS TAKEN IN MEXICO CITY, 1920
Walter H. Kilham, Architect



PHOTOGRAPHS TAKEN IN MEXICO CITY, 1920
Walter H. Kilham, Architect



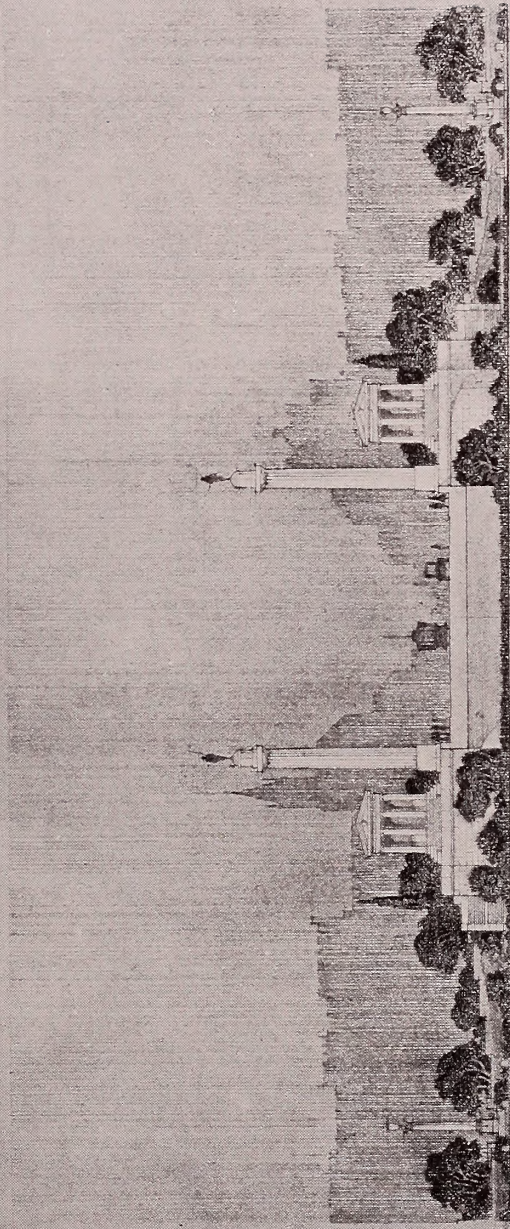
PHOTOGRAPHS TAKEN IN MEXICO CITY, 1920
Walter H. Kilham, Architect



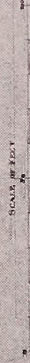
PROPOSED BRIDGE AT THE BOSTON SHORE.
SHOWING WAR MEMORIAL BUILDINGS.

Bellows and Aldrich, and Ralph W. Gray, Architects

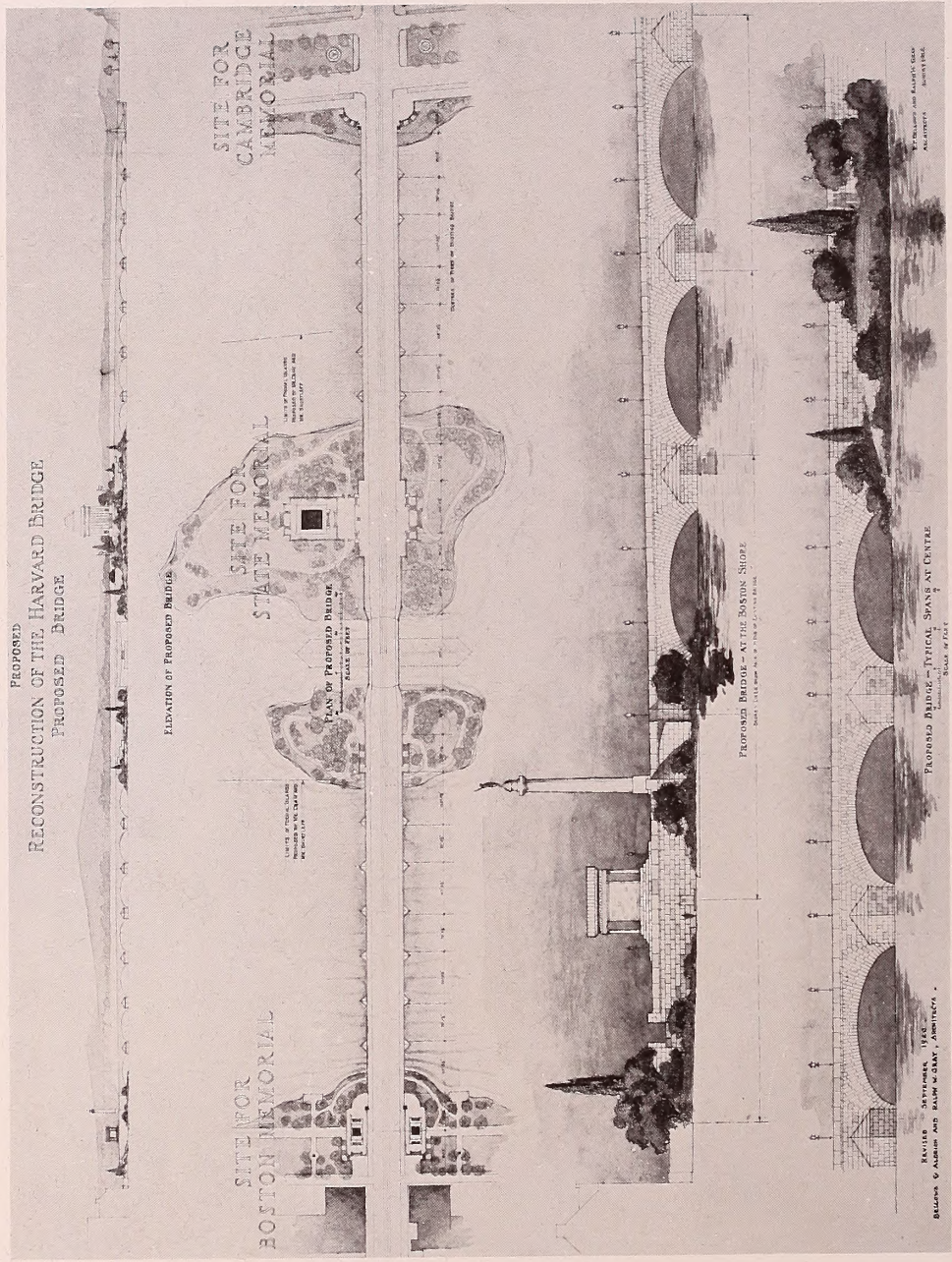
PROPOSED
RECONSTRUCTION OF THE HARVARD BRIDGE.



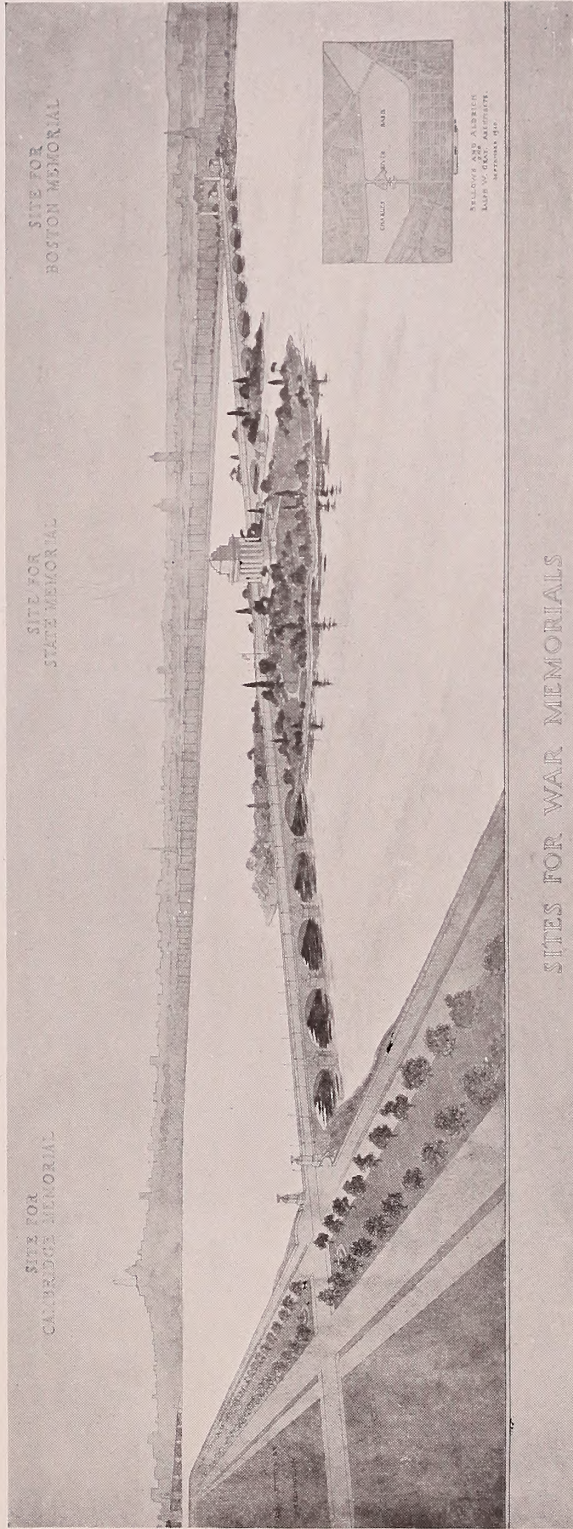
PROPOSED BRIDGE AT THE BOSTON SHORE.
SHOWING WAE MEMORIAL BUILDINGS.



Bellows and Aldrich, and Ralph W. Gray, Architects

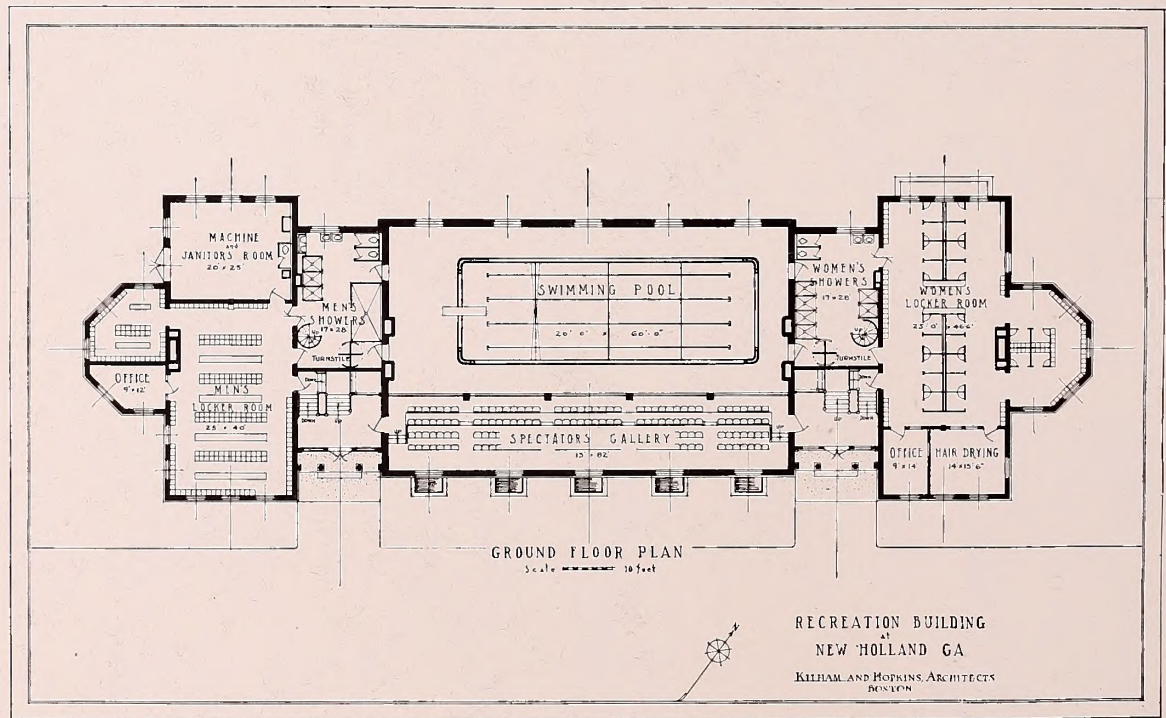
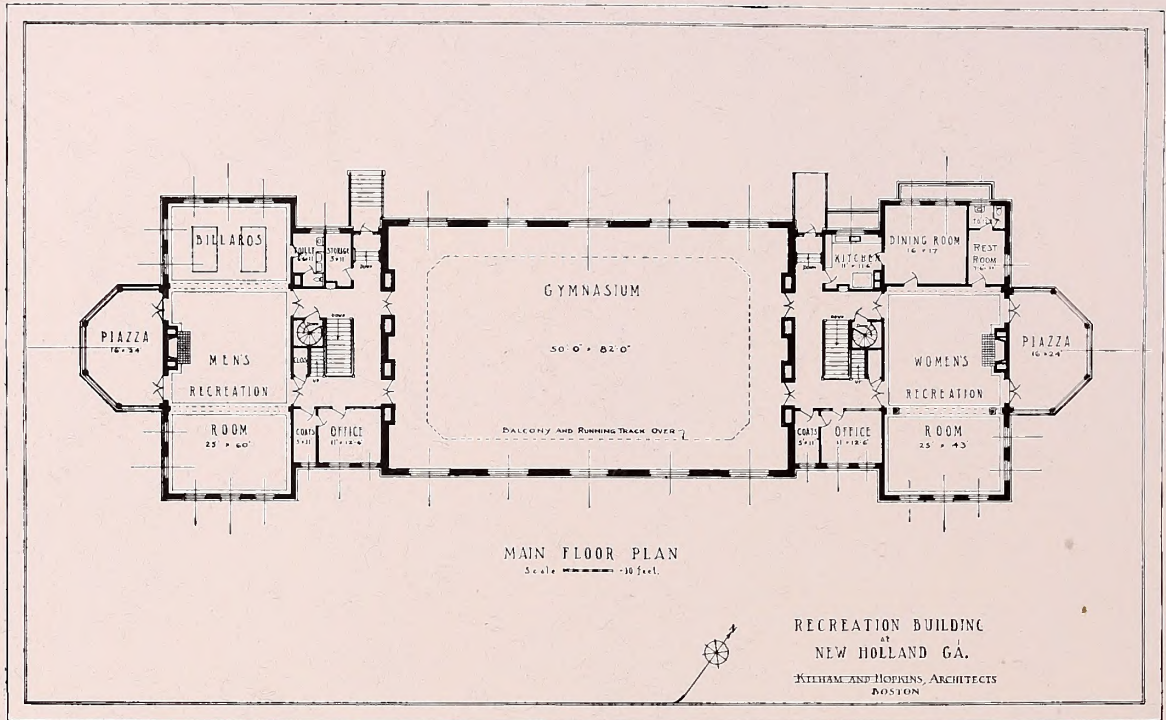


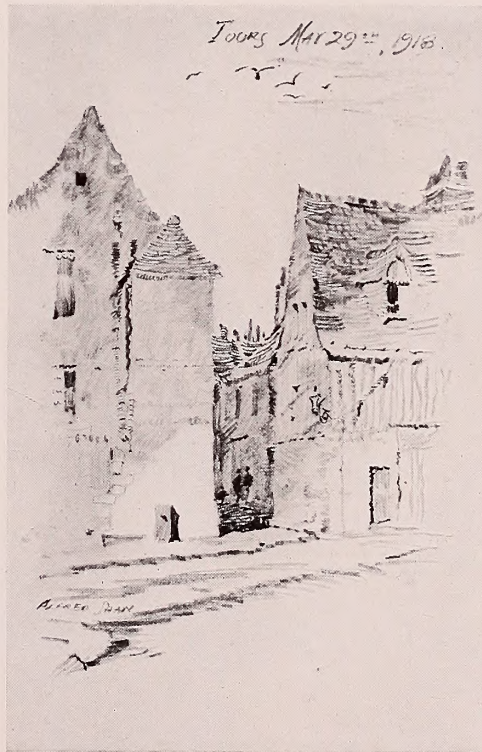
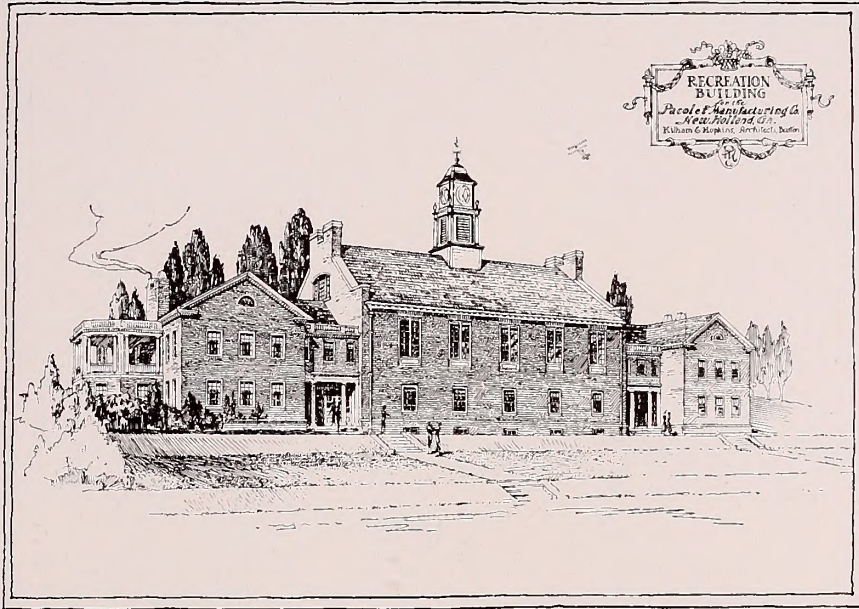
Bellows and Aldrich, and Ralph W. Gray, Architects



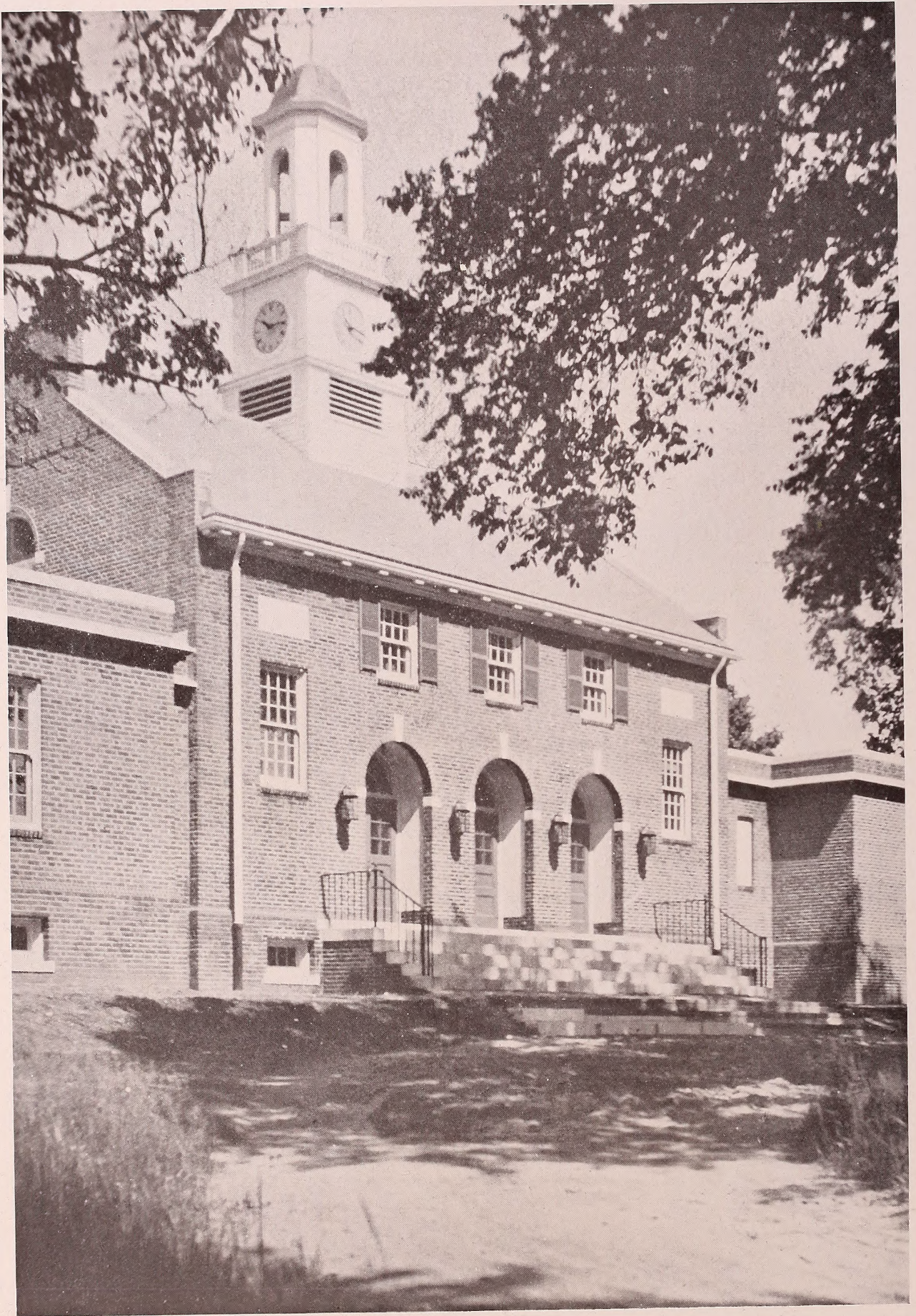
SITES FOR WAR MEMORIALS

Bellows and Aldrich, and Ralph W. Gray, Architects

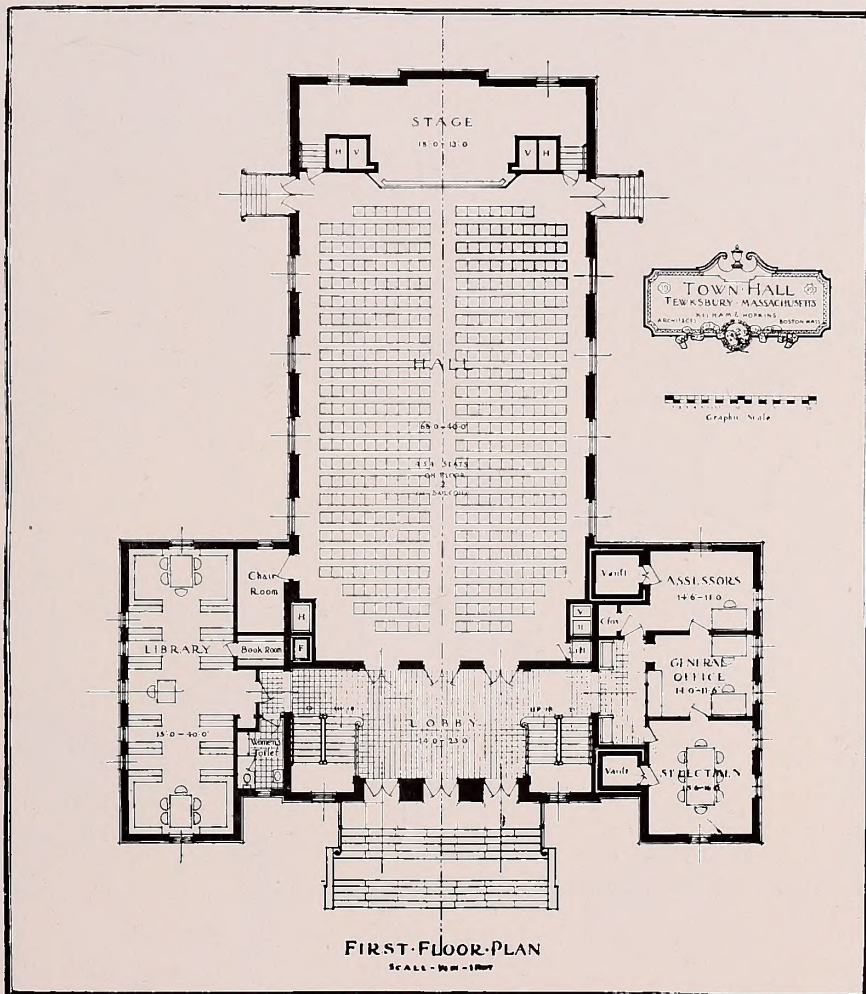
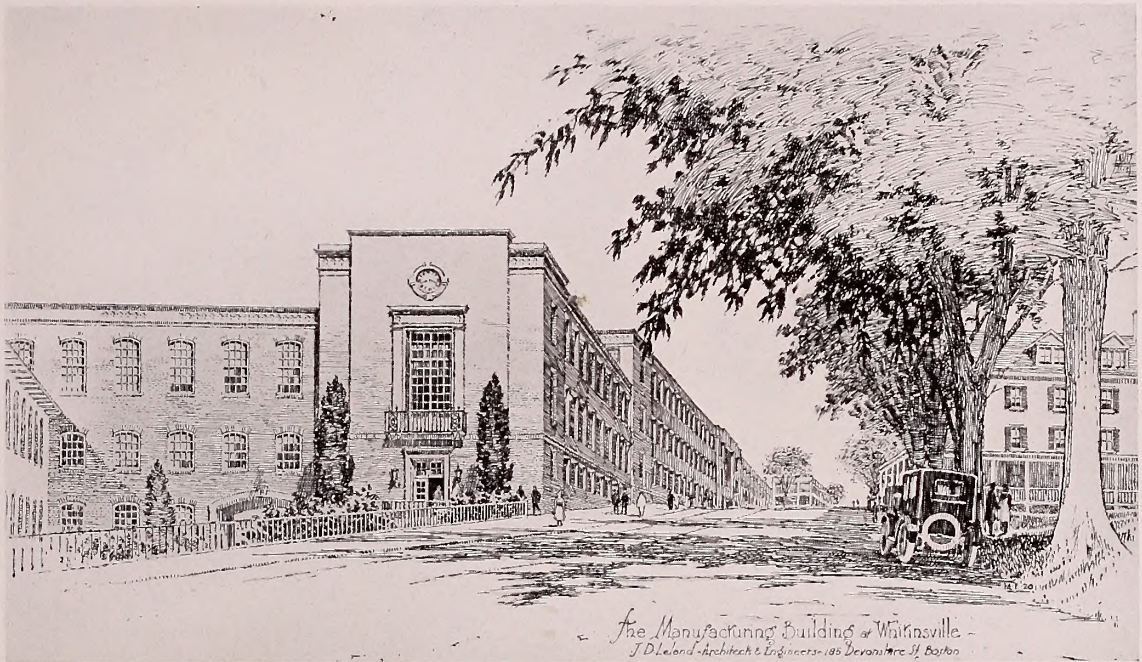




SKETCH IN FRANCE, BY ALFRED SHAW



TOWN HALL, TEWKSBURY, MASS.
Kilham and Hopkins, Architects



PLAN OF TOWN HALL, TEWKSBURY, MASS.
 Kilham and Hopkins, Architects



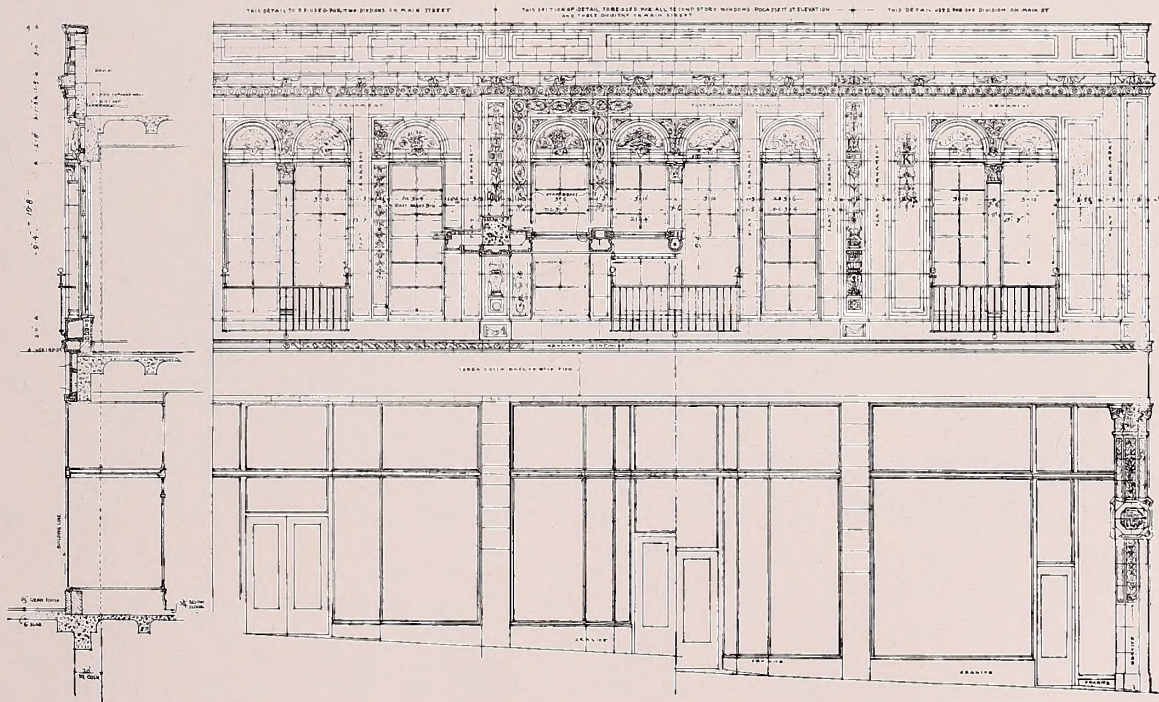
DETAIL OF BUSINESS BUILDING, FALL RIVER, MASS.

