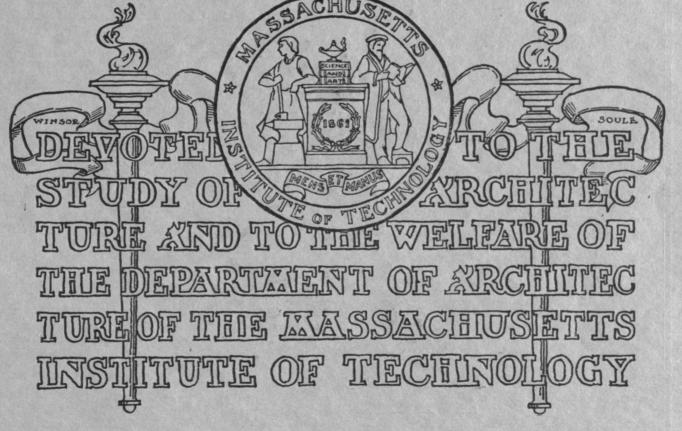
PUBLISHED BY THE DEPARTMENT OF ARCHITECTURE

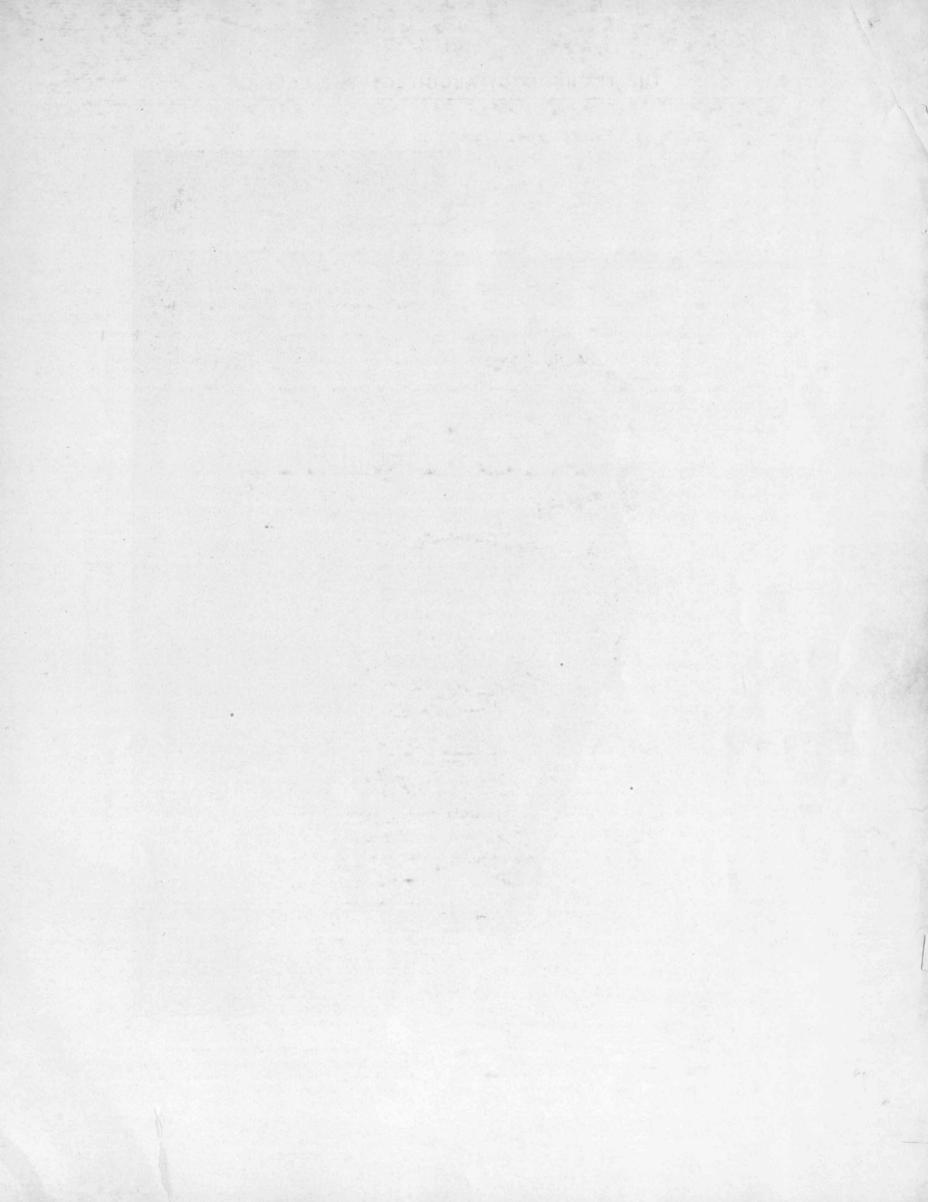


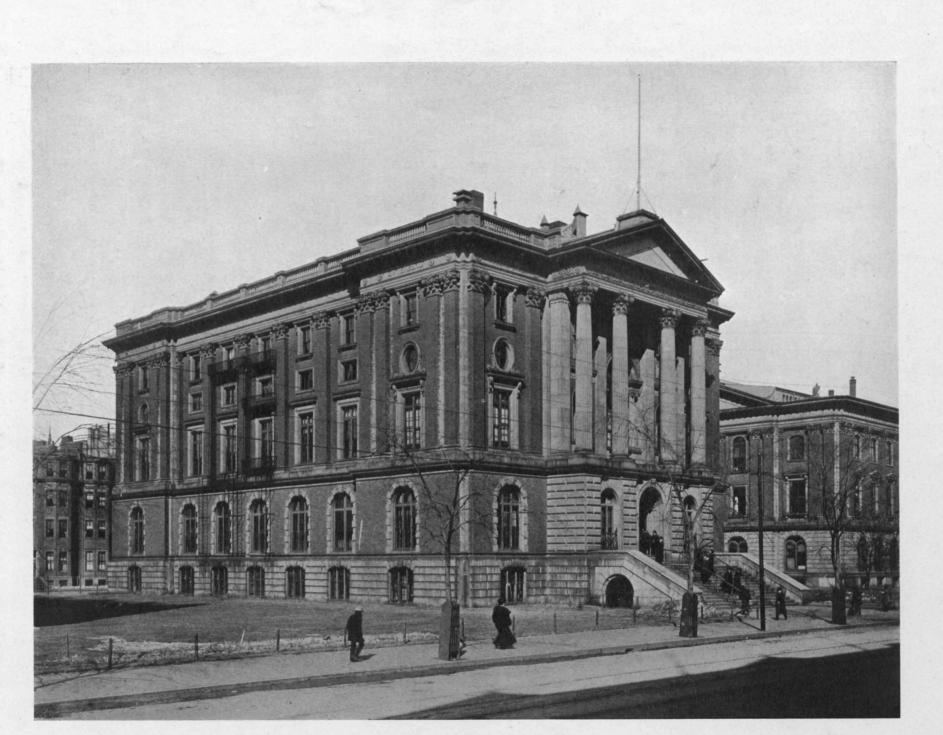
THE TECHNOLOGY ARCHITECTURAL RECORD

VOL