For the S. S. Kresge Company

Plans by Newhall and Blevins, Architects, Boston

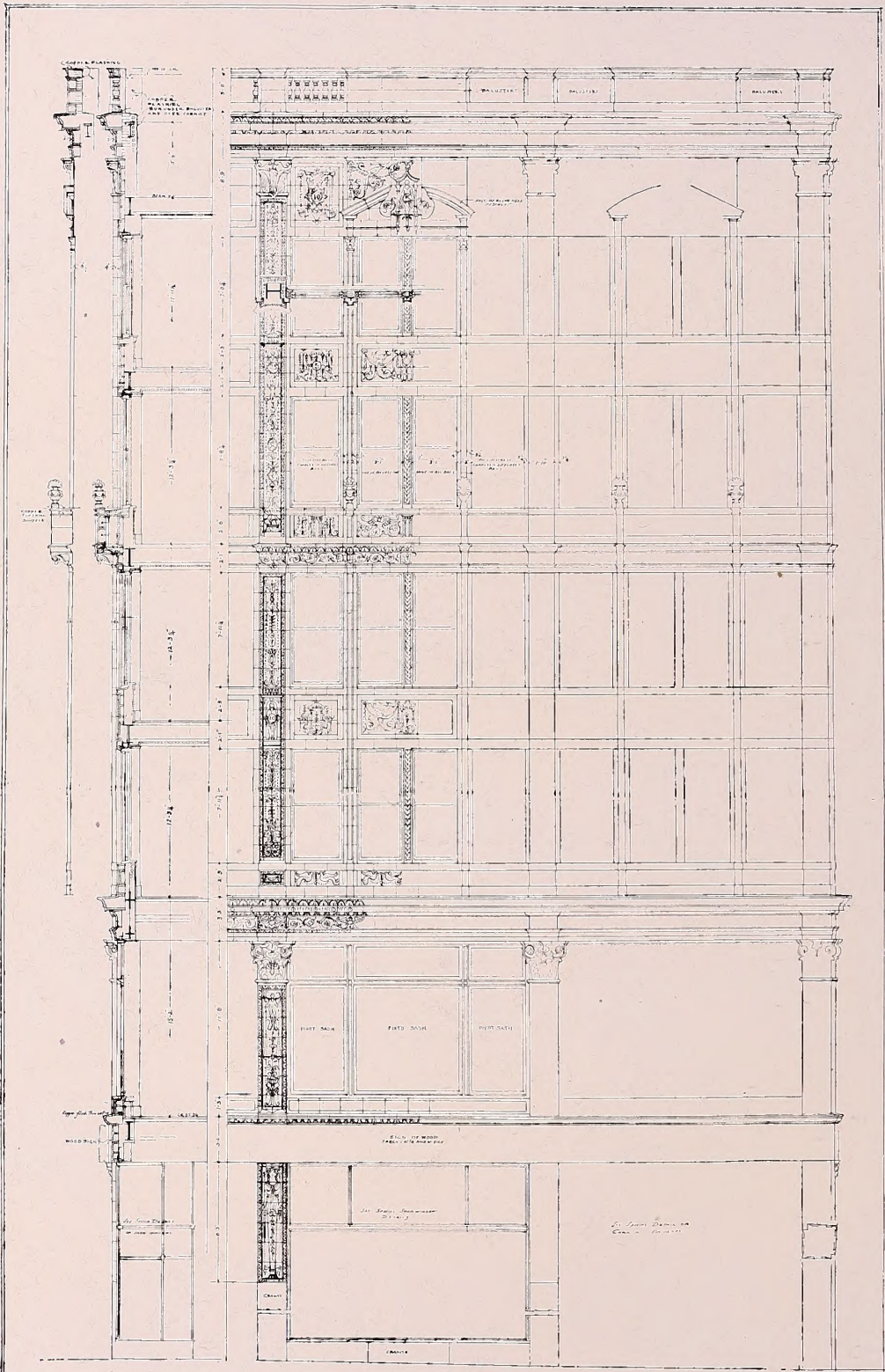


BUSINESS BUILDING, FALL RIVER, MASS.
Plans by Newhall and Blevins, Architects, Boston



ONE HALF INCH SCALE DETAILS OF ELEVATIONS

Plans by Newhall and Blevins, Architects, Boston



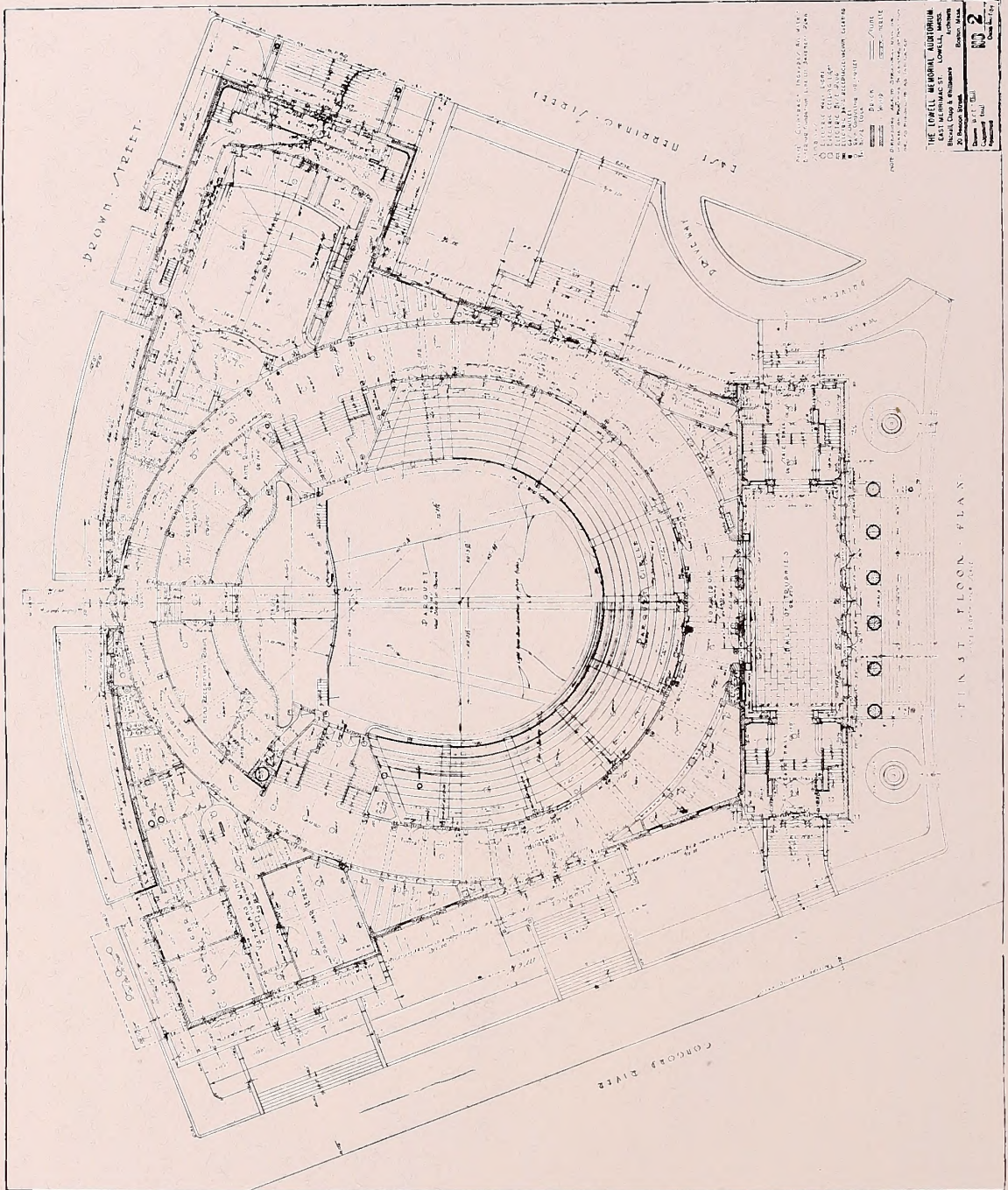
HALF INCH SCALE DETAIL
 TERRA-COTTA

BY BUILDING FOR S. S. KRESGE COMPANY - BOSTON - MASS

Newhall and Blevins, Architects, Boston

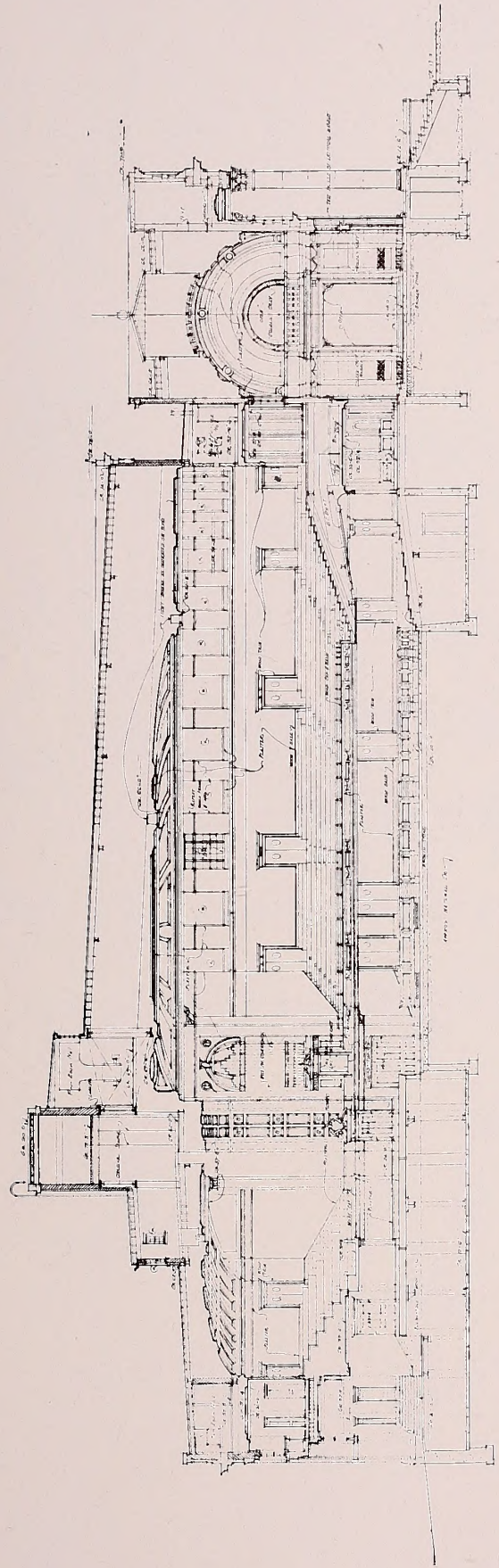


DETAIL OF BUILDING, CORNER OF TEMPLE PLACE AND WASHINGTON STREET, BOSTON, MASS.
Newhall and Blevins, Architects, Boston



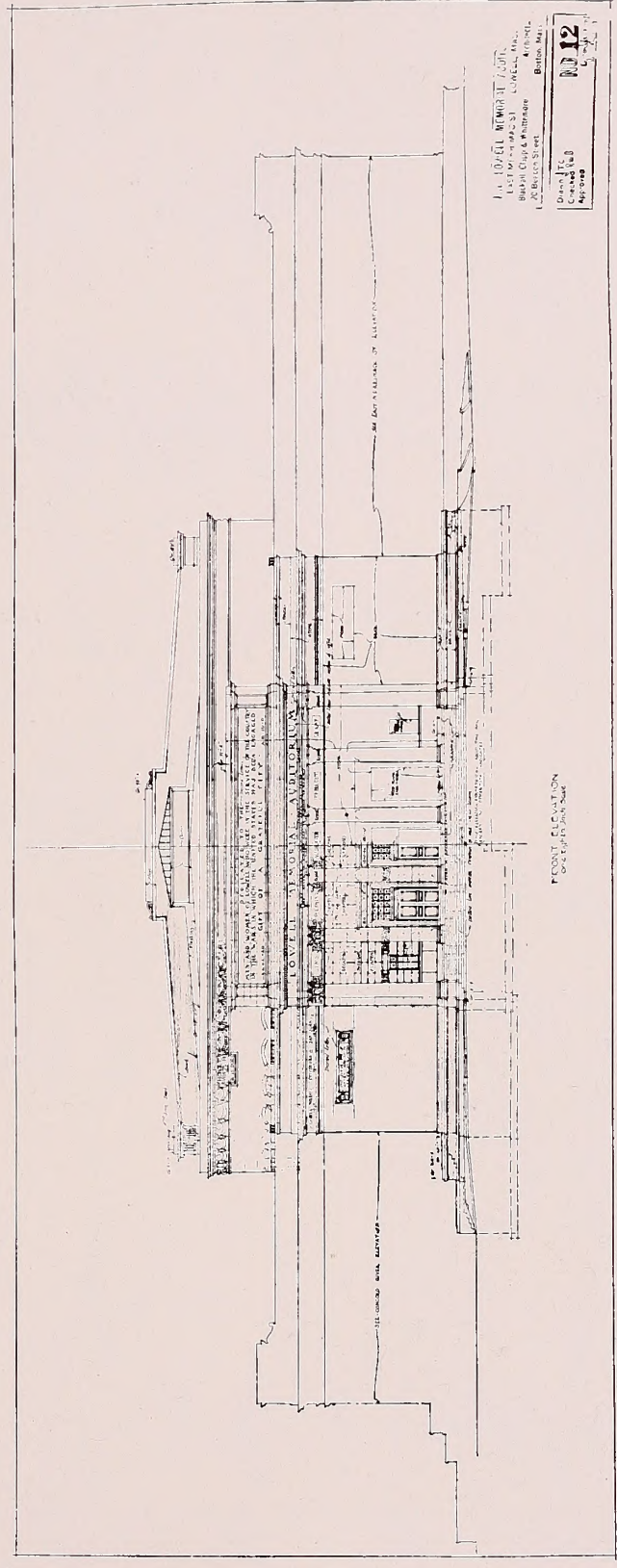
PLAN OF MEMORIAL BUILDING, LOWELL, MASS.
 Blackall, Clapp and Whittemore, Architects

SECTION THROUGH CHURCH PORCH



LONGITUDINAL SECTION

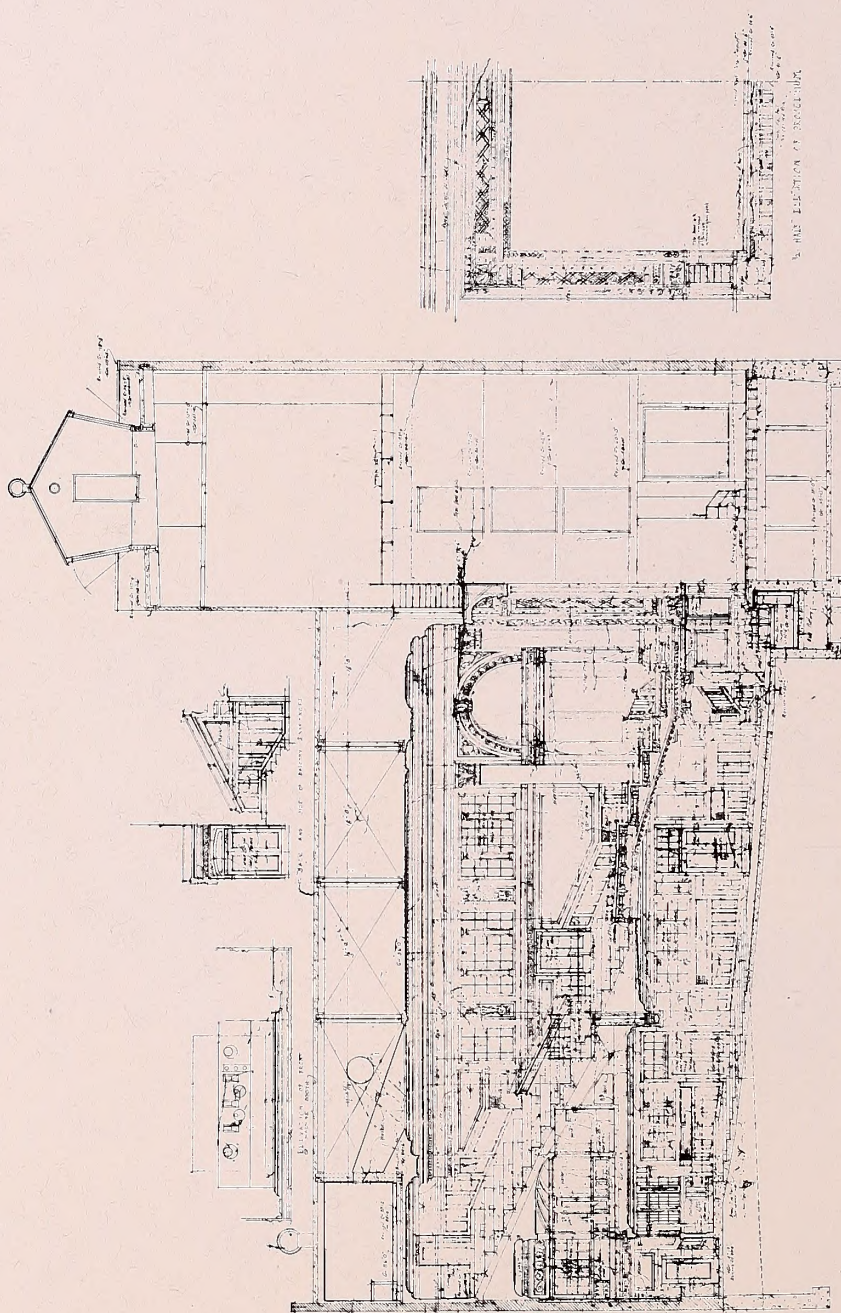
PROFILE OF RISERS, ISK. AND
EXTERIOR STONE STEPS



FRONT ELEVATION
ONE EIGHTY TWO FEET

J. H. LOWELL MEMORIAL BUILDING
DESIGNED BY
BLACKALL, CLAPP & WHITTENMORE
120 BRIDGE STREET
BOSTON, MASS.
DRAWN BY
C. H. BROWN
APPROVED
J. H. LOWELL

MEMORIAL BUILDING, LOWELL, MASS.
Blackall, Clapp and Whittenmore, Architects

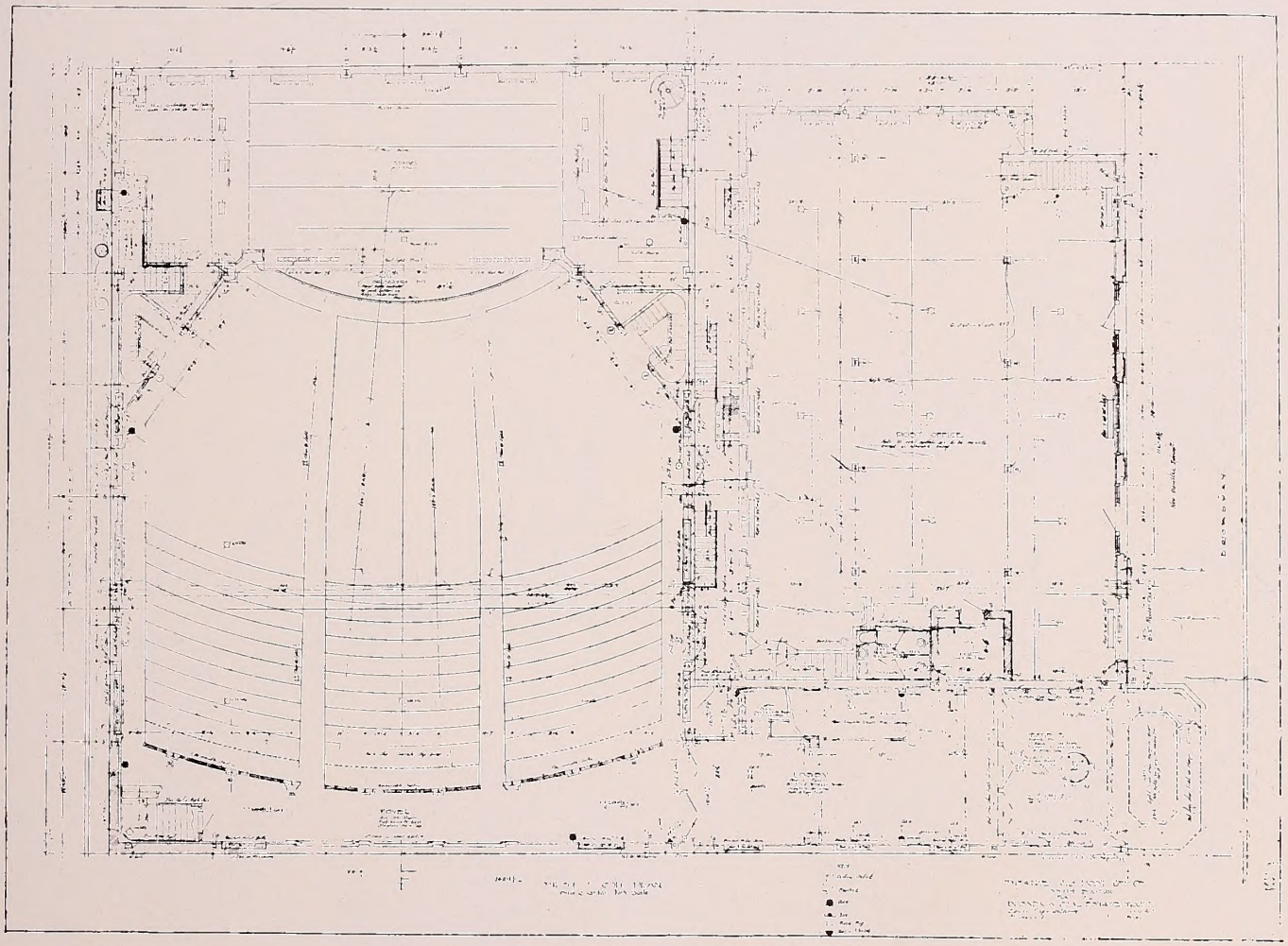
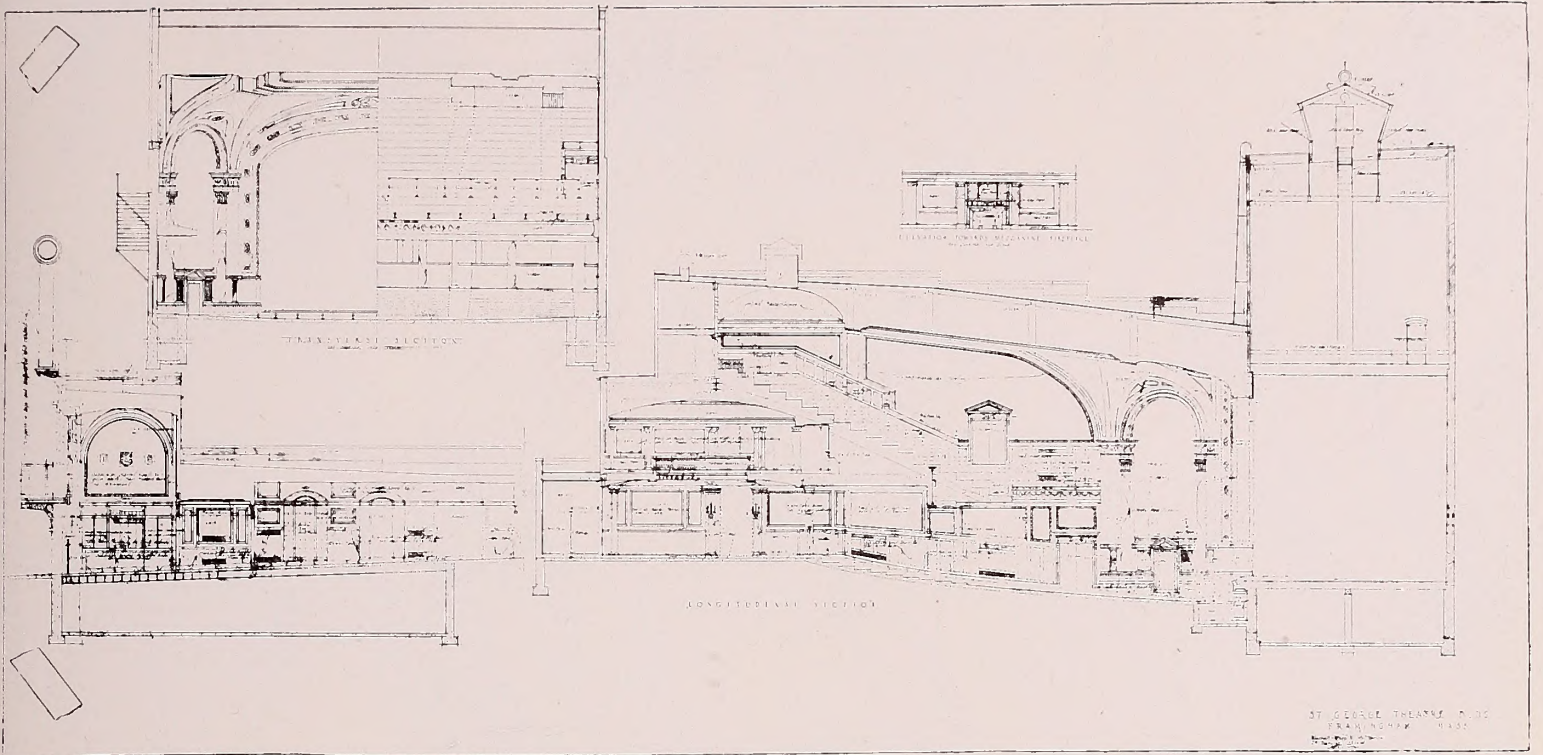


SECTION THROUGH AUDITORIUM AND STAGE

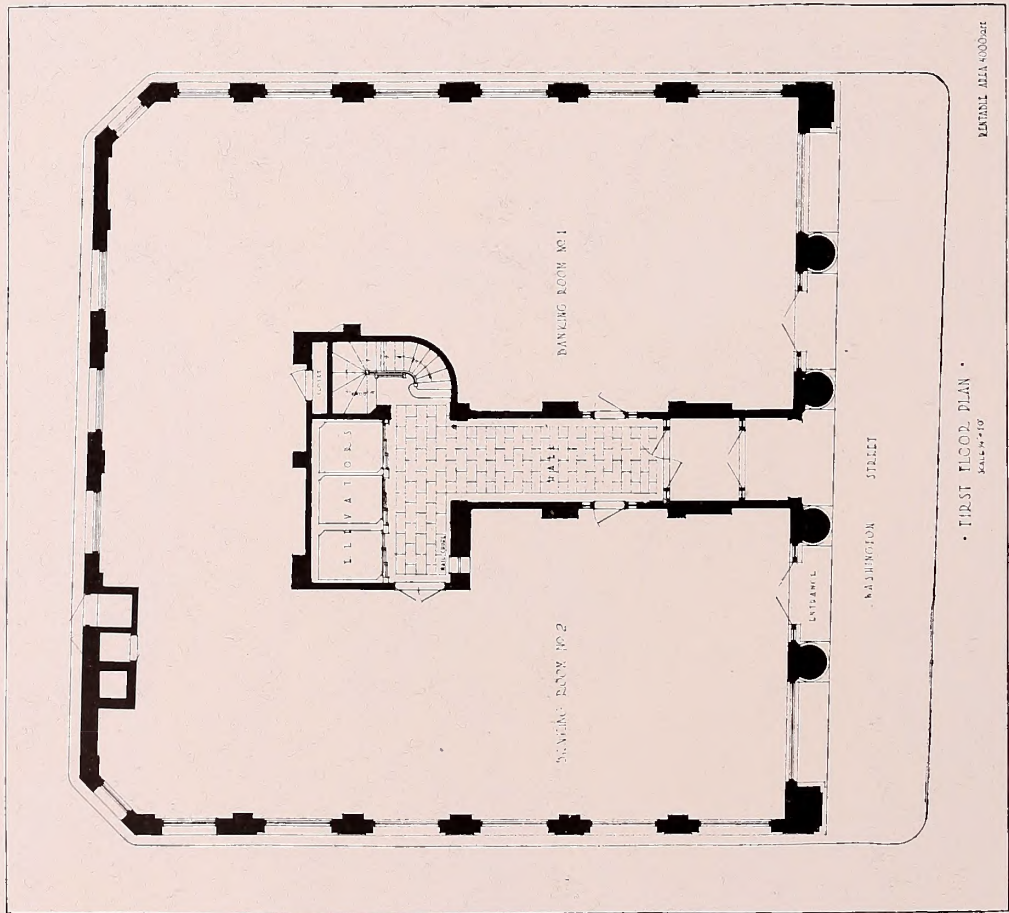
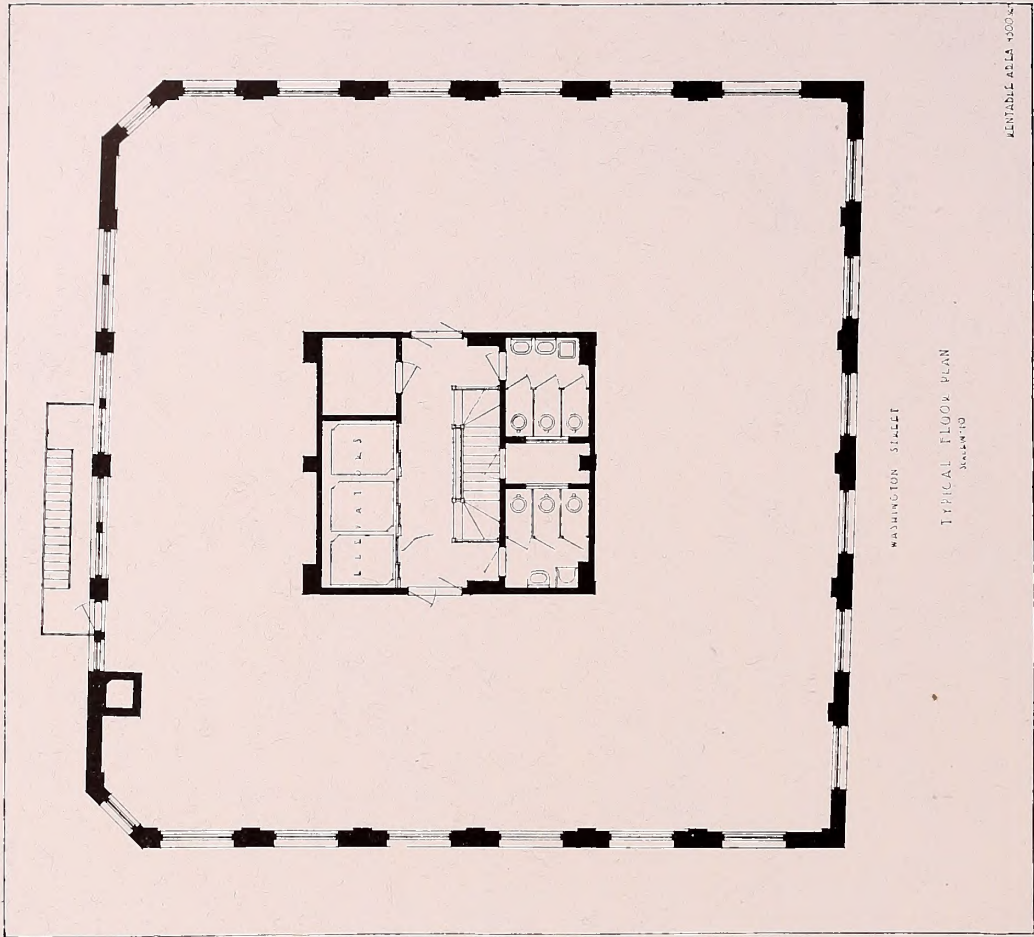
A HALF SECTION AT CORNER

THEATRE AND POST OFFICE
 SOUTH BOSTON
 DRAWING BY H. H. CLAPP
 IN PART BY J. H. WHITMORE

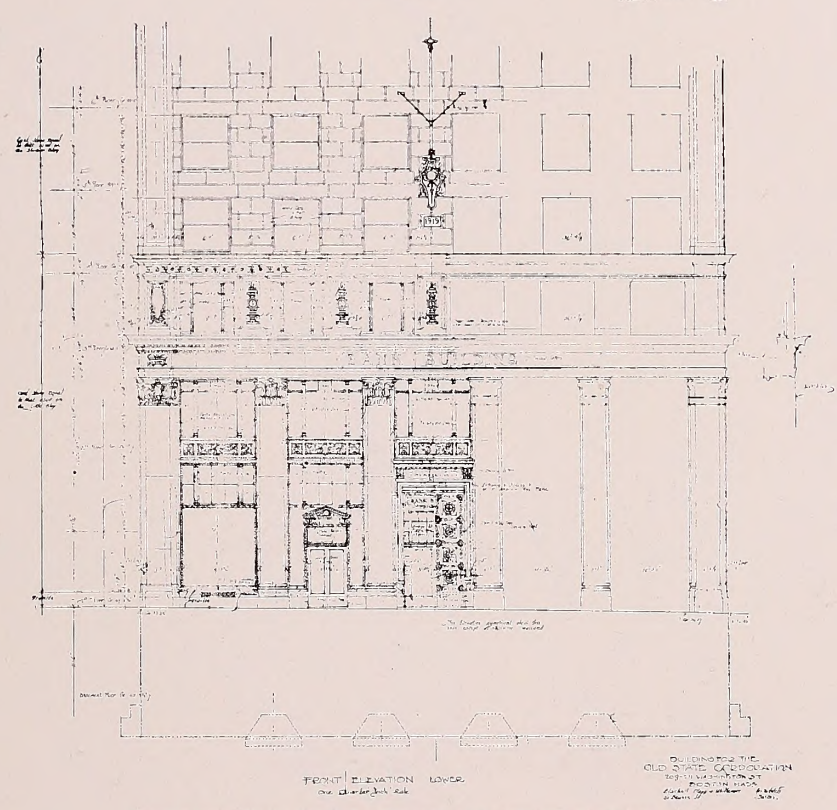
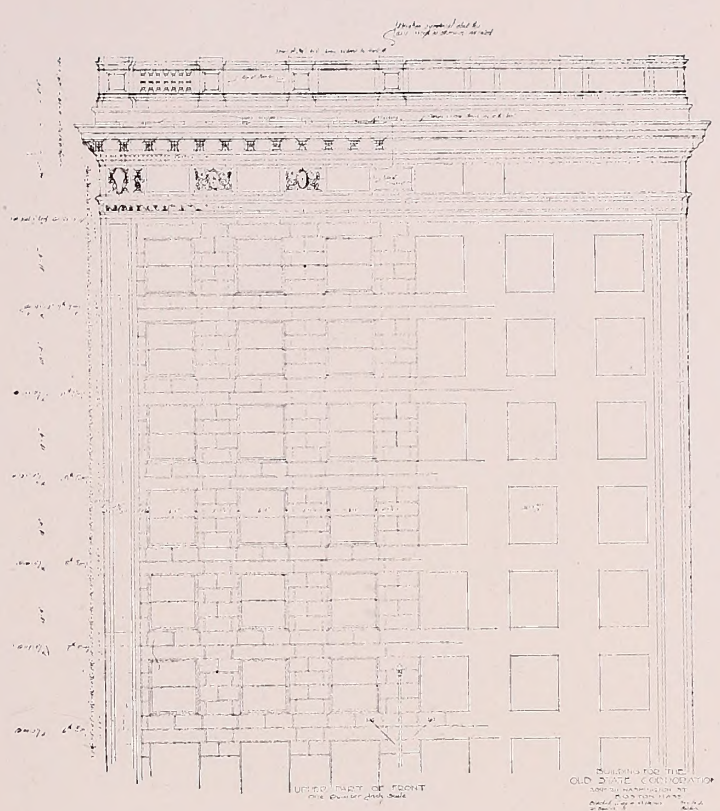
THEATRE, SOUTH BOSTON
 Blackall, Clapp and Whittemore, Architects



THEATRE SOUTH BOSTON
Blackall, Clapp and Whittemore, Architects



PLANS OF BUILDING FOR OLD STATE CORPORATION, BOSTON, MASS.
 Blackall, Clapp and Whittemore, Architects



BUILDING FOR OLD STATE CORPORATION, BOSTON, MASS.
Blackall, Clapp and Whittemore, Architects

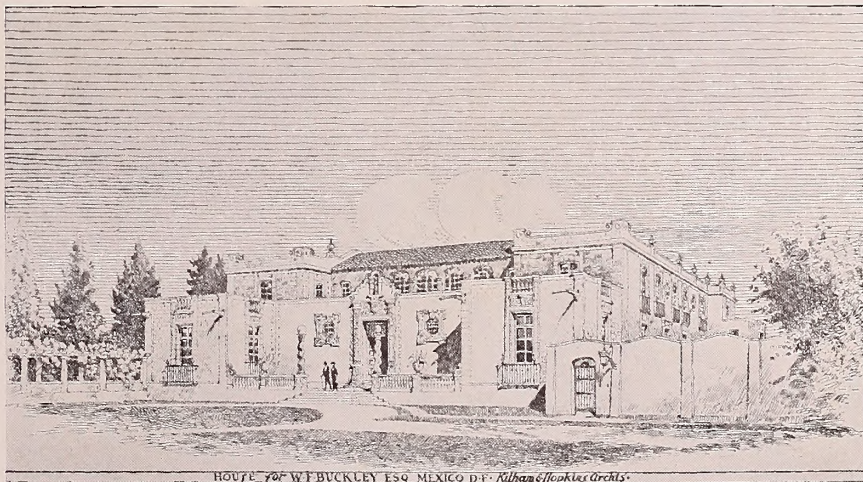
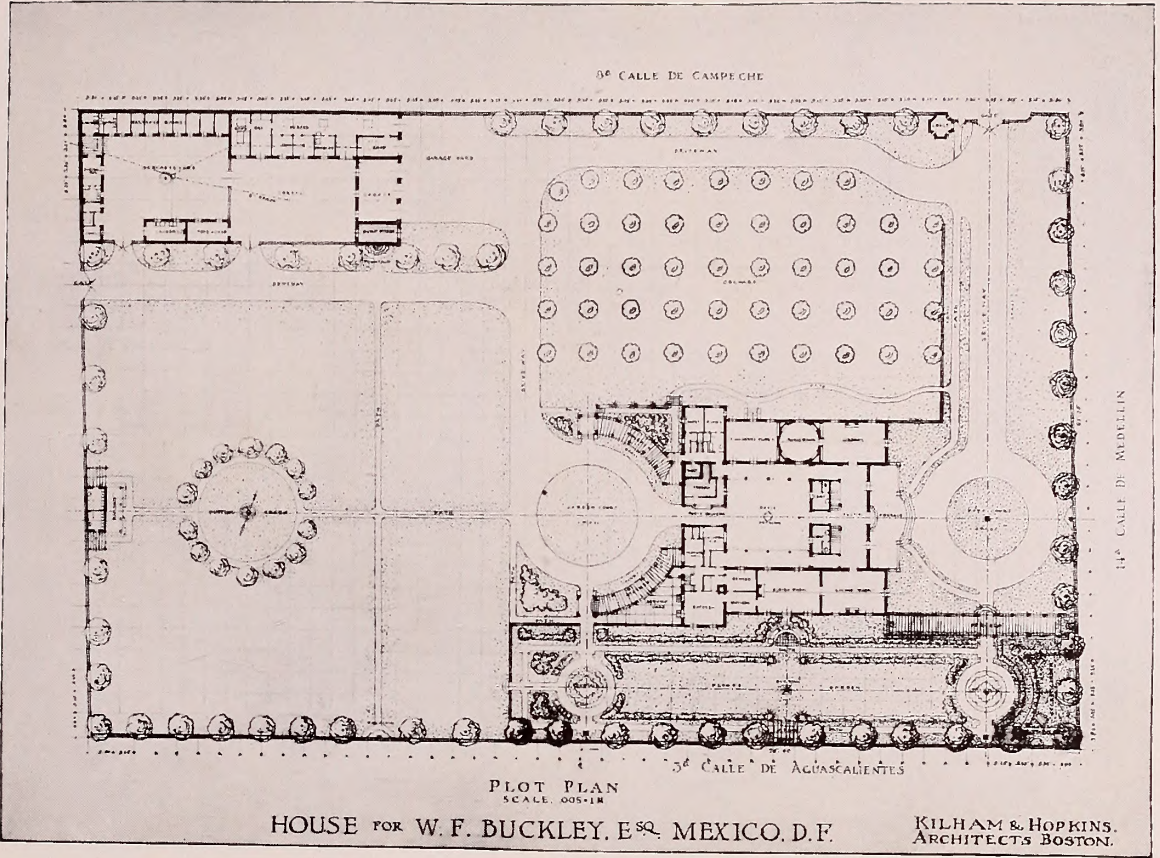


Kilham and Hopkins, Architects

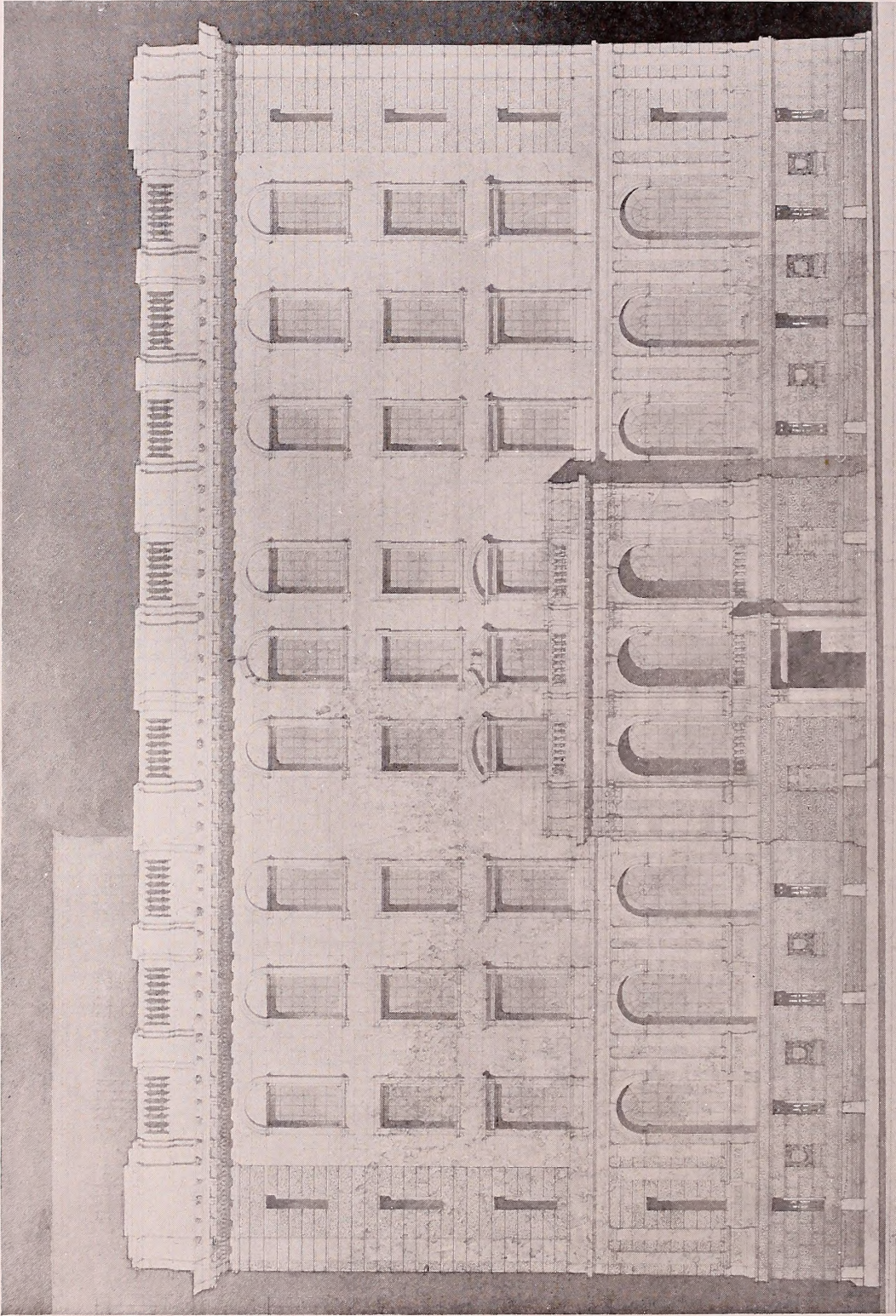


THE PROPOSED IMPROVEMENTS IN THE PARISH HOUSE - CHRIST CHURCH - ANDOVER - VIEW FROM CENTRAL ST.

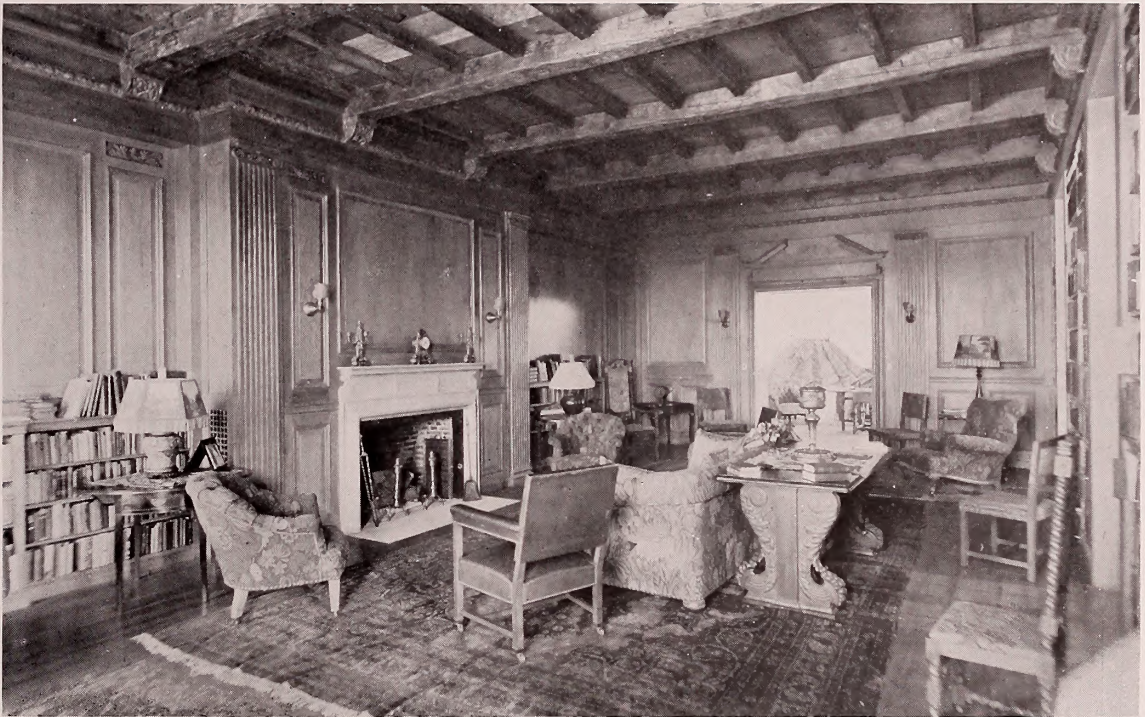
Ripley and Le Boutillier, Architects, Boston



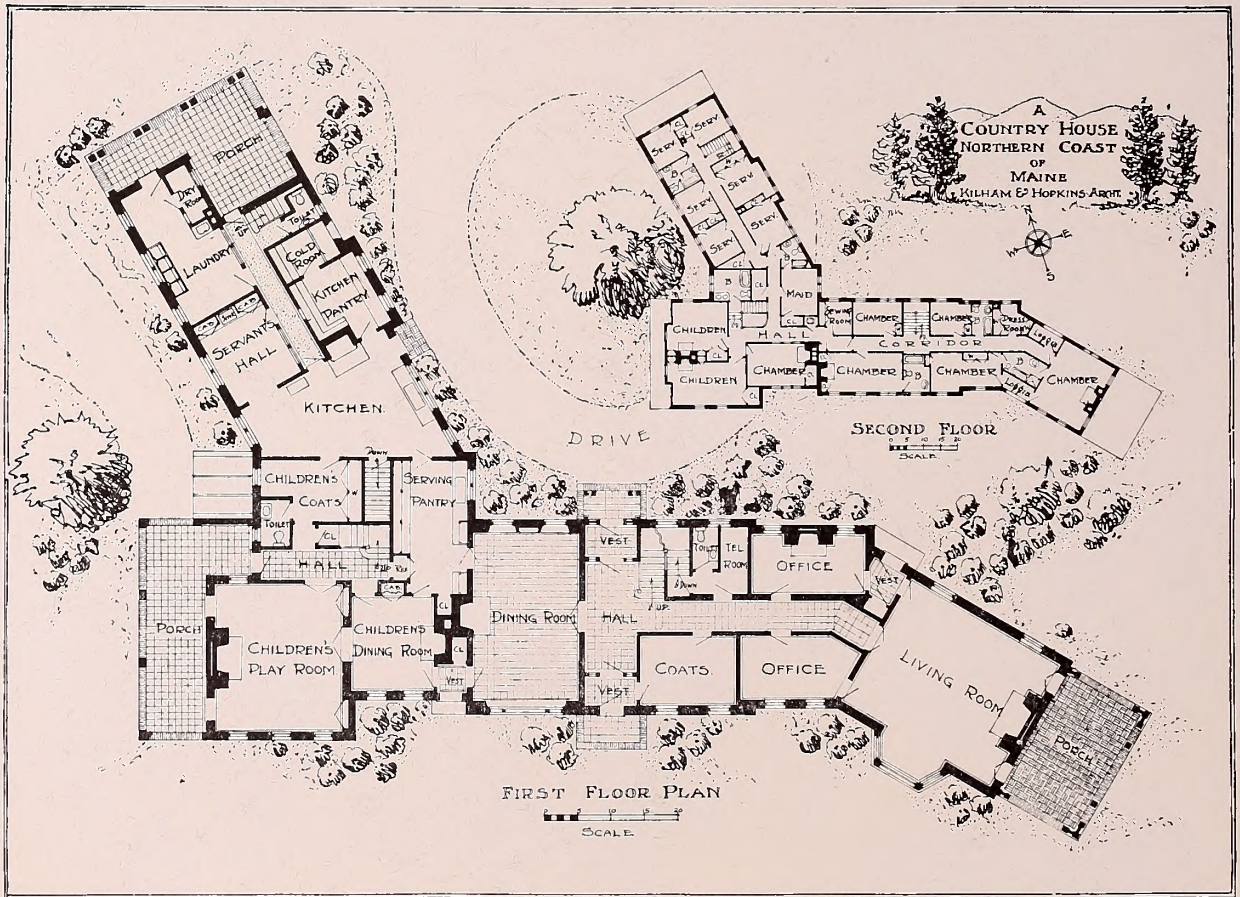
Kilham and Hopkins, Architects, Boston



FEDERAL RESERVE BANK, BOSTON, MASS.
R. Clipston Sturgis, Architect, Boston



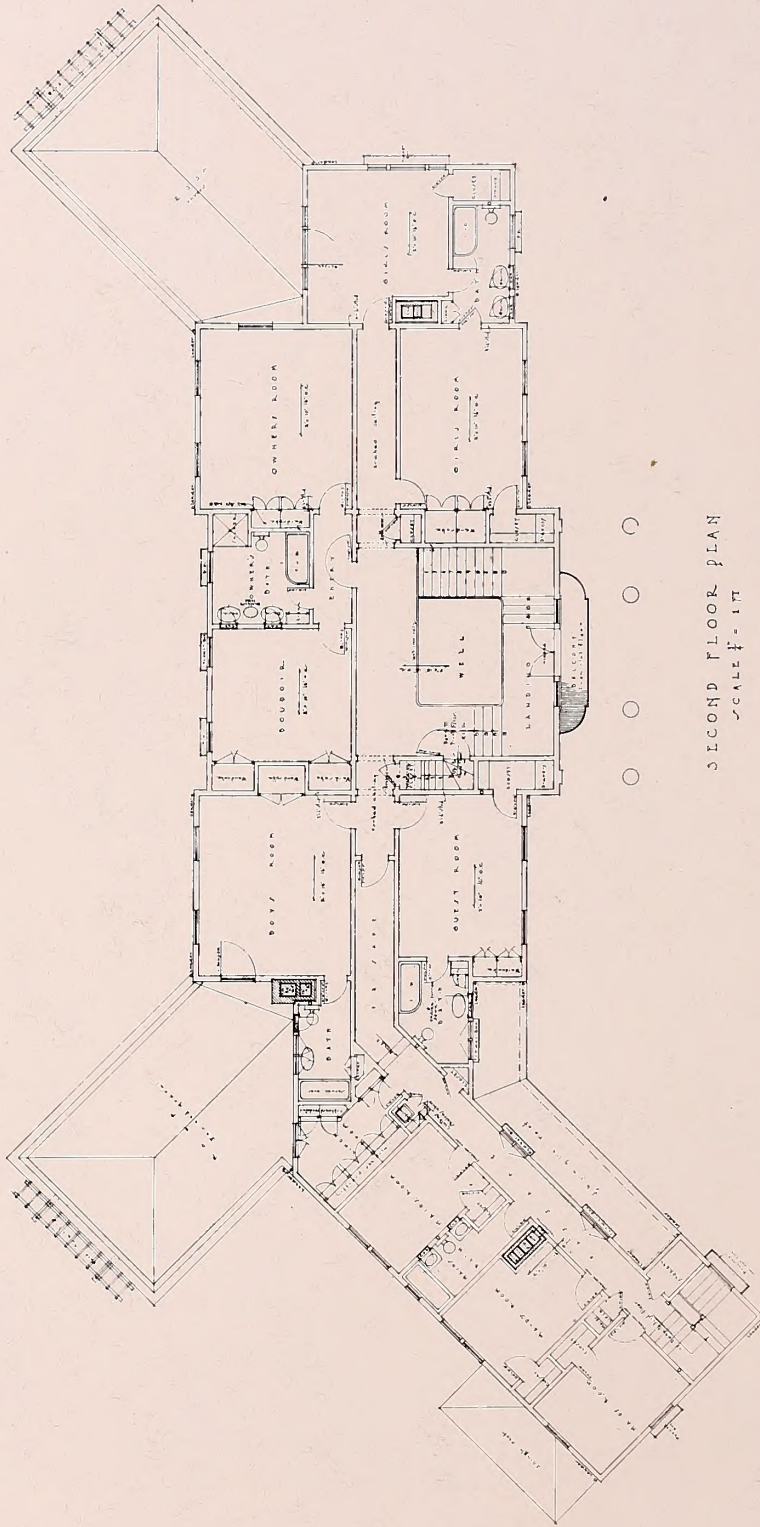
HOUSE IN MILTON MASS.
R. Clipston Sturgis, Architect, Boston



Kilham and Hopkins, Architects, Boston



HOUSE OF THEODORE L. SHAW, ESQ., CHARLES RIVER, MASS.
H. B. Russell, Architect

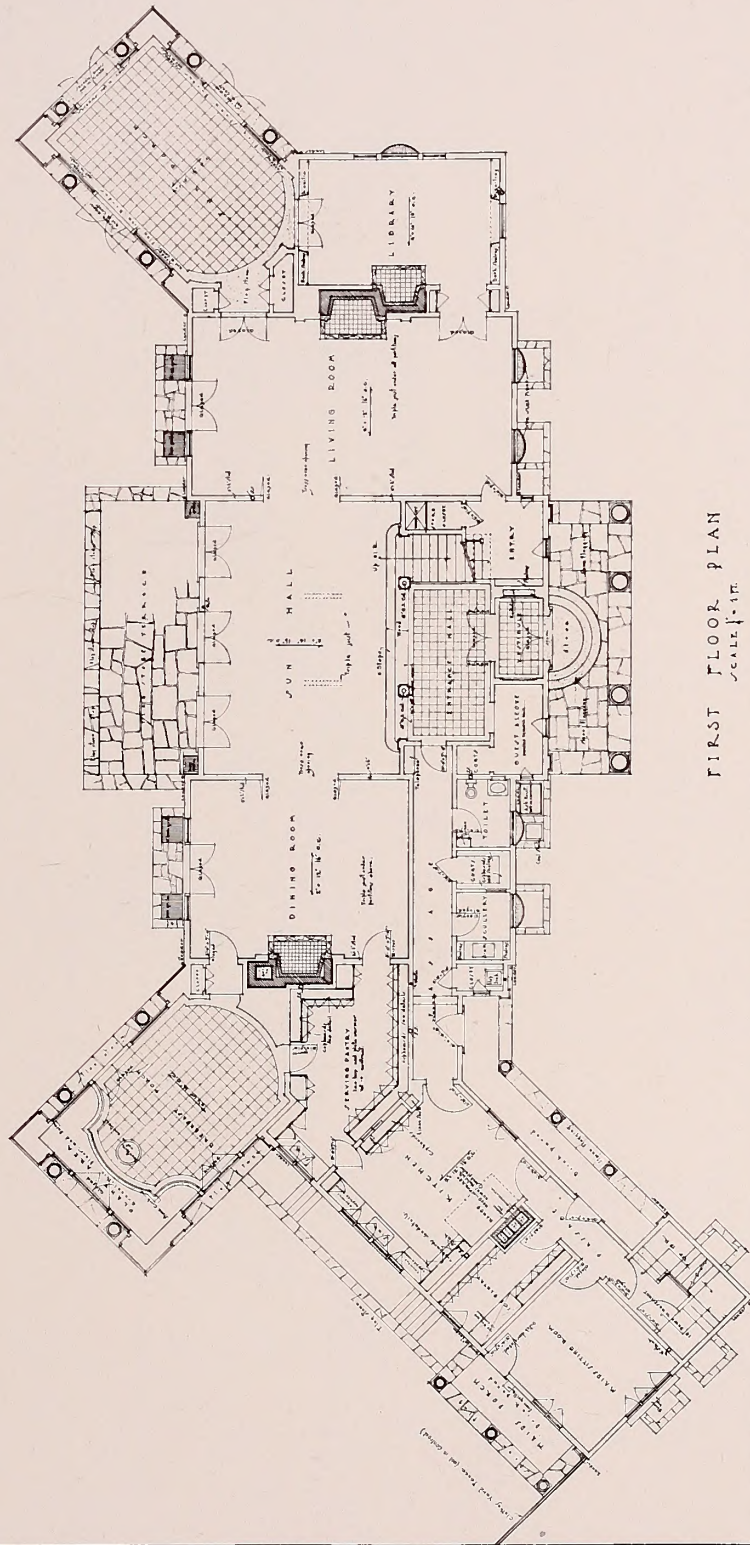


SECOND FLOOR PLAN
SCALE 1/4" = 1'-0"

W. H. HARRIS ARCHT. CO.
1725 BROADWAY, N. Y. C.

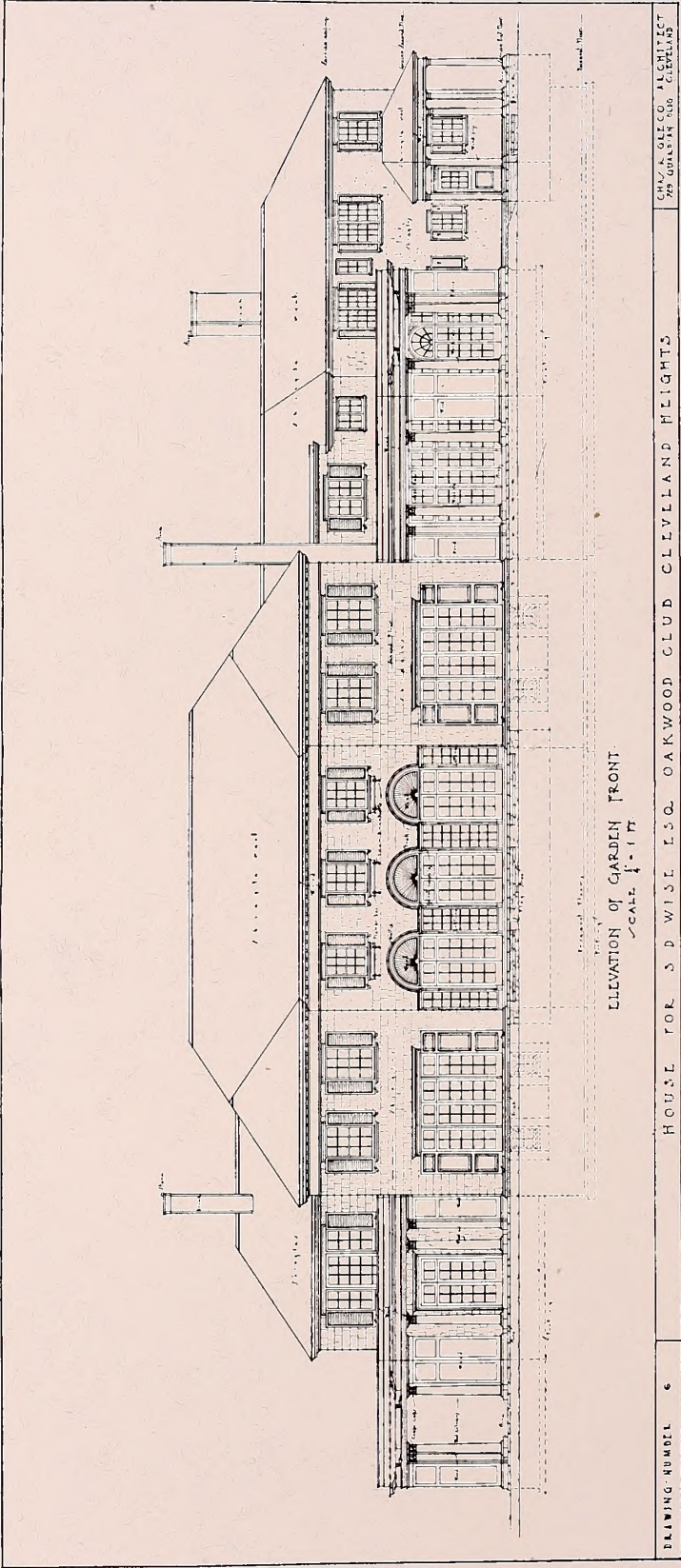
HOUSE FOR J. P. WISEL E.S.G. OAKWOOD CLUB CLEVELAND HEIGHTS

DRAWING NUMBER 2



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

DRAWING NUMBER... 2... HOUSE FOR S. D. WISE 150 OAKWOOD CLUB CLEVELAND HEIGHTS. CRAJ R. ORICO ARCHITECT. 250 EAST 12TH CLEVELAND

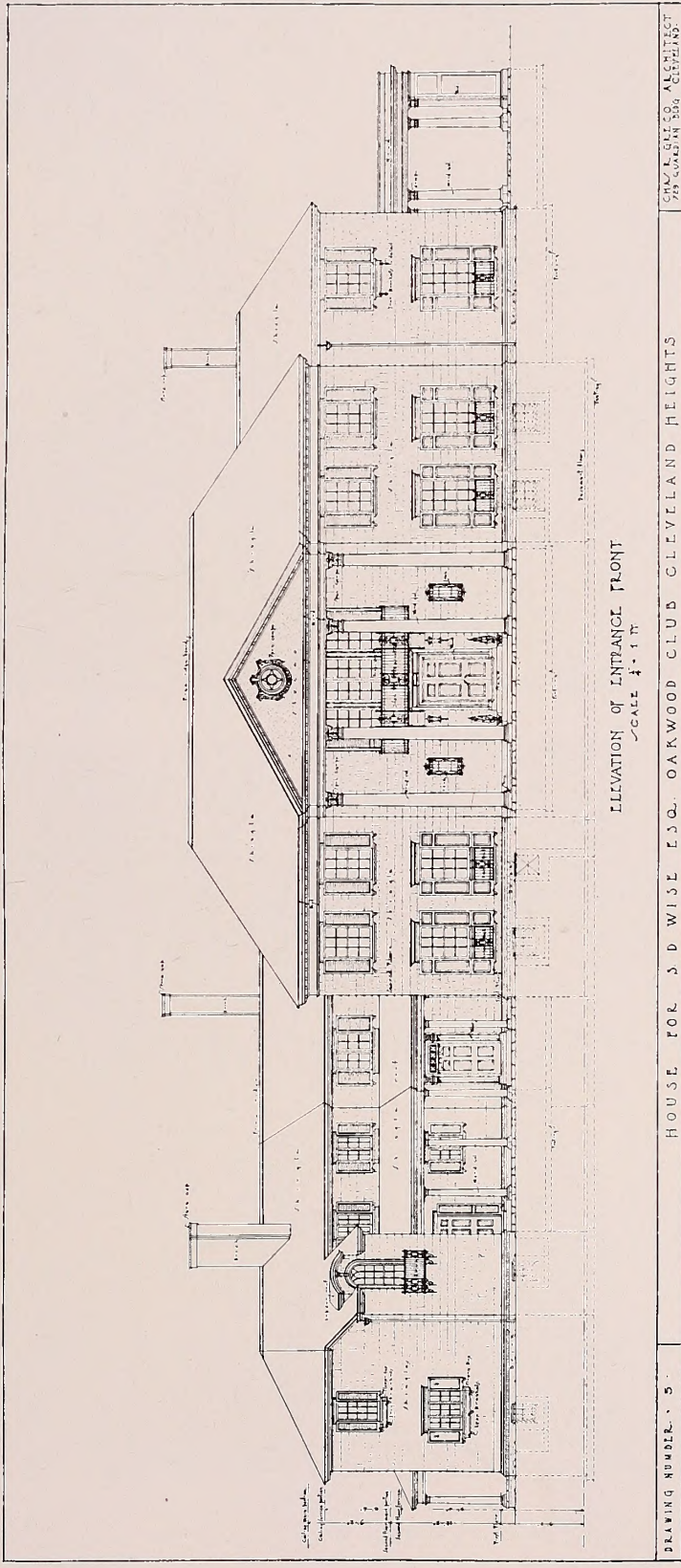


ELEVATION OF GARDEN FRONT
 SCALE 1/4" = 1 FT.

HOUSE FOR S D WISE ESQ OAKWOOD CLUD CLEVELAND HEIGHTS.

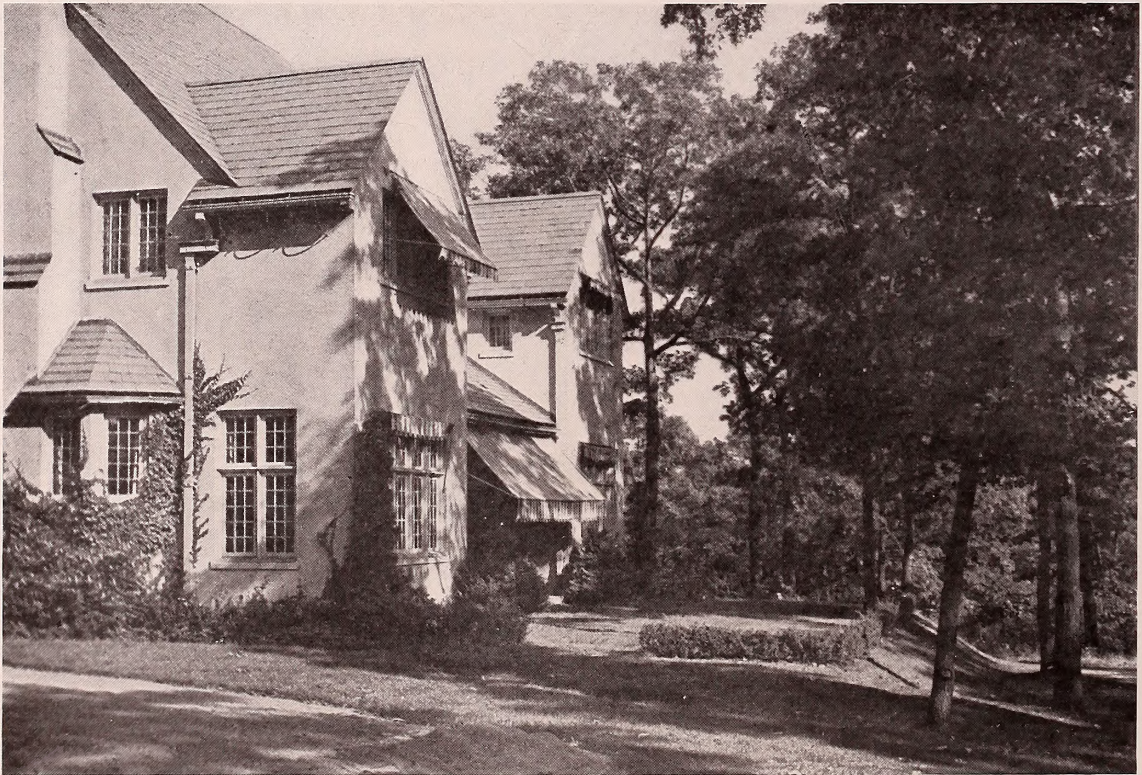
CHAS. A. GLECO. ARCHITECT
 225 BRUSH ST. CLEVELAND

DRAWING NUMBER 6



ELEVATION OF ENTRANCE FRONT
SCALE 1/4" = 1'-0"

DRAWING NUMBER . 5 . HOUSE FOR J D WISE ESQ. OAKWOOD CLUB CLEVELAND HEIGHTS
CRAWFORD & CO. ARCHITECTS
719 KALAMAZOO BLDG. CLEVELAND



COUNTRY HOUSE
Ripley and Le Boutillier, Architects, Boston



COUNTRY HOUSE
Ripley and Le Boutillier, Architects, Boston



APARTMENTS, BOSTON, MASS.
Richard Arnold Fisher, Architect, Boston



COURT IN APARTMENT BUILDING
Richard Arnold Fisher, Architect, Boston

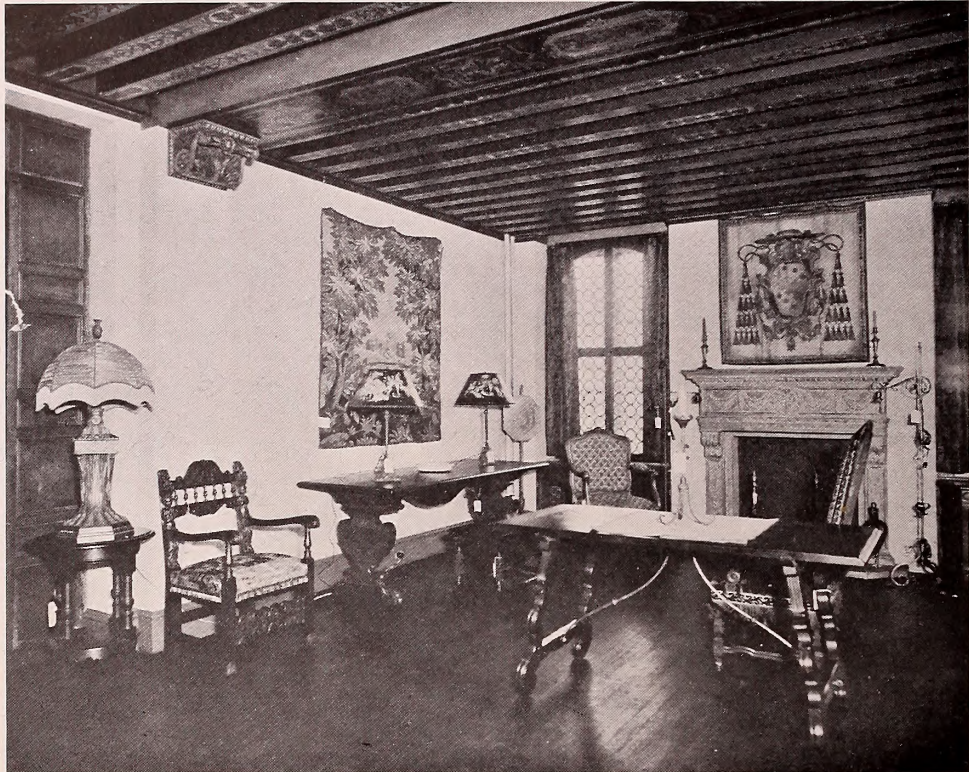


INTERIOR BUSINESS PREMISES
Pennell, Gibbs and Quiring, Boston



GARDEN

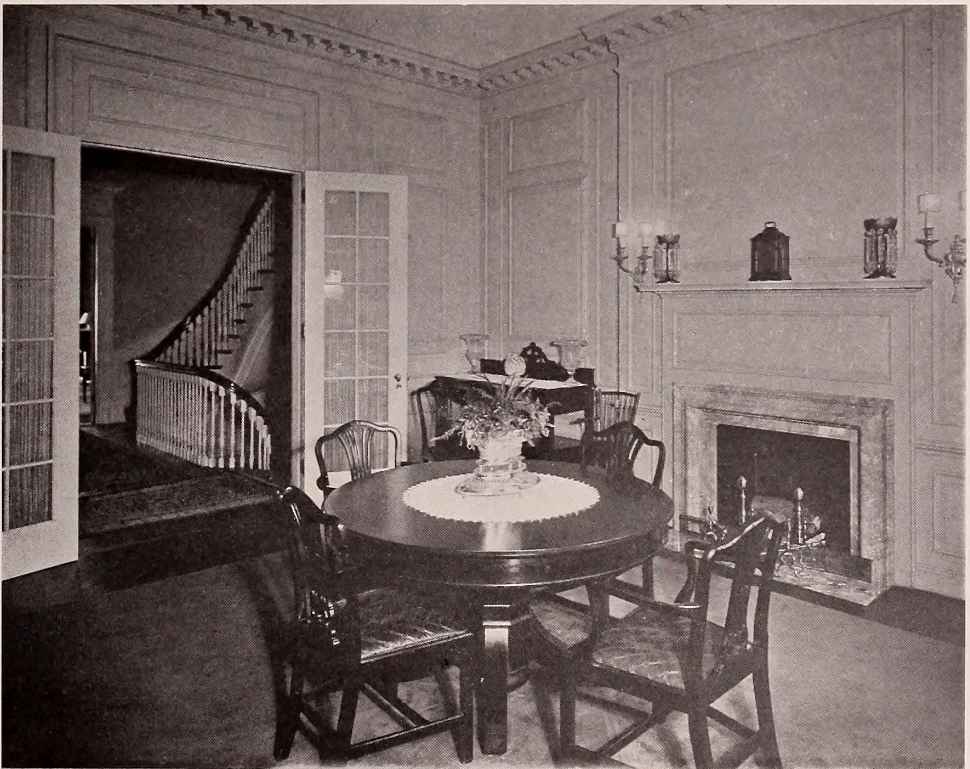
J. D. Leland, Architect and Engineer



ITALIAN ROOM WITH PAINTED CEILING
Designed by Carroll Bill of Irving & Casson — A. H. Davenport Co.



ENGLISH ROOM WITH PLASTER CEILING
Designed by P. G. Gulbranson of Irving & Casson — A. H. Davenport Co.





Bellows and Aldrich, Architects, Boston



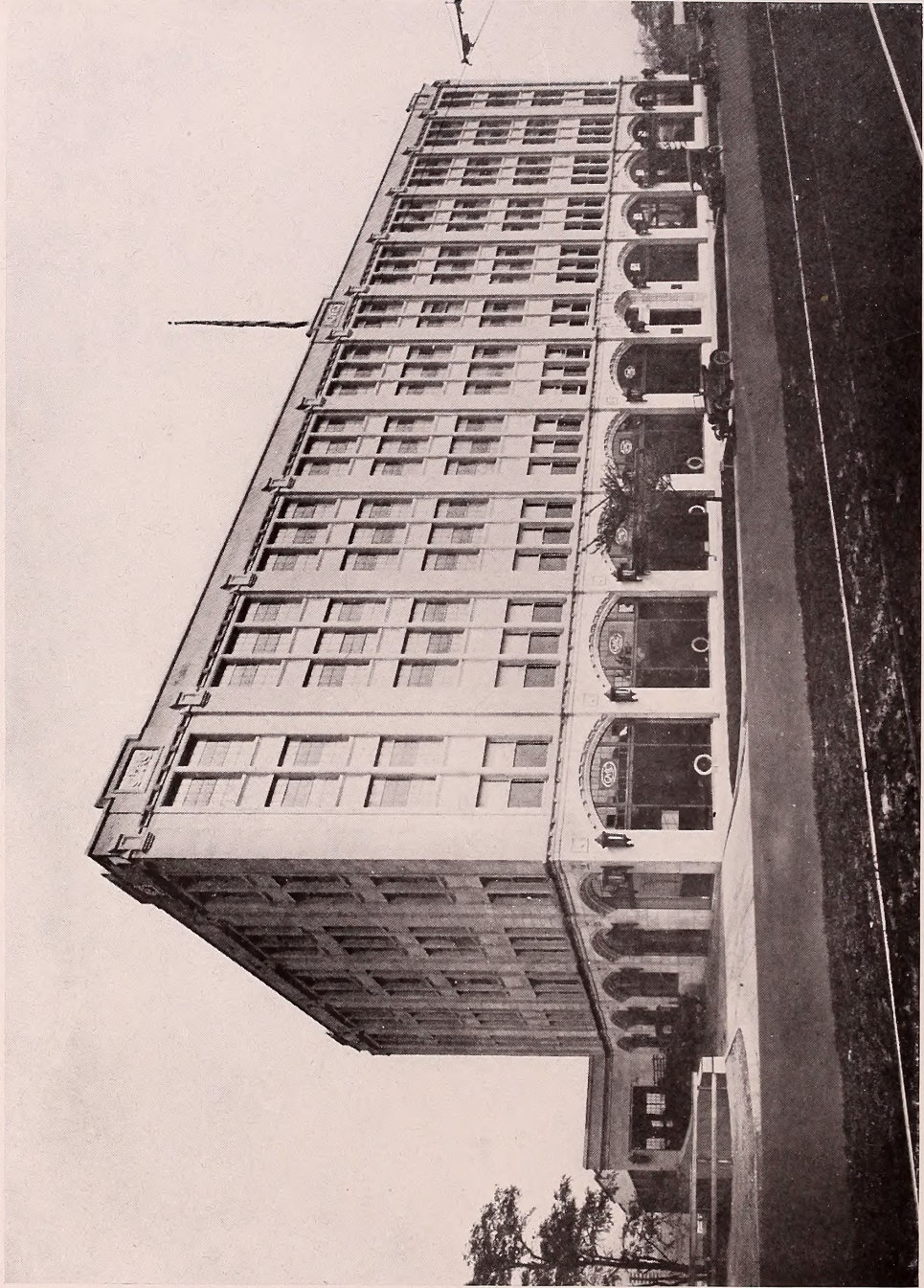
Bellows and Aldrich, Architects, Boston



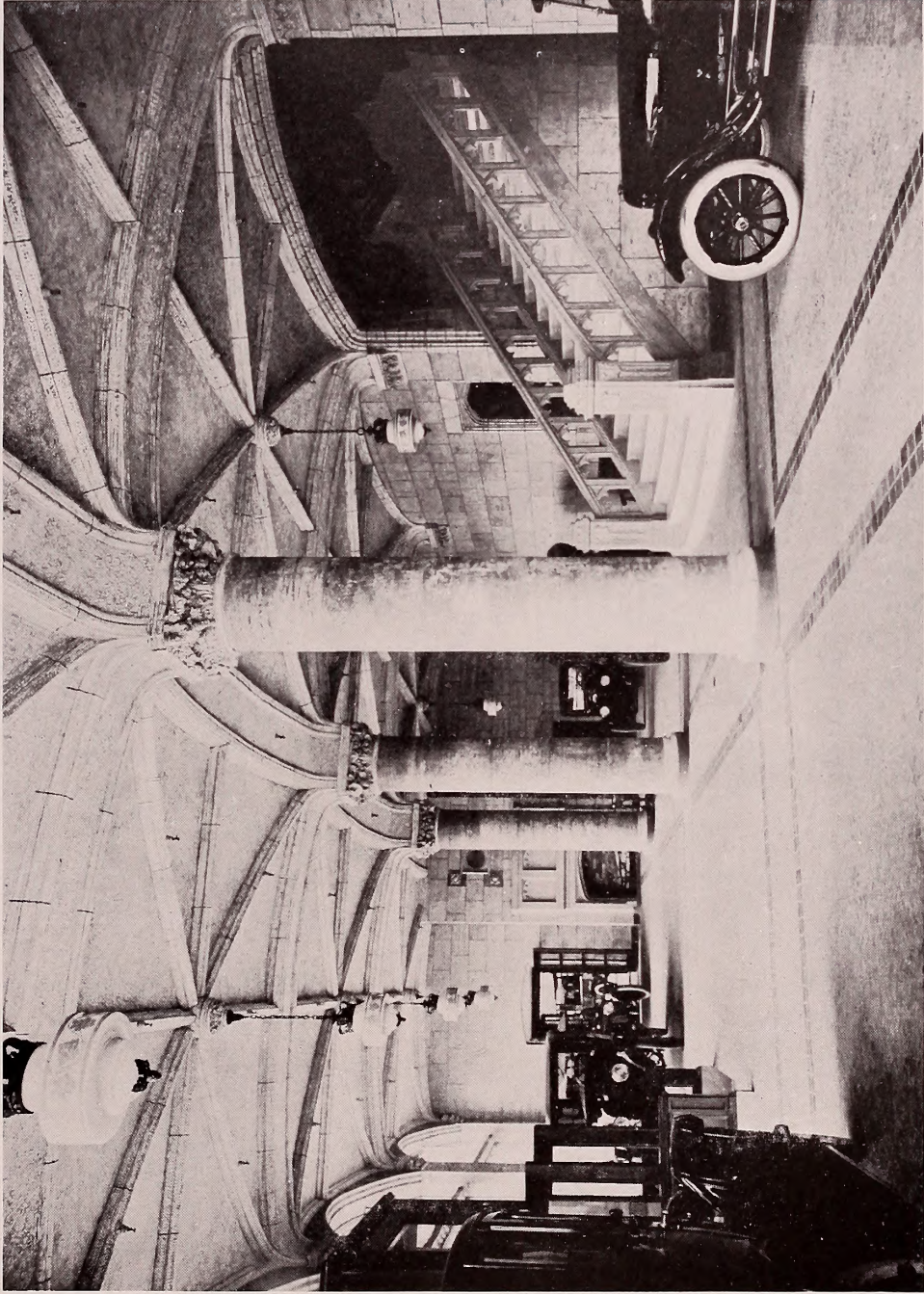
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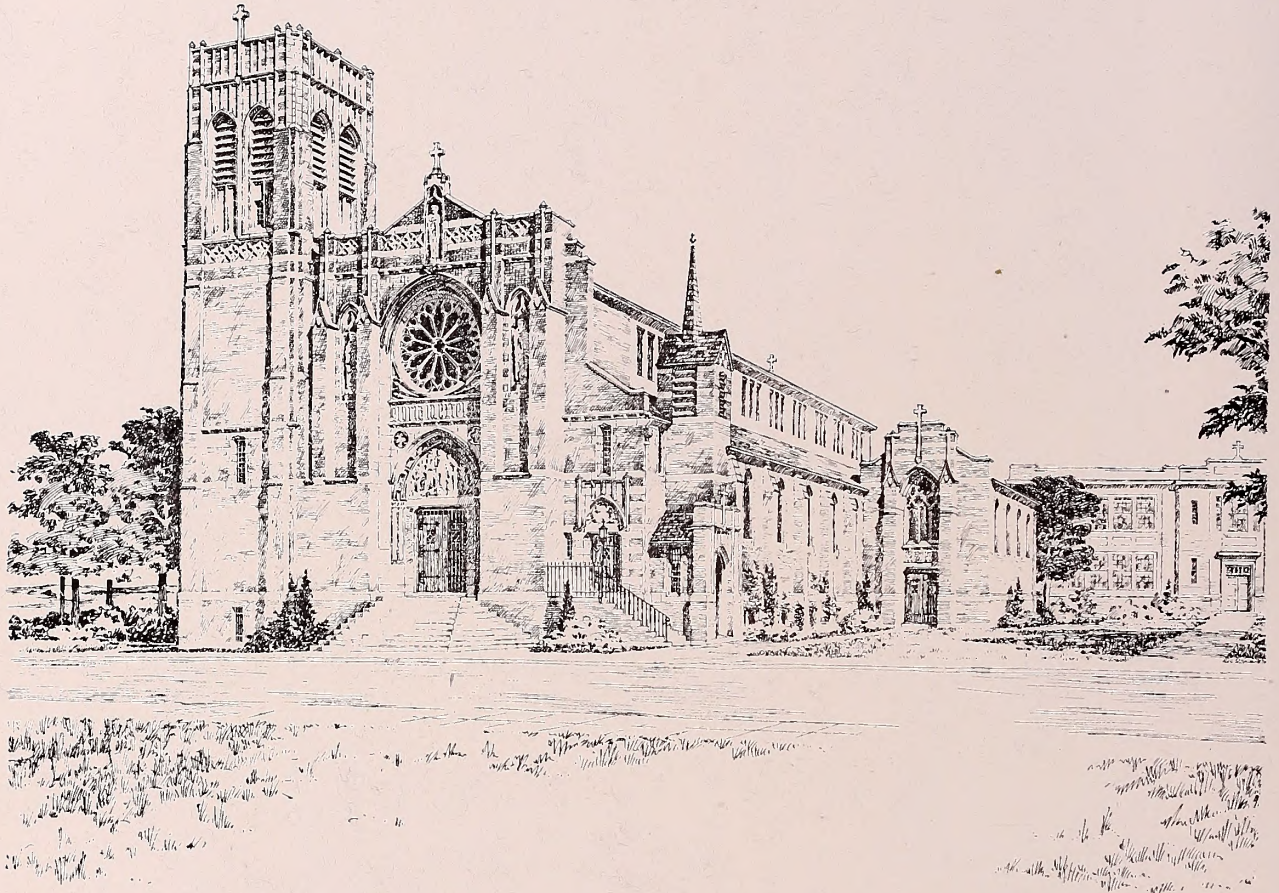
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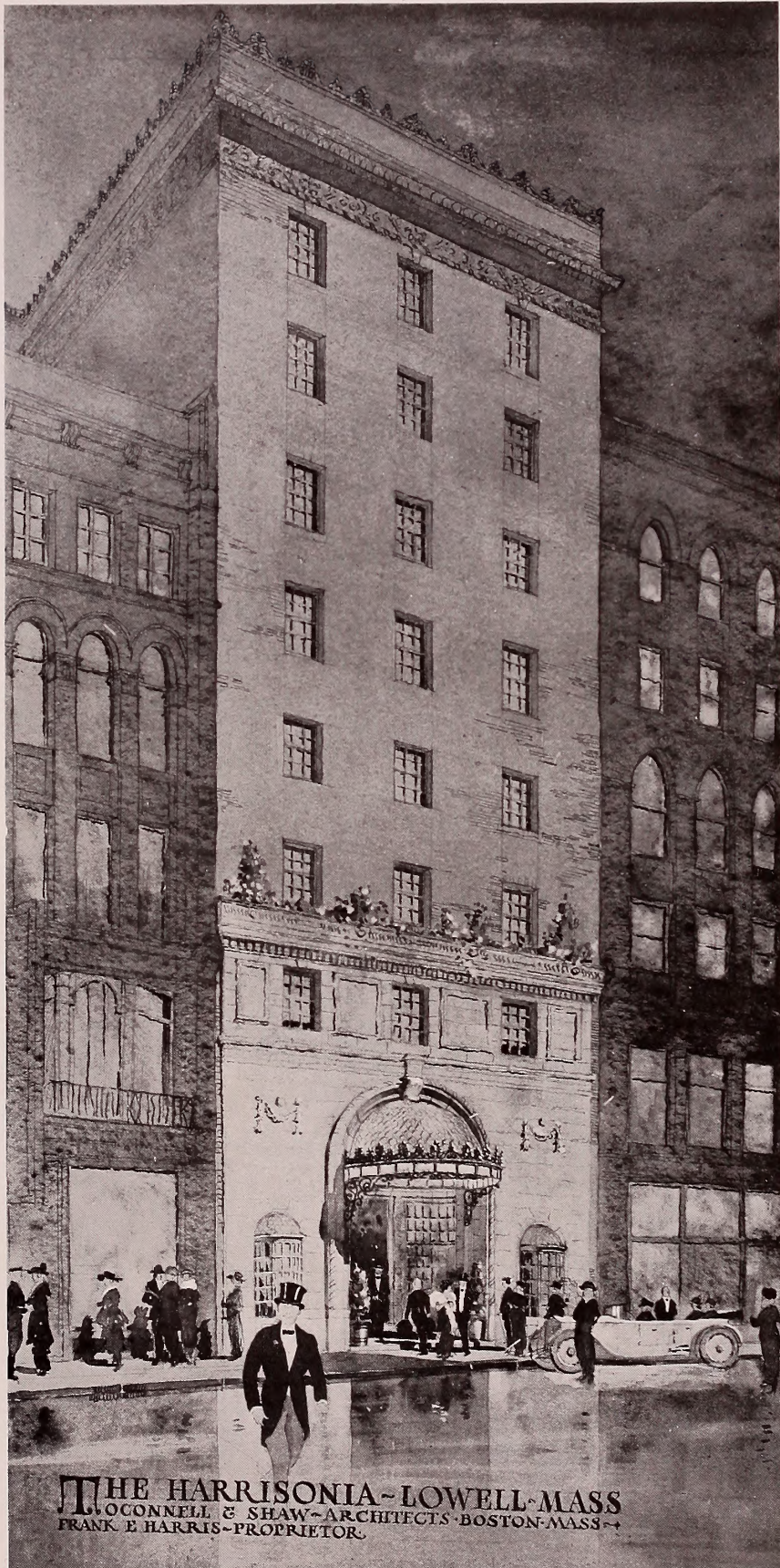
BUILDING FOR BUICK MOTOR CO., BOSTON, MASS.
A. H. Bowditch, Architect, Boston



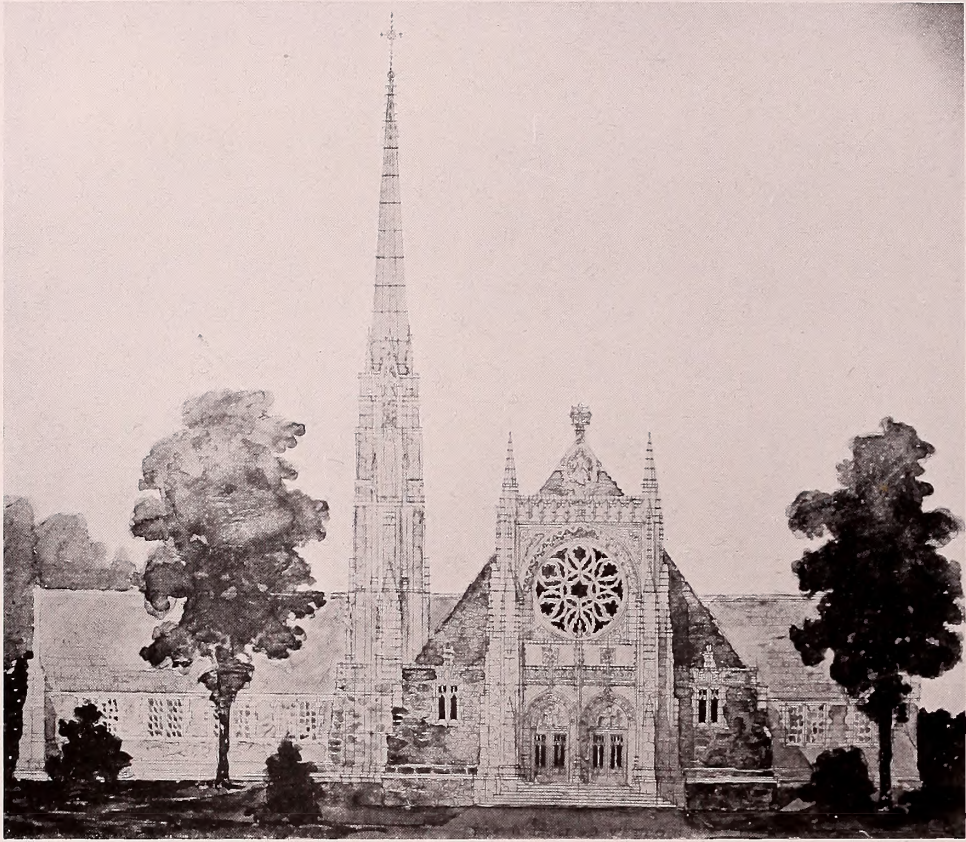
SALES ROOM, BUICK BUILDING
A. H. Bowditch, Architect, Boston



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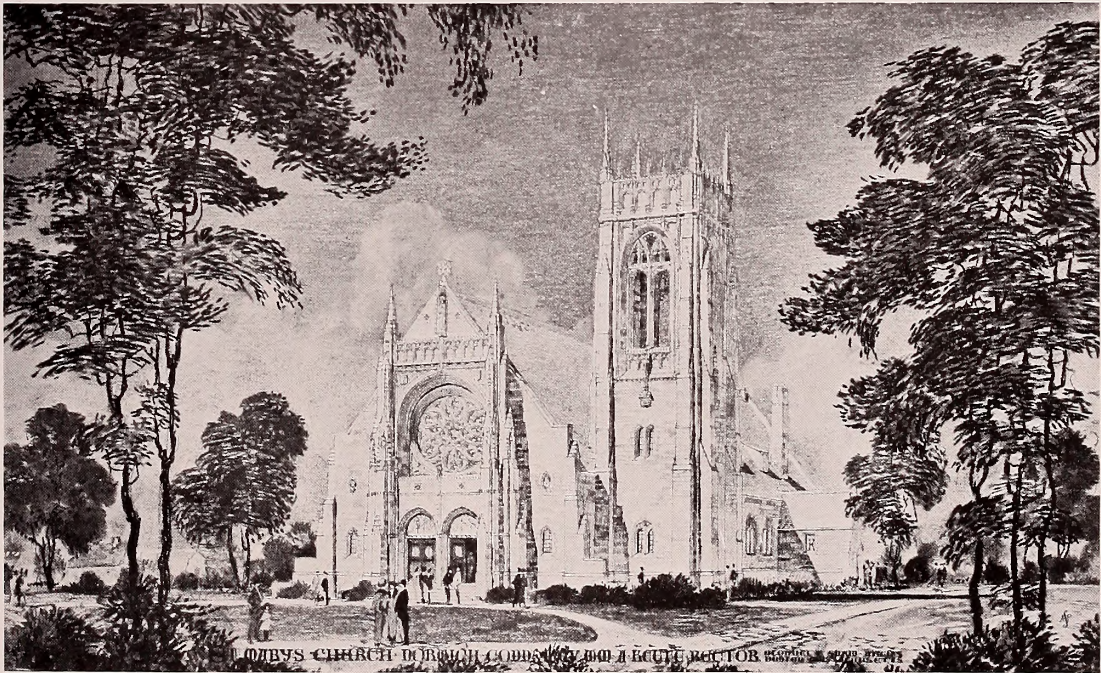
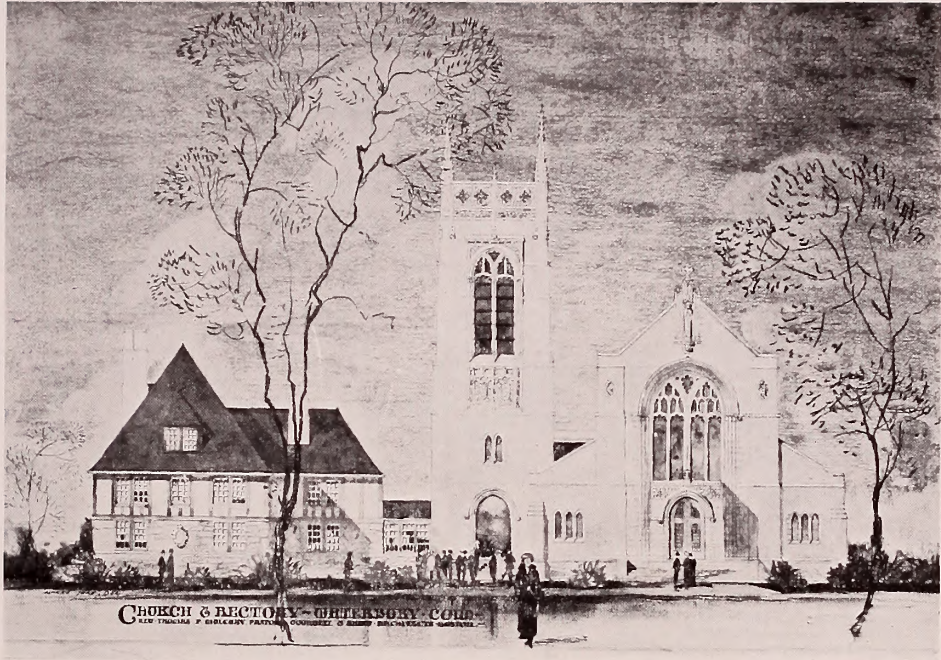


THE HARRISONIA - LOWELL - MASS
O'CONNELL & SHAW - ARCHITECTS - BOSTON - MASS ->
FRANK E HARRIS - PROPRIETOR



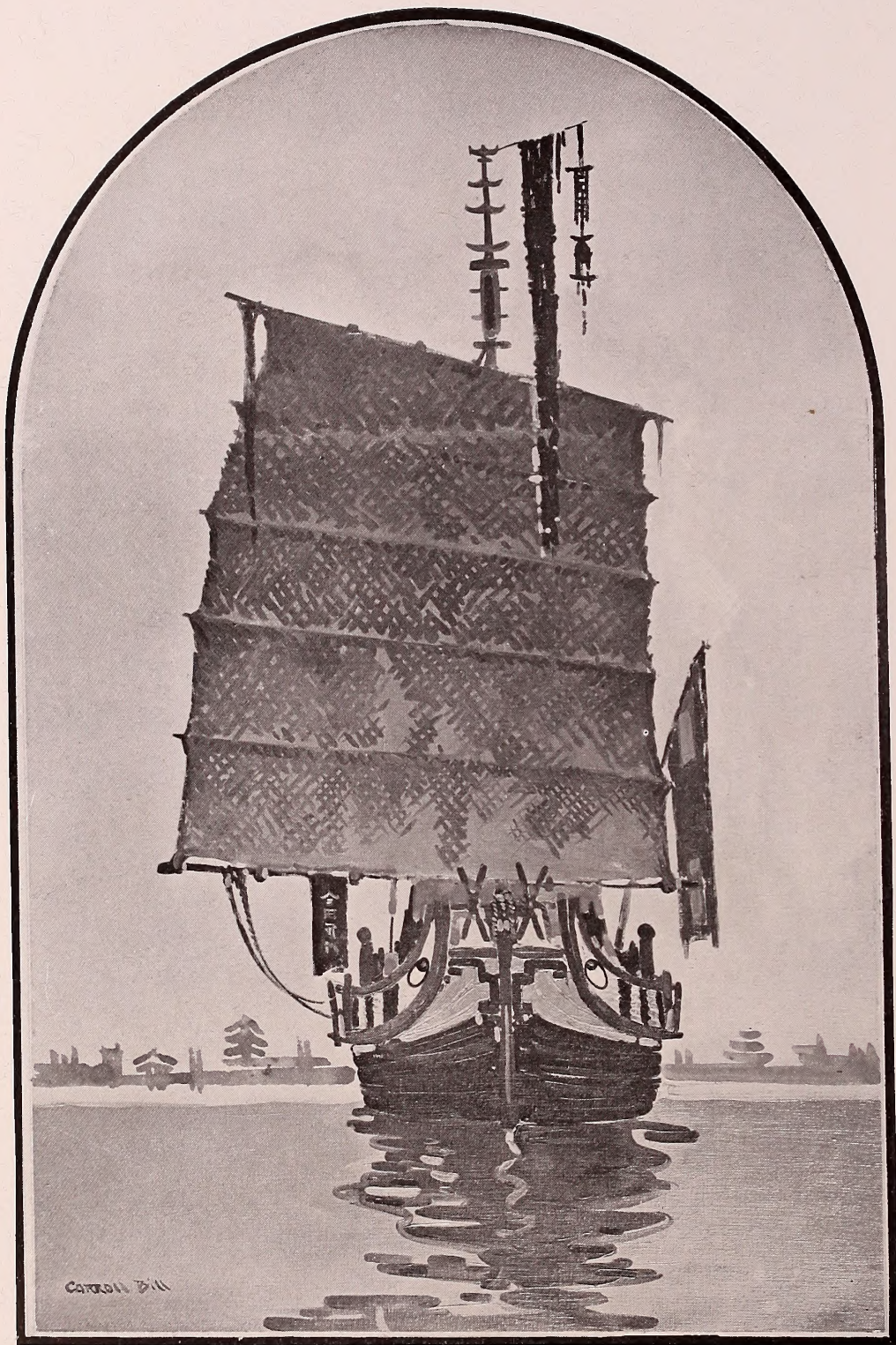
SKETCHES

By O'Connell and Shaw, Architects, Boston

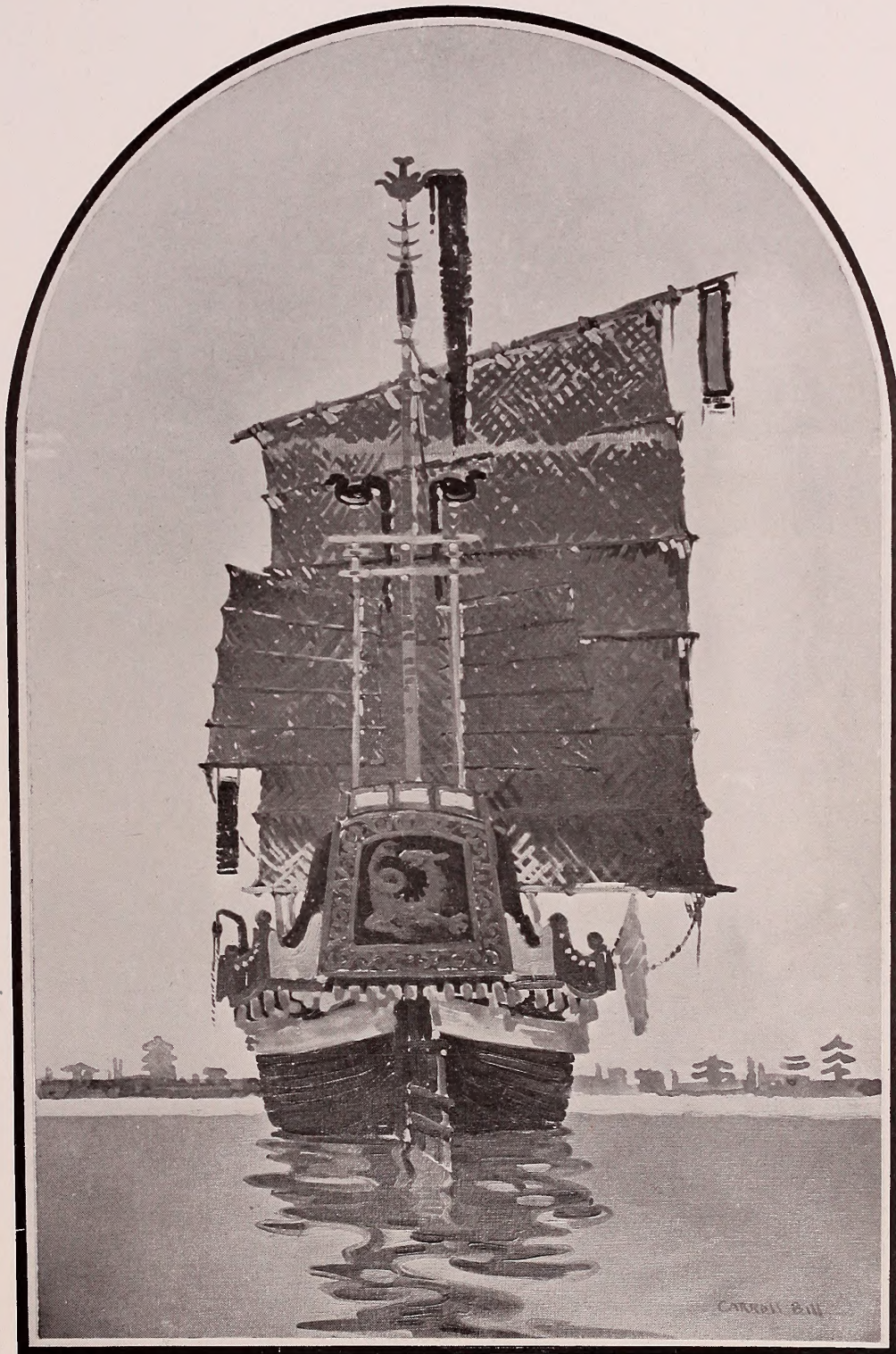


SKETCHES

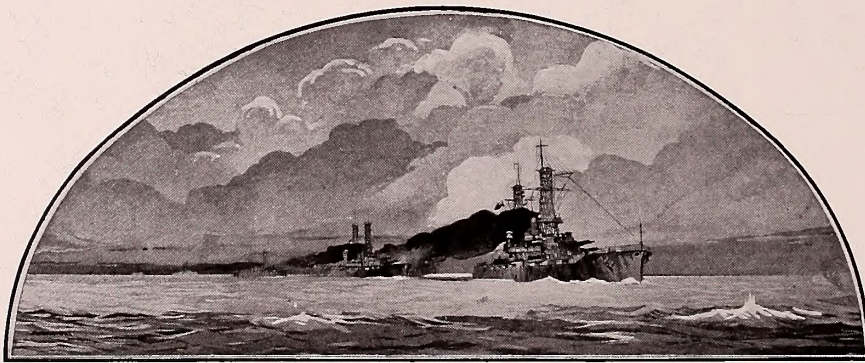
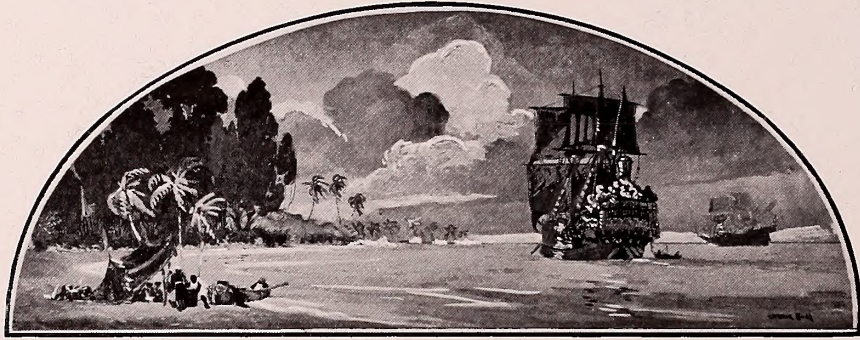
By O'Connell and Shaw, Architects, Boston



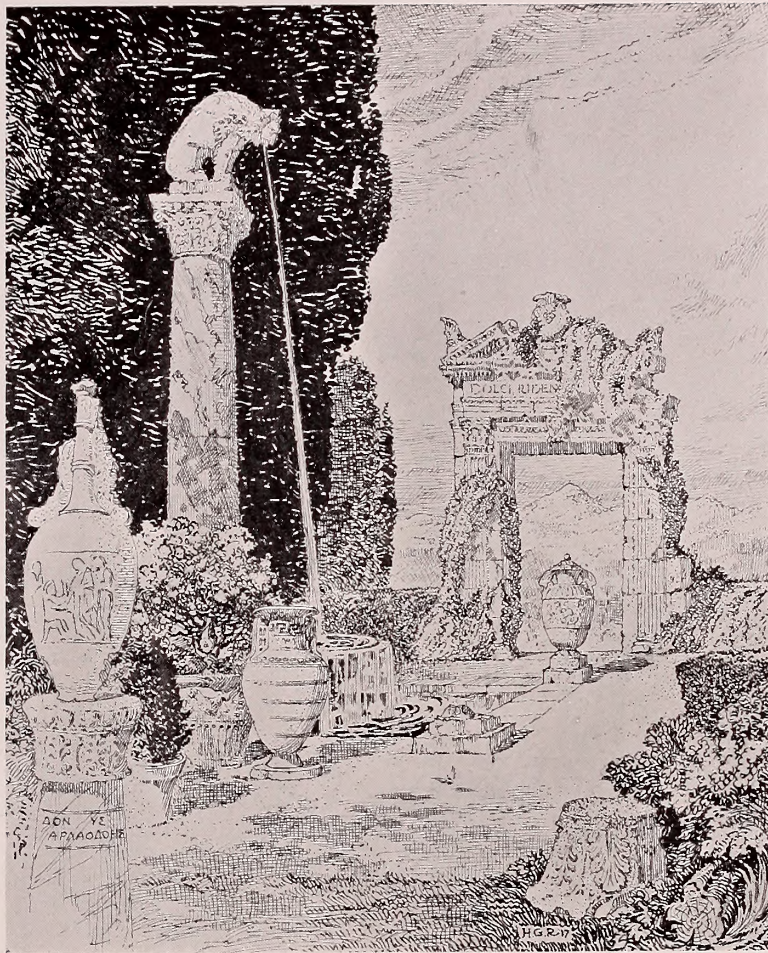
CHINESE JUNK
Mural Panel, by Carroll Bill



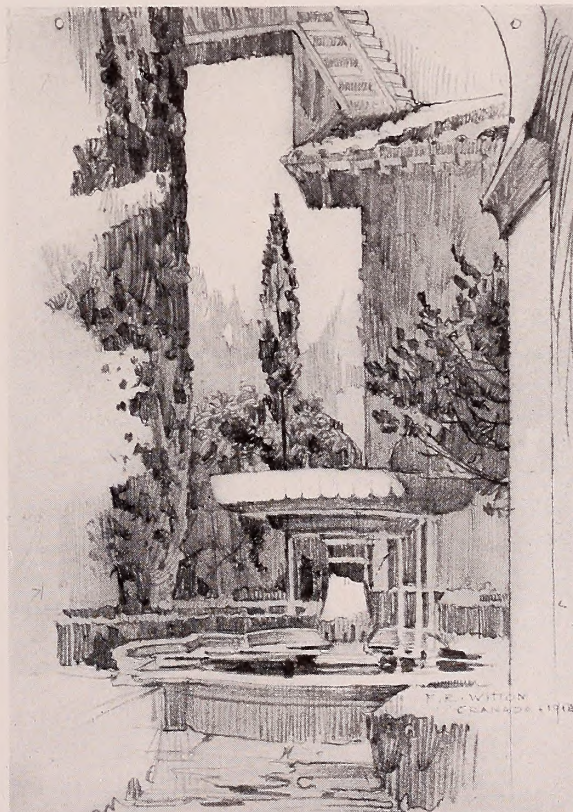
CHINESE JUNK
Mural Panel, by Carroll Bill



MODERN AND ANCIENT SHIPPING
Mural Panels, by Carroll Bill



SKETCH — VILLA
H. G. Ripley

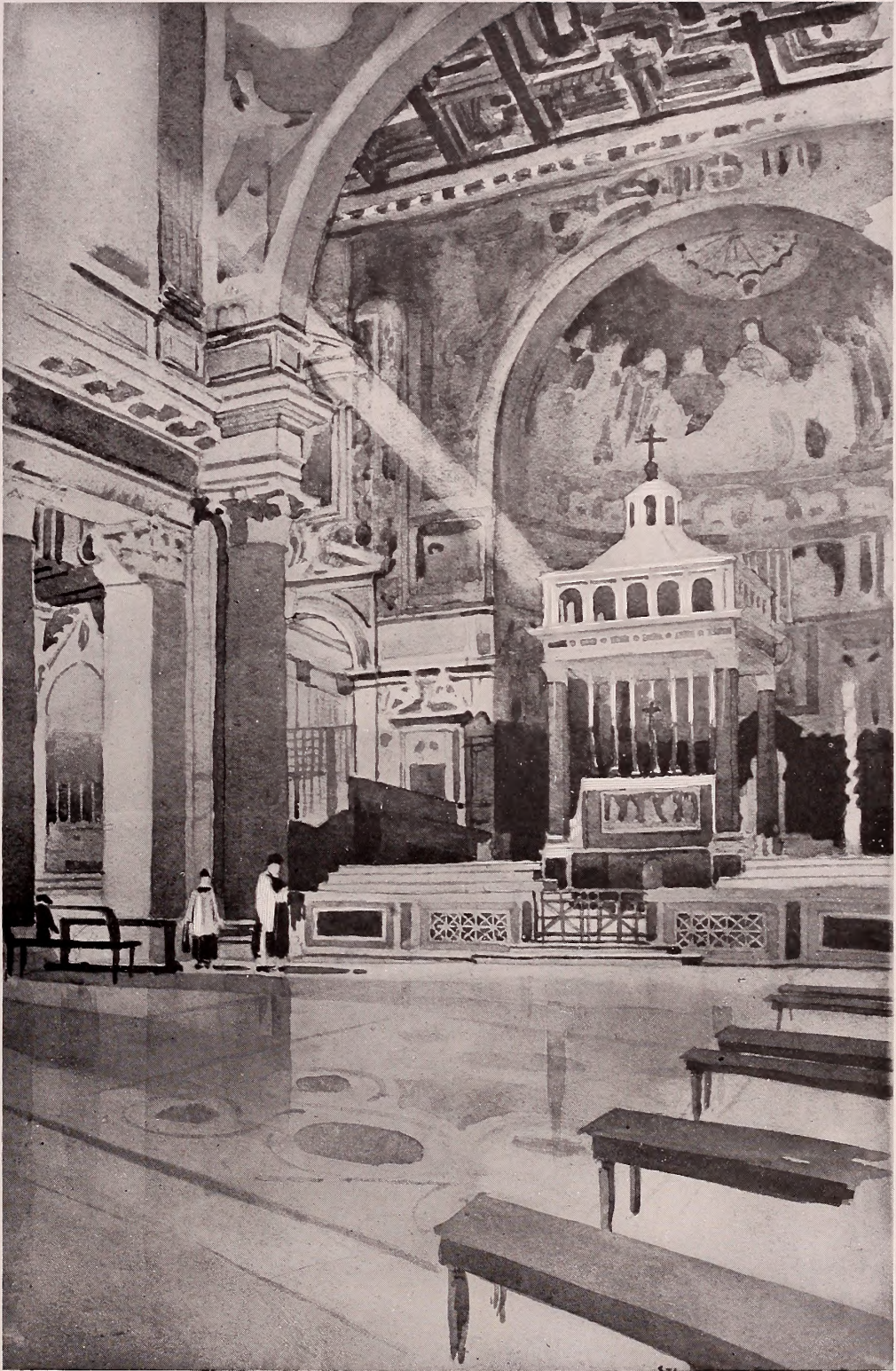


SKETCH IN GRANADA
F. R. Witton

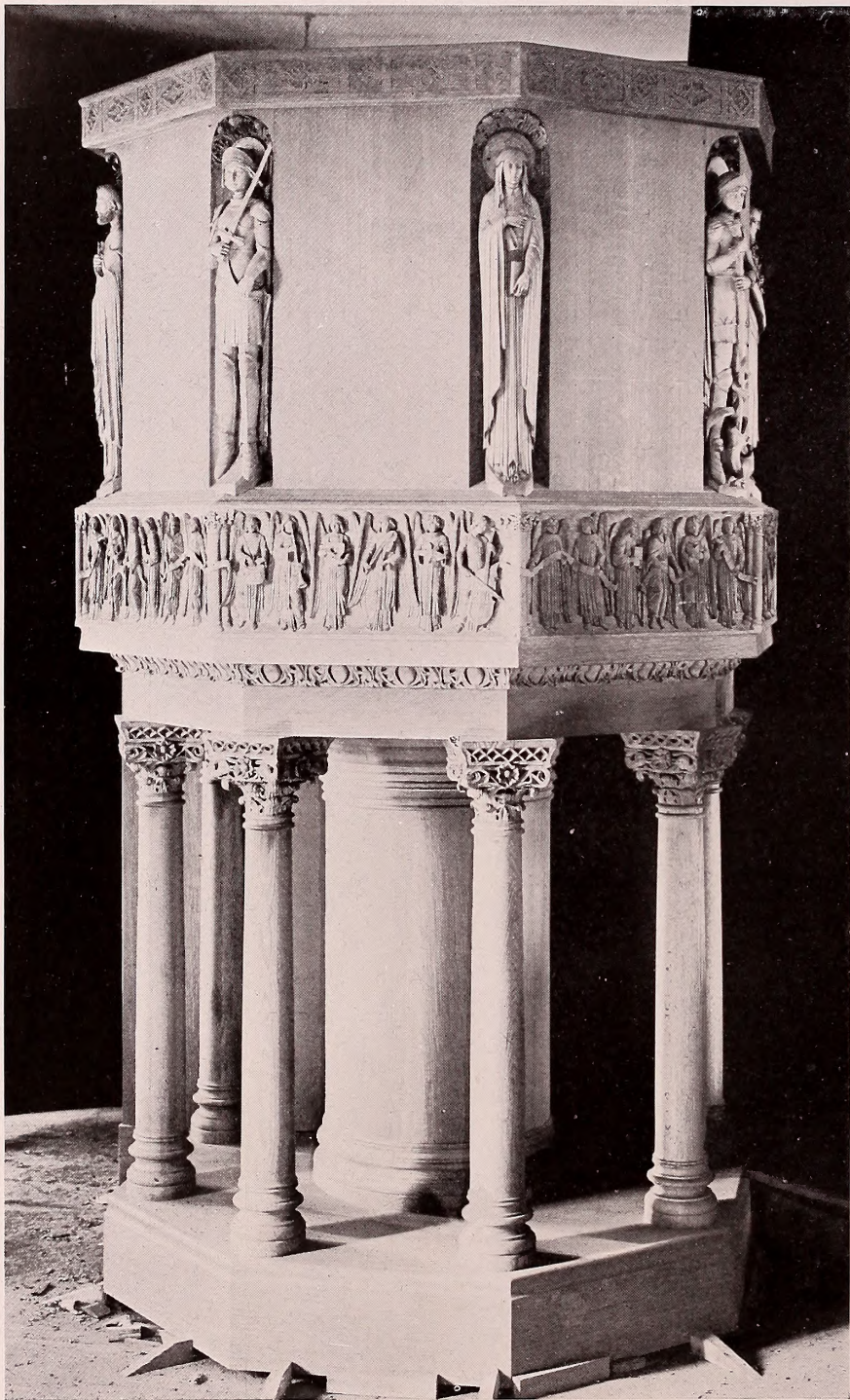


FIVE PANELS DESIGNED AND CARVED BY I. KIRCHMAVER

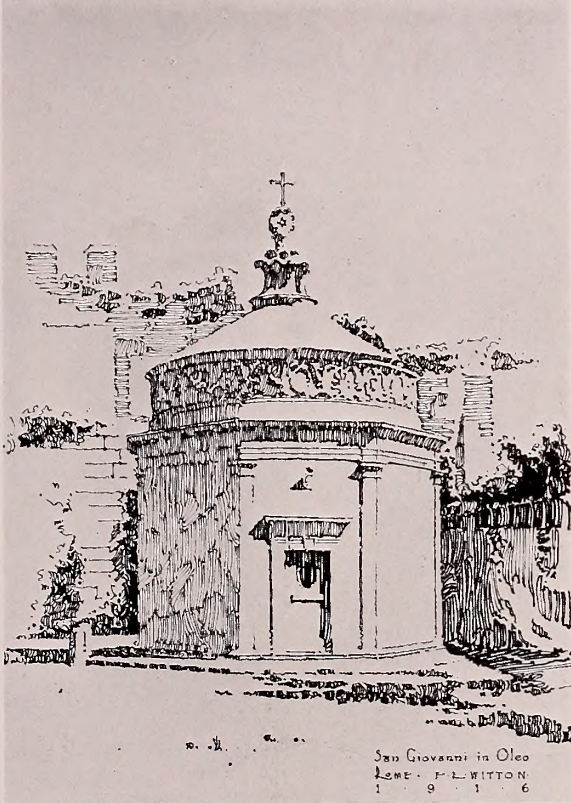
St. Paul Preaching at Trinidad — St. Stephen Before the "Sanhedrin" — The Sermon on the Mount — Moses Descending Mt. Sinai—
Elijah Calling Down the Fire from Heaven.



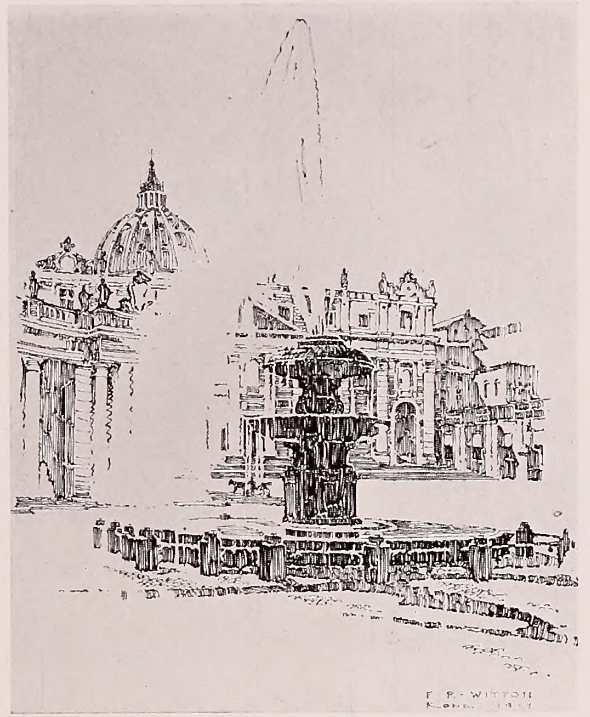
INTERIOR SANTA MARIA TRASTEVERE, ROME
F. R. Witton



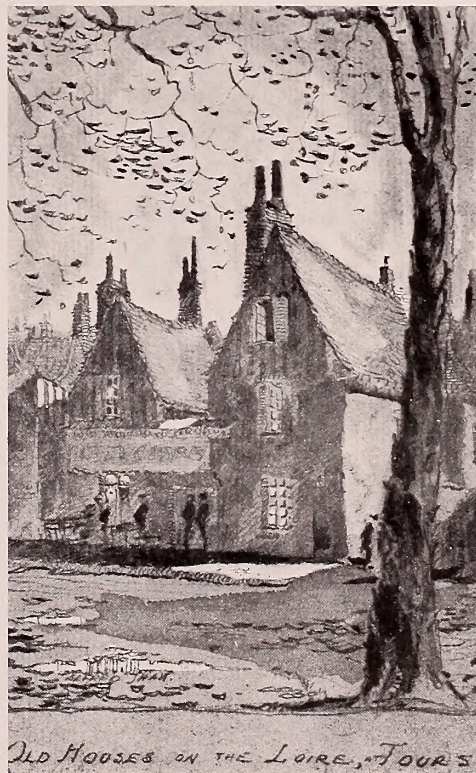
PULPIT — ST. CATHERINE'S CHURCH, SOMERVILLE
Maginnis and Walsh, Architects, Boston
Carved by I. Kirchmayer



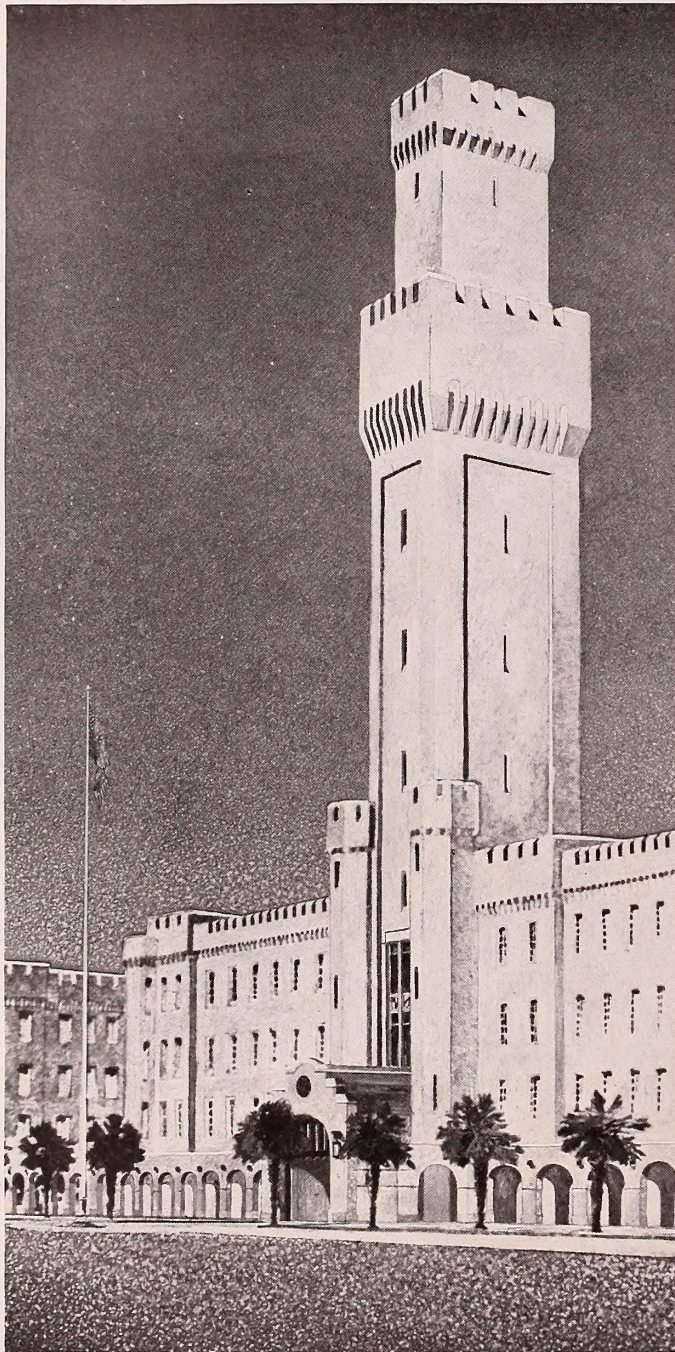
SKETCH
 F. R. Witton, 1916



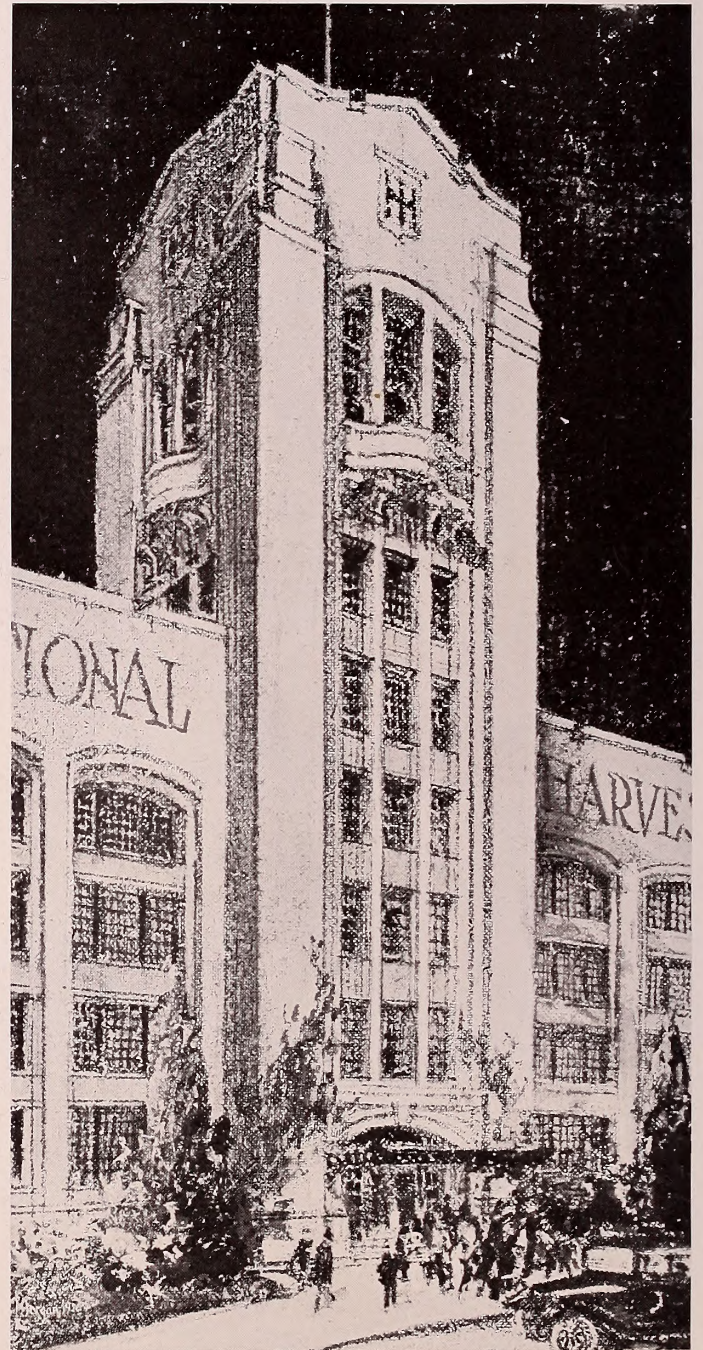
PIAZZA OF ST. PETER'S, ROME
 F. R. Witton, 1917



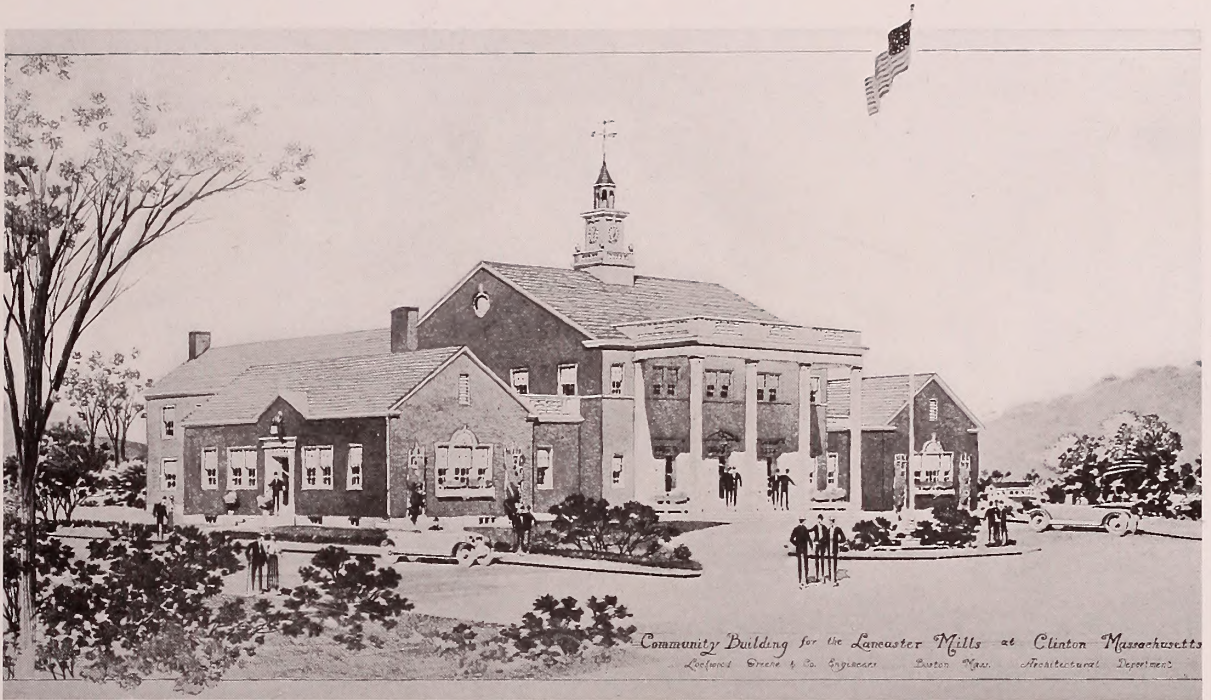
SKETCH IN FRANCE
 Alfred Shaw



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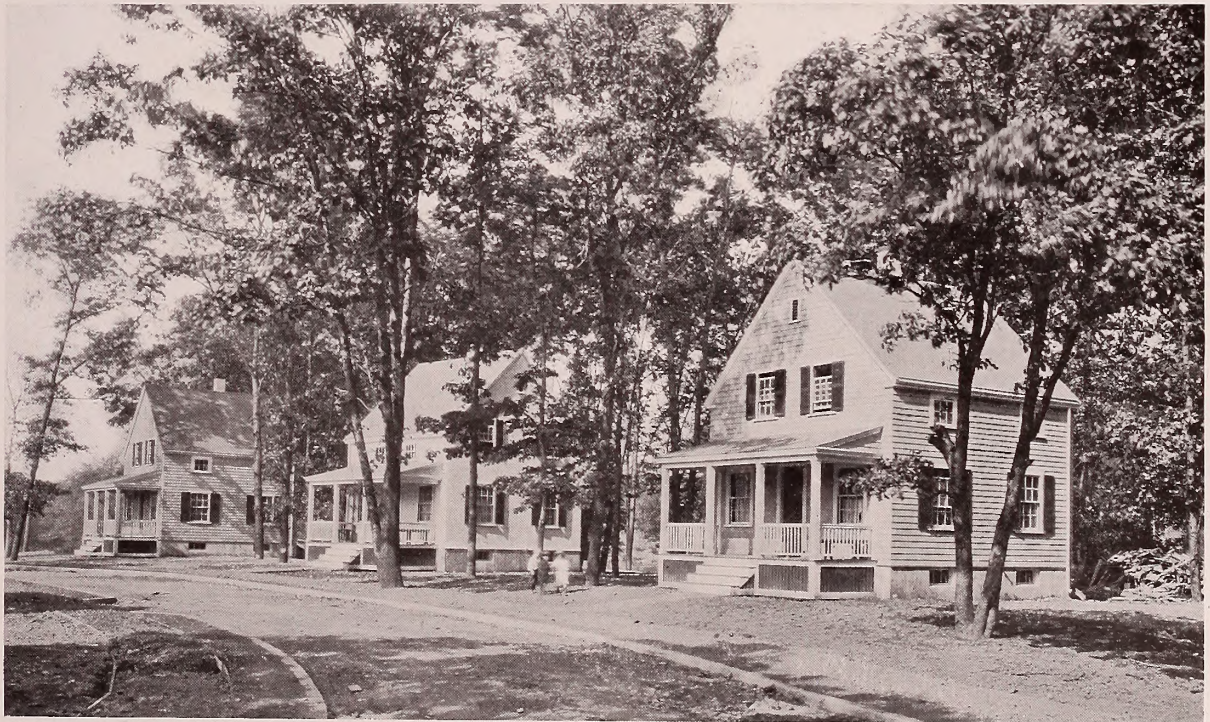
Architectural Department
 COMPETITIVE DESIGN SUBMITTED FOR
 INTERNATIONAL HARVESTER PLANT, FORT WAYNE, INDIANA



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Architectural Department

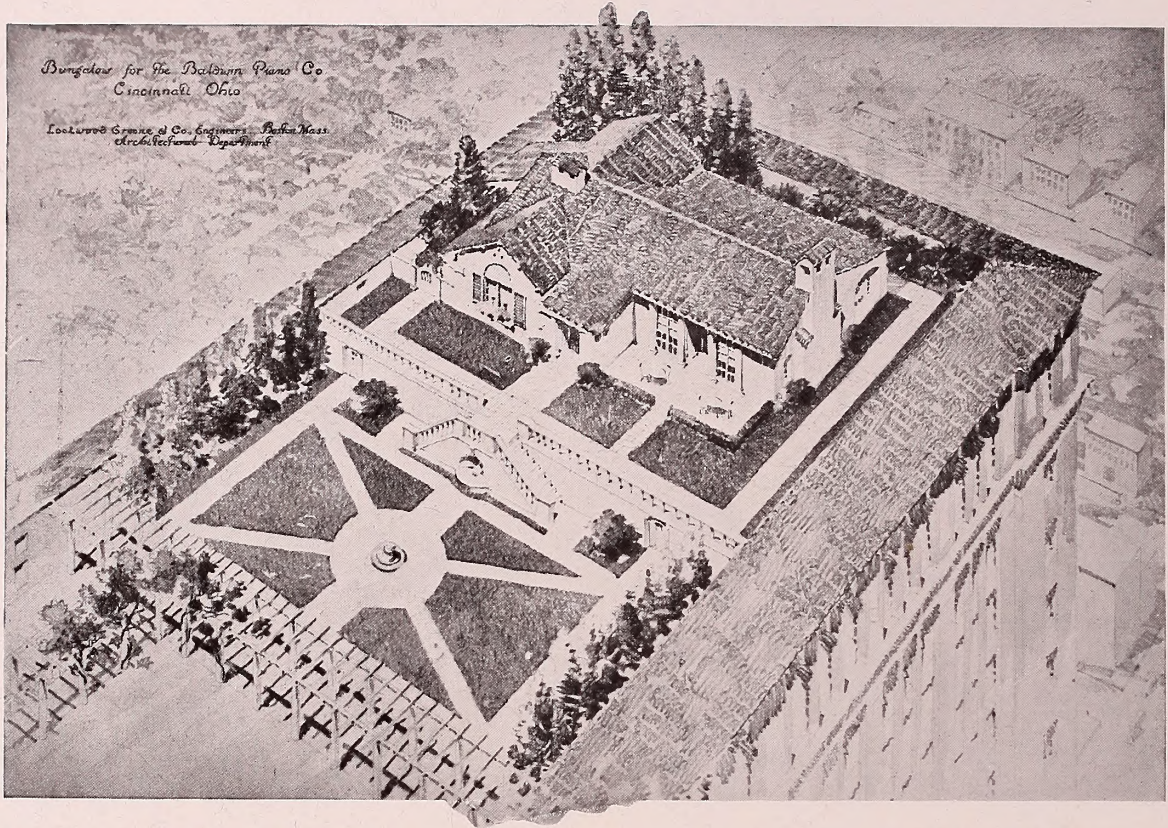
COMMUNITY BUILDING FOR THE LANCASTER MILLS AT CLINTON, MASS.



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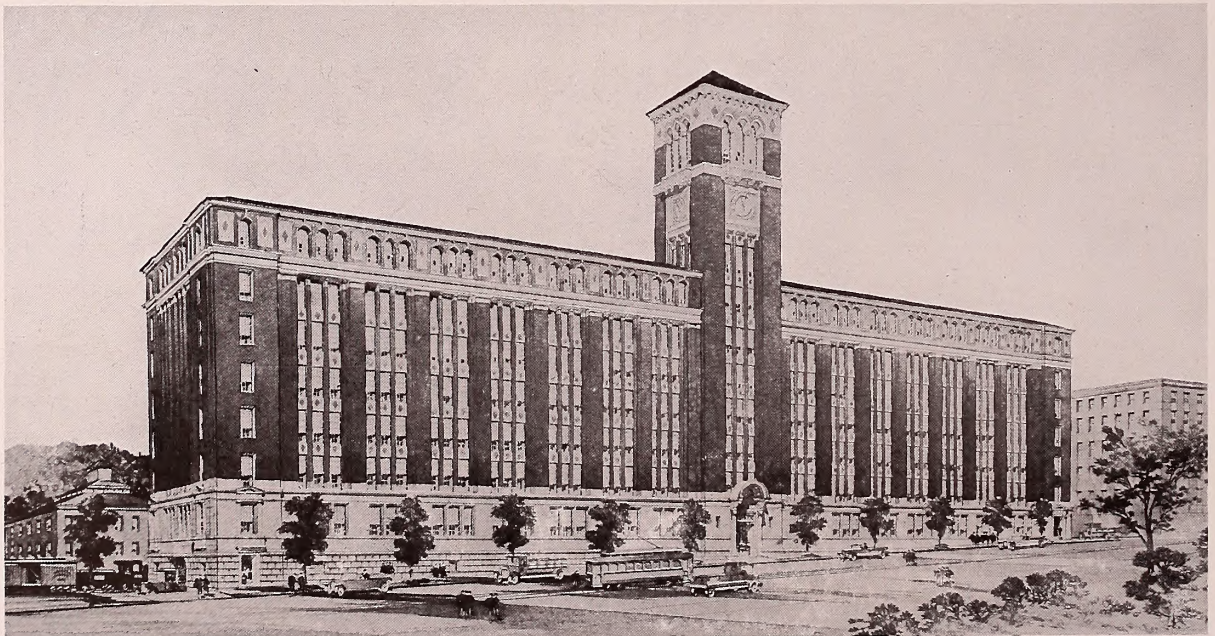
HOUSING DEVELOPMENT FOR SACO-LOWELL SHOPS, NEWTON UPPER FALLS, MASS.



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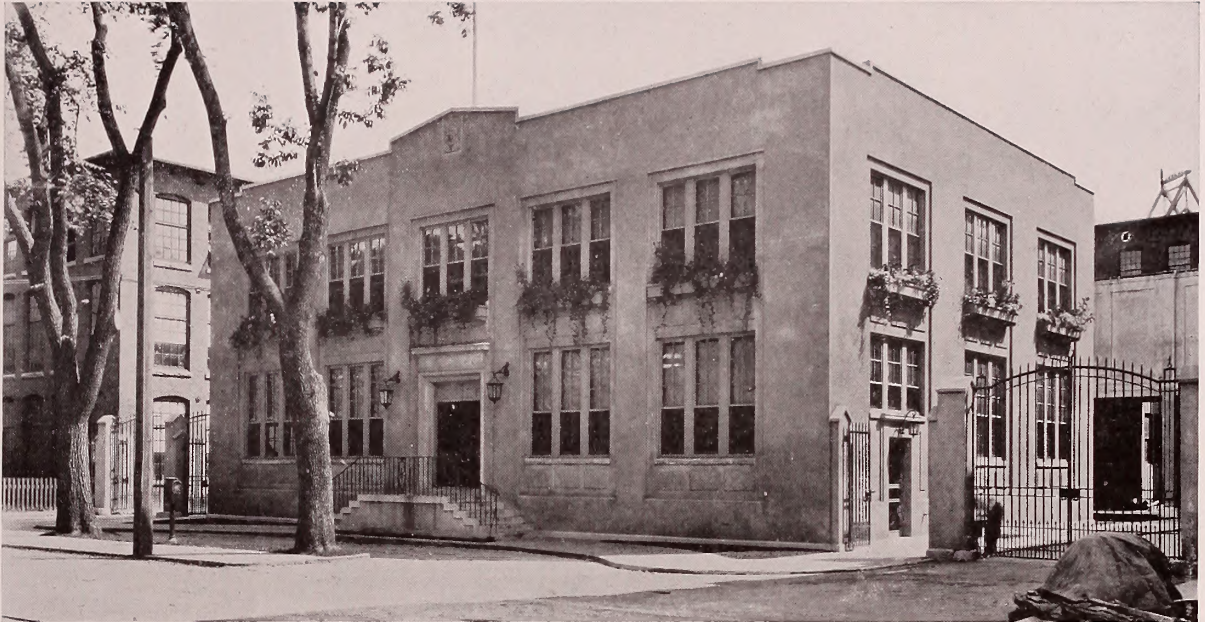
MEETING ROOM ON ROOF OF MANUFACTURING BUILDING FOR THE BALDWIN PIANO CO., CINCINNATI, OHIO



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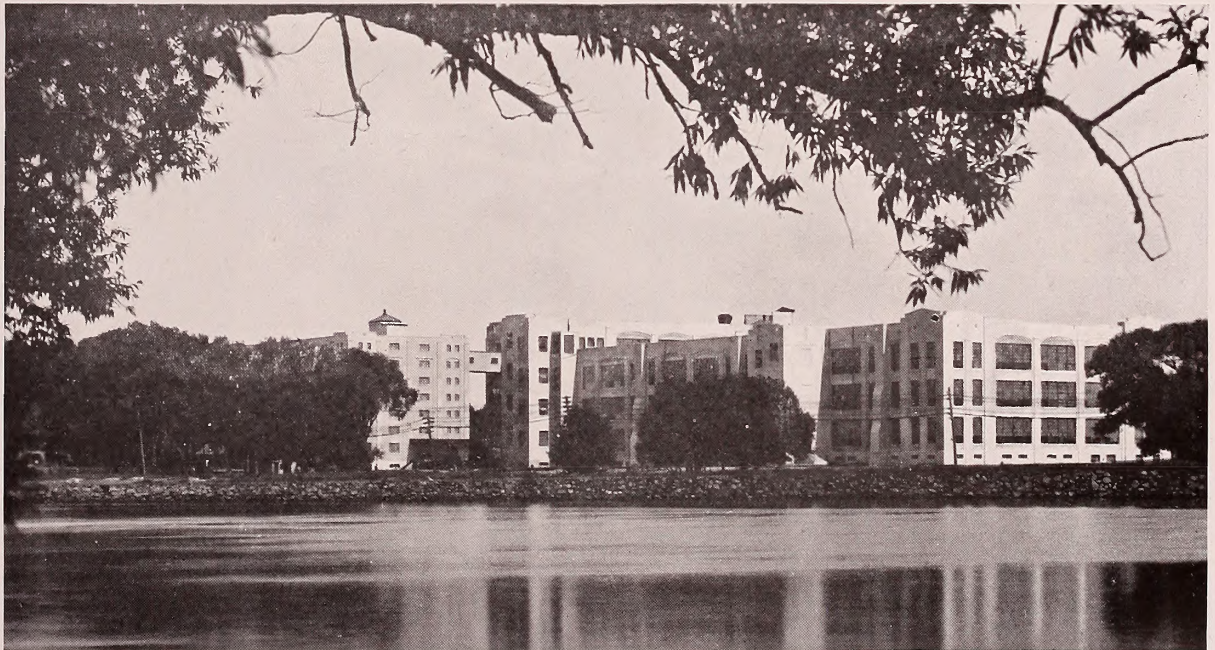
MANUFACTURING BUILDING FOR THE BALDWIN PIANO CO., CINCINNATI, OHIO



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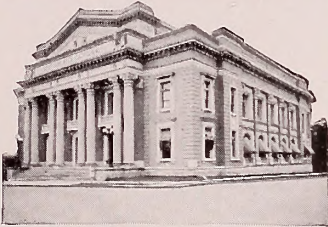
Lawrence Building, Corner West and Tremont Streets. Beach 7060

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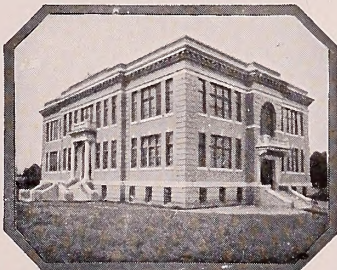
City National Bank Building, Shreveport, La. Architects, Languinet & Statts, Fort Worth, Texas; Associate Architect, E. F. Neild, Shreveport, La.; Gen'l Cont., Central Contracting Co., Houston, Texas; Roofers, H. H. Bain Sheet Metal Works, Shreveport, La.



Scottish Rite Cathedral, Shreveport, La. Arch., E. F. Neild, Shreveport, La.; Gen'l Cont., Stewart-McGhee, Little Rock, Arkansas; Roofers, H. H. Bain Sheet Metal Works, Shreveport, La.



The Highland Sanitarium and Addition, Arch., C. W. King, Shreveport, La.; Gen'l Cont., Stewart-McGhee, Little Rock, Ark.; Roofers, H. H. Bain Sheet Metal Works, Shreveport, La.



Barrett Street School, Shreveport, La. Arch., Neild & Olshver, Shreveport, La.; Gen'l Cont., W. H. Werner, Shreveport, La.; Roofers, J. W. Wilkinson, Shreveport, La.

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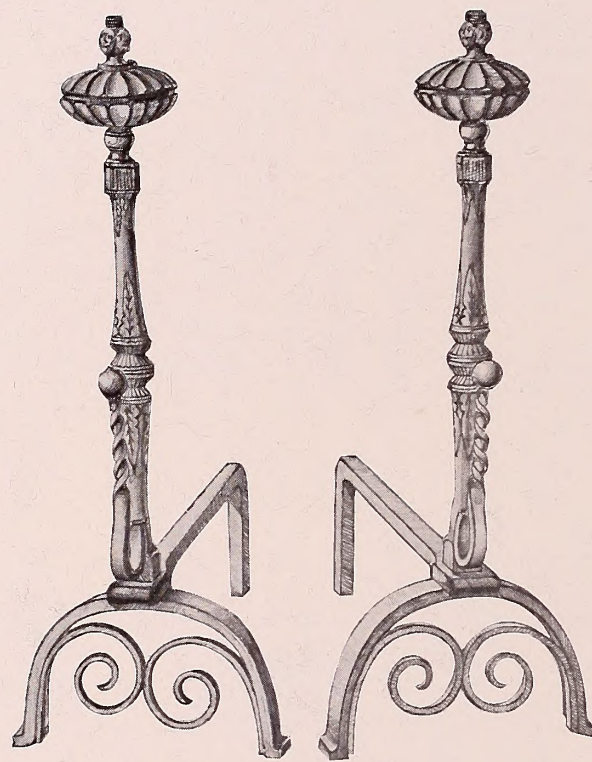
Grand Central Terminal

New York City

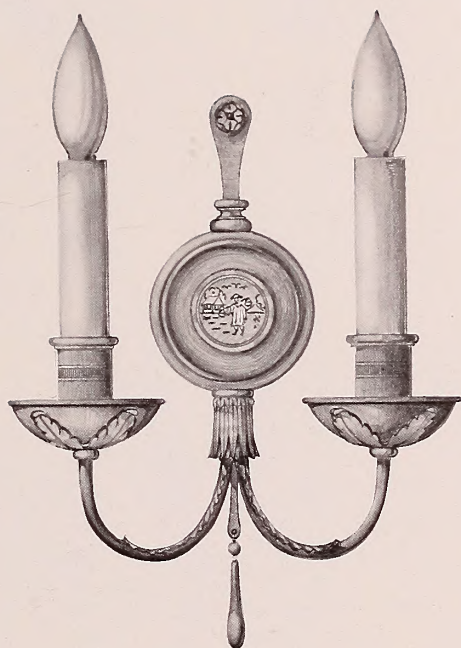
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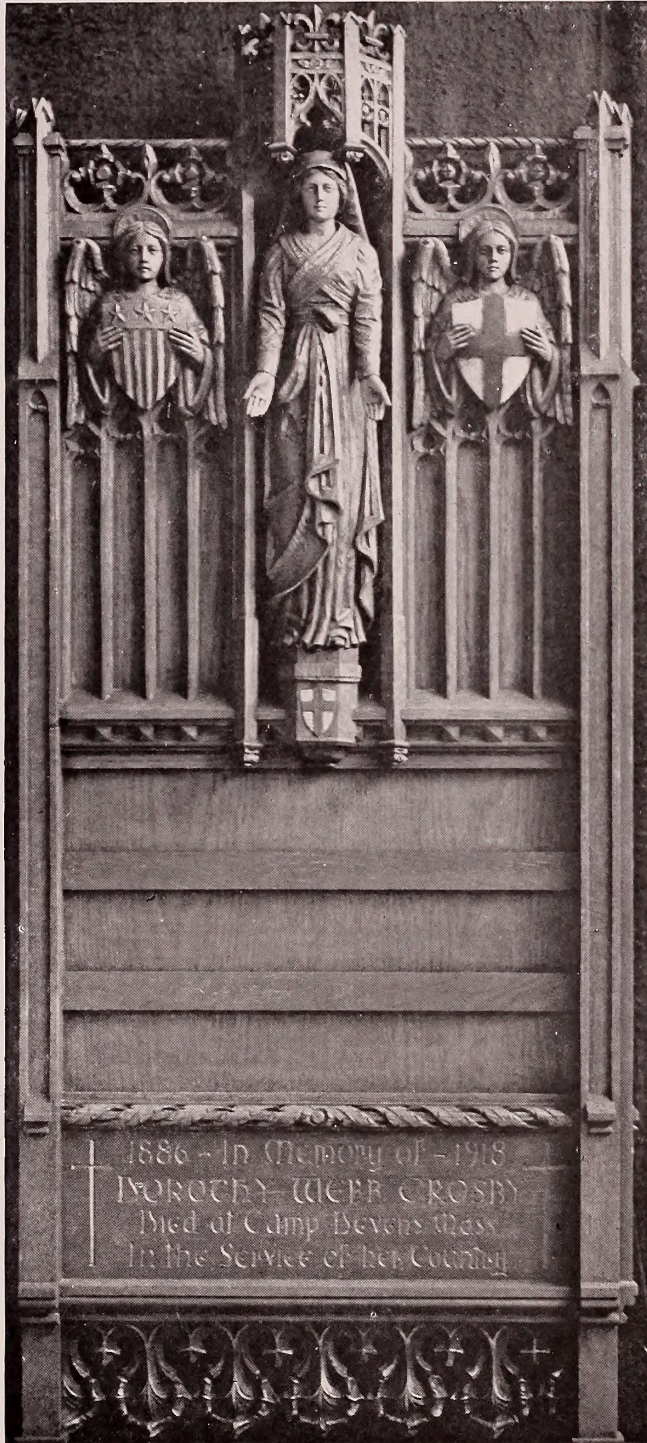
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+ + +

The above extract from a recent paper of the English architect, Mr. Arthur J. Penty, contains a truth of which we are all more or less aware, but which in this age of industrialism has often been completely lost to sight.

+ + +

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+ + +

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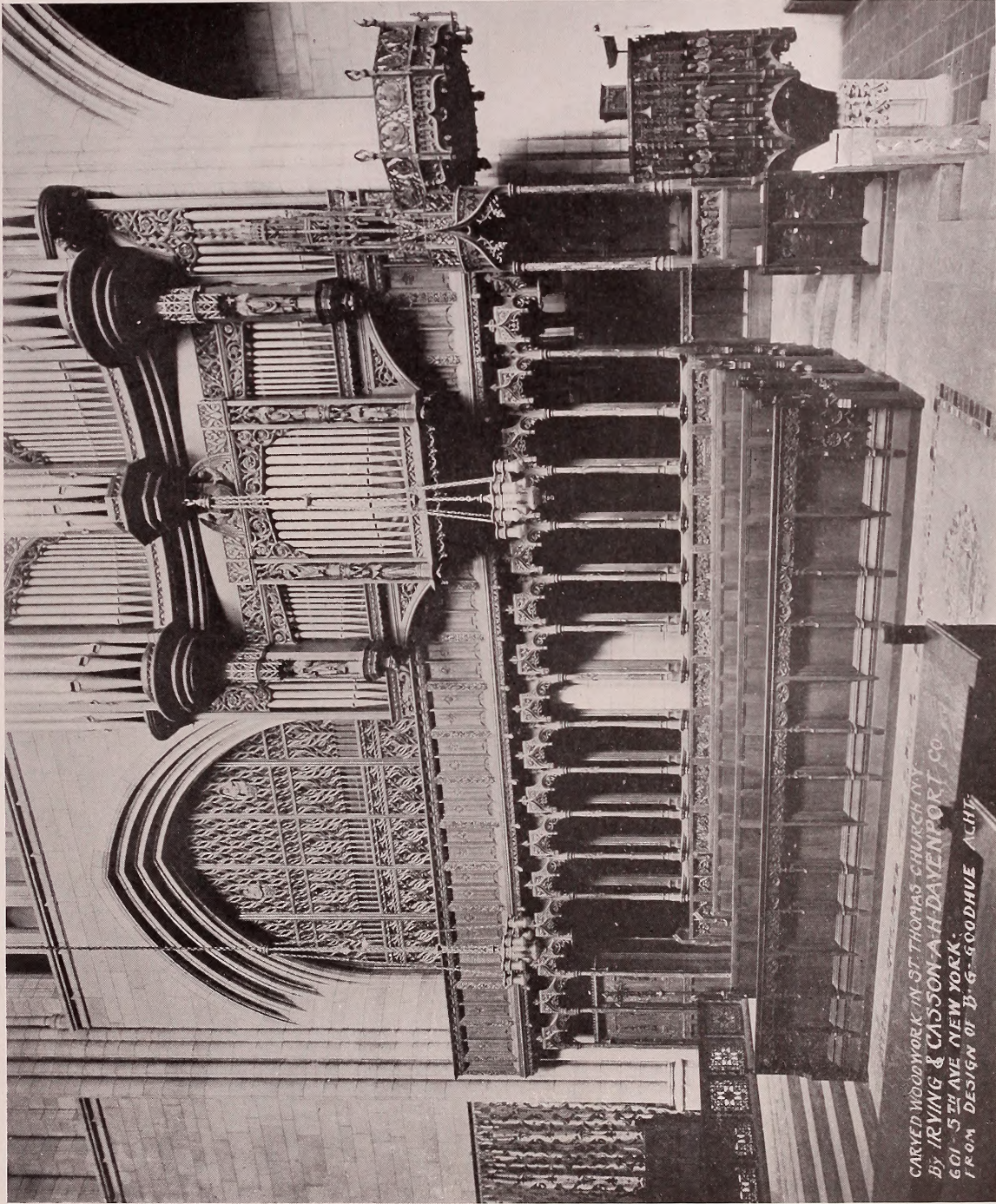
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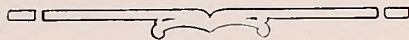
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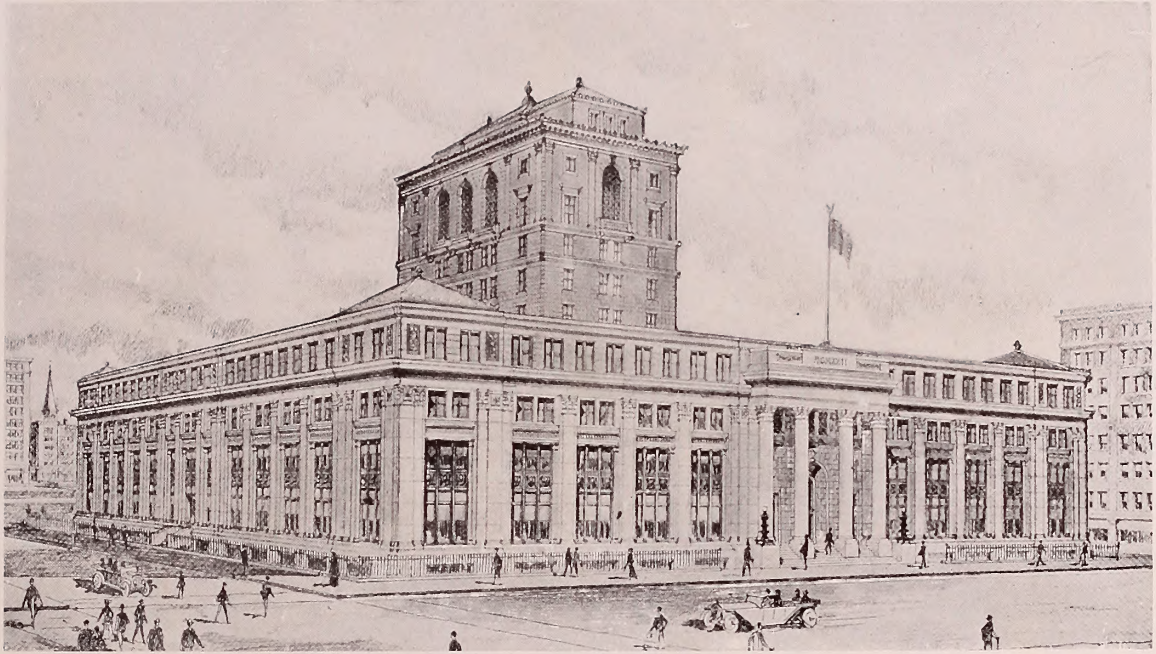
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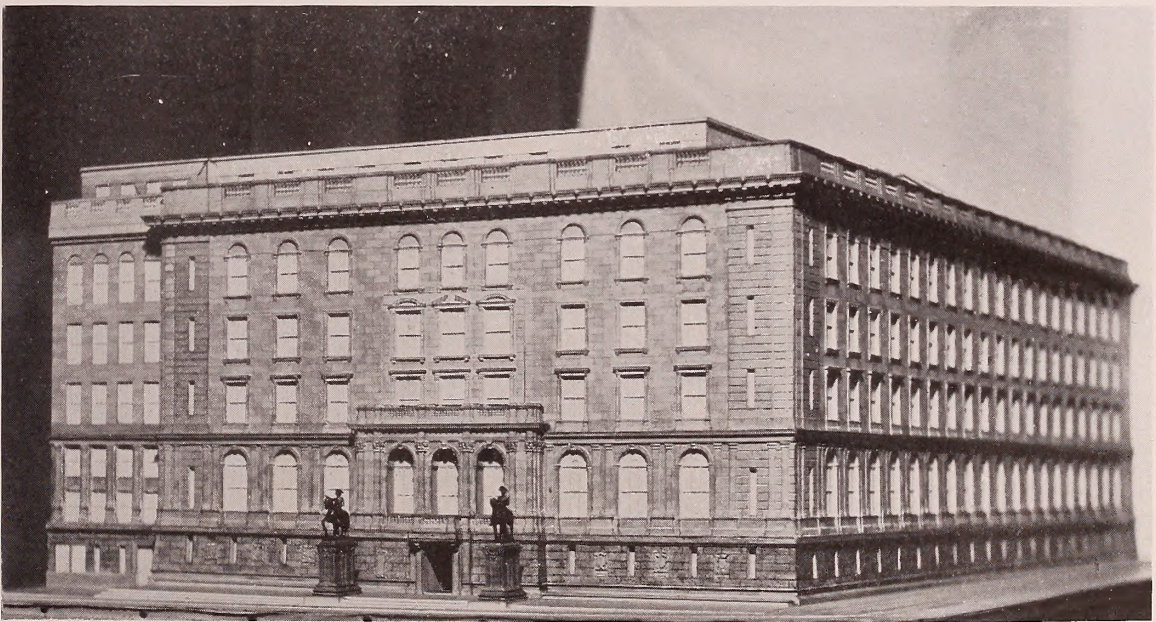
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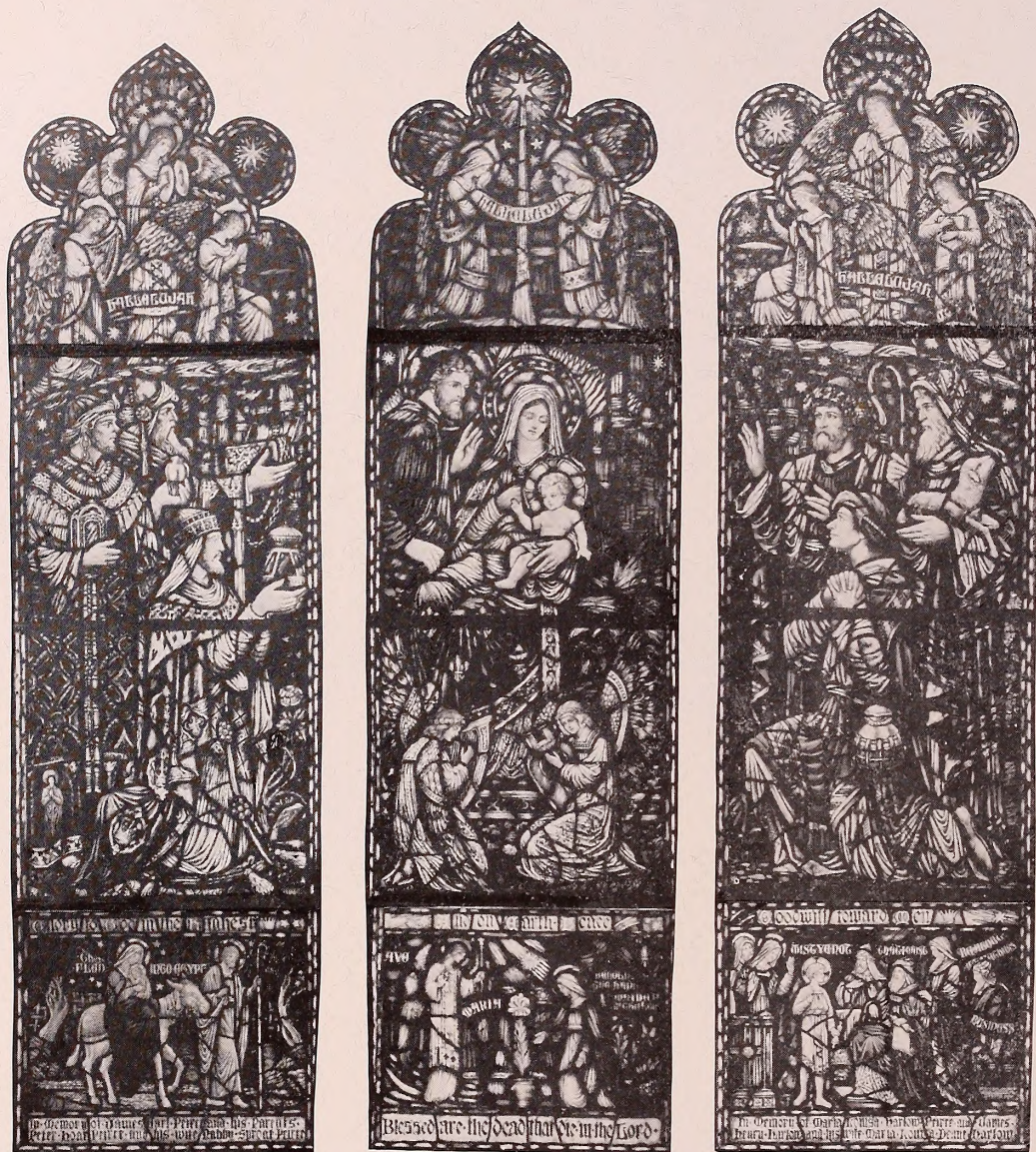
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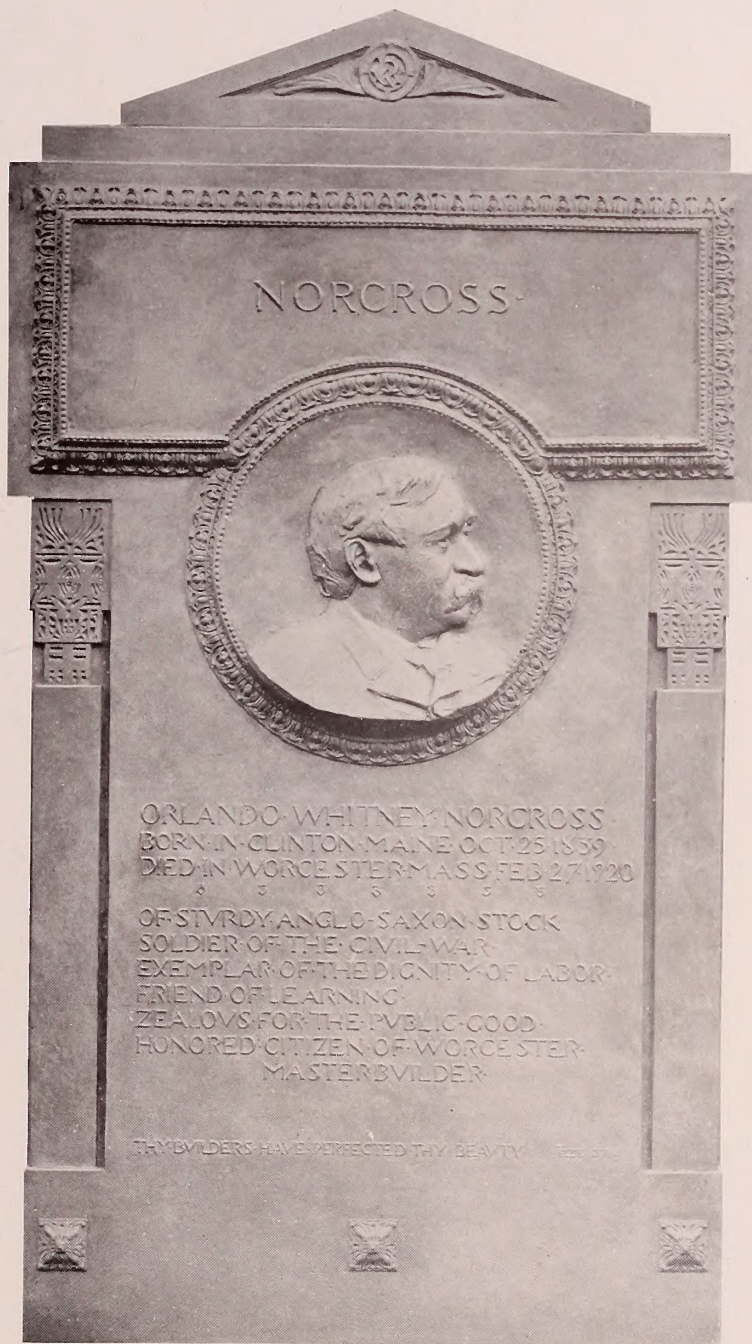
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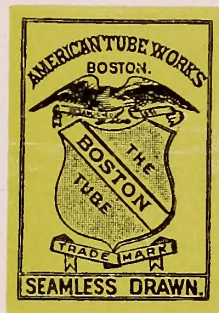
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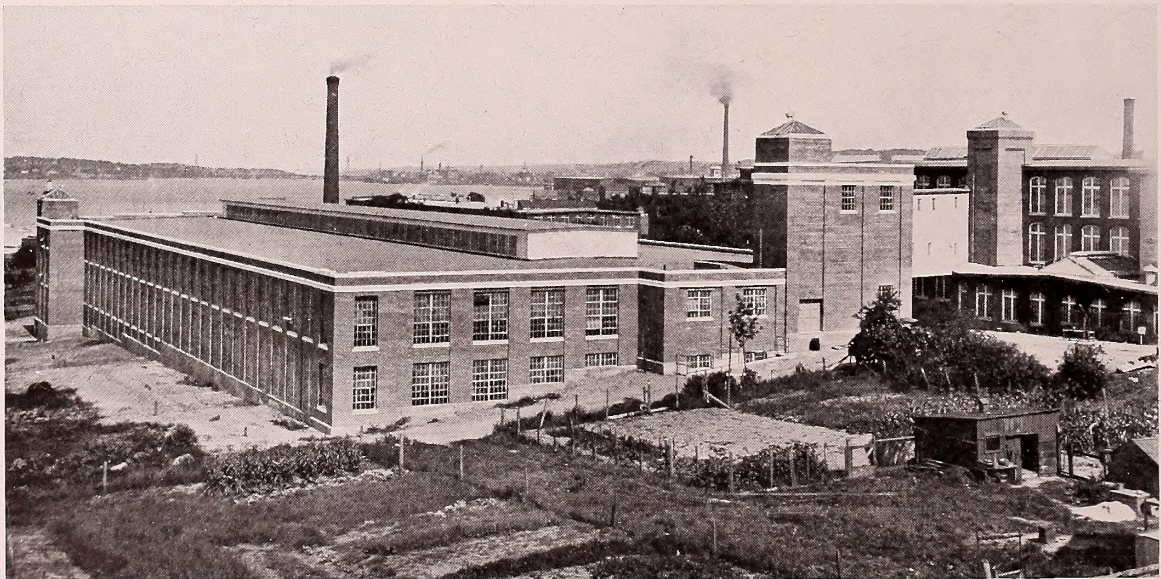
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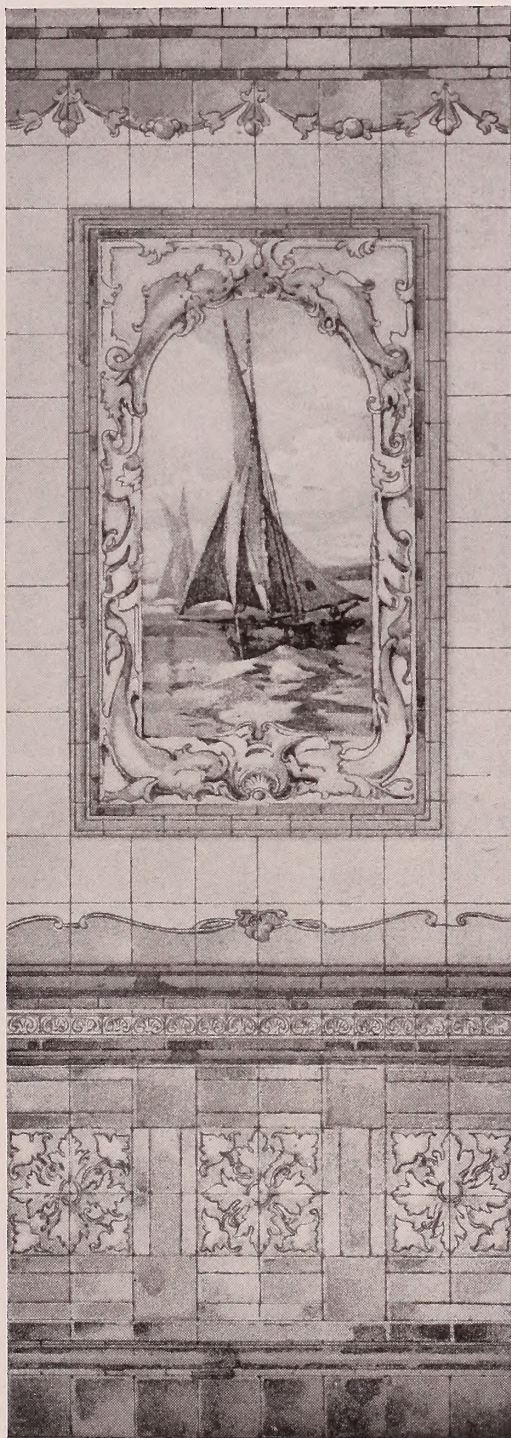
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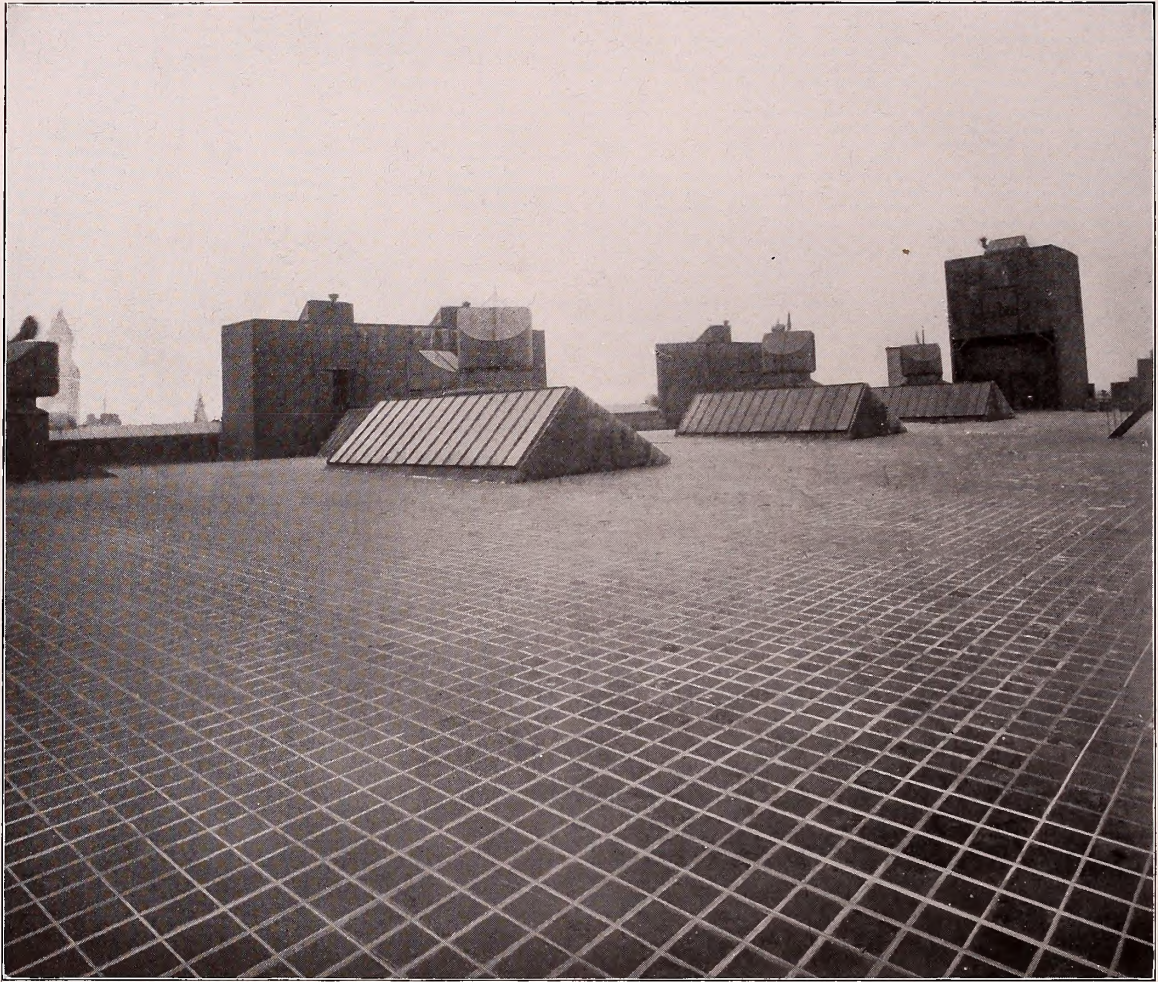
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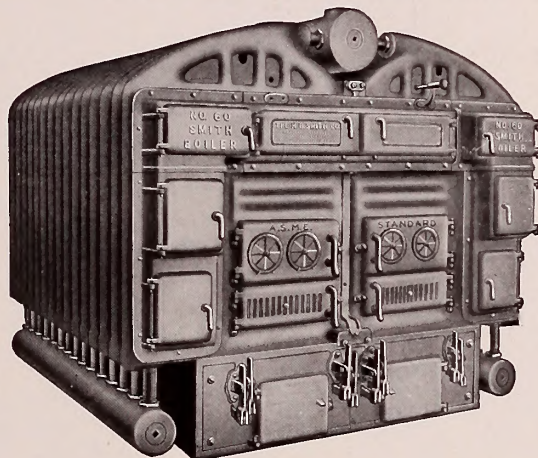
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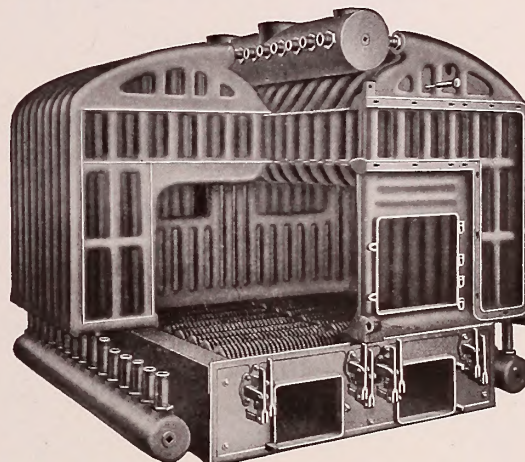
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Solves the Smoke Prevention Problem



Front View



Interior

Tests of a No. 60 Smith Boiler with Smokeless Furnace (Items correspond to A. S. M. E. Boiler Report Form)

1. Test of a No. 60 SMITH BOILER, to determine its efficiency when operating at 63% of rating.
 2. Kind of boiler: Cast iron. 20 sections, with mixing and combustion chambers for reducing smoke.
 3. Grate dimensions: Width 60 ins.; length 78 ins.; Area.....32.5 sq. ft.
 5. Water heating surface.....815. sq. ft.
 - 5a. Makers' rated capacity, steam radiation.....15,600 feet
 8. Date of test.....March 28, 1919
 9. Duration of test.....23.9 hrs.
 10. Kind and size of coal.....Semi-bituminous
- AVERAGE PRESSURES, TEMPERATURES, ETC.
11. Steam pressure by gauge.....4.5 lbs. per sq. in.
 13. Temp. feed water entering boiler.....185. deg. F.
 14. Temp. of gases escaping from boiler.....500. deg. F.
 15. Force of draft between damper and boiler.....0.13 in.
 17. Quality of steam.....dry

TOTAL QUANTITIES

19. Weight of coal fired, total.....5211 lbs.
20. Per cent of moisture in coal.....1.5 p. c.
21. Weight of dry coal fired.....5130 lbs.
22. Weight of ash and refuse, dry.....560 lbs.
24. Per cent. of ash and refuse in dry coal.....10.8 p.c.
25. Weight of water fed to boiler, total.....57,000 lbs.
27. Factor of evaporation.....1.033
28. Equivalent evaporation from and at 212° F.58,800 lbs.

HOURLY QUANTITIES, CAPACITY AND EFFICIENCY

29. Weight of dry coal fired per hour.....214.2 lbs.
30. Weight of dry coal fired per sq. ft. grate per hour.....6.6 lbs.
32. Equivalent evaporation per hour from and at 212 deg. F.....2470 lbs.
34. Boiler capacity developed, steam radiation 9880 feet
35. Boiler capacity developed, per cent. of makers' rating.....63.0 p. c.
37. Water fed to boiler per pound of coal as fired.....10.9 lbs.
39. Equivalent evaporation per pound of coal as fired.....11.25 lbs.
40. Equivalent evaporation per pound of dry coal.....11.45 lbs.
42. Calorific value of one pound of dry coal...14,280 B.t.u
44. Efficiency of boiler and grate.....77.9

ANALYSIS OF COAL AND FLUE GAS

51. Average per cent CO₂ by Orsat Apparatus.
52. Fuel: Moisture, 1.5; Volatile, 19.0; Fixed Carbon, 71.9; Ash, 7.6%.

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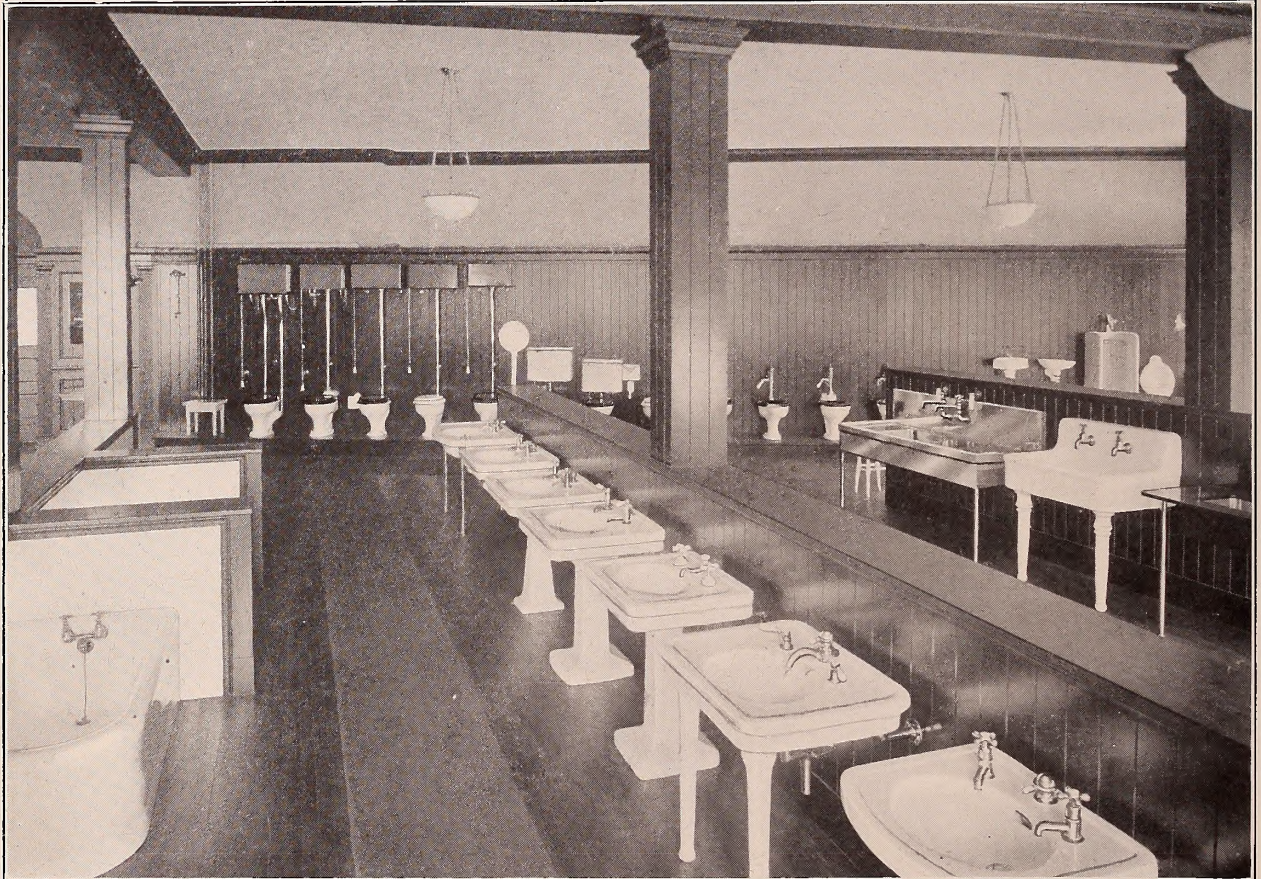
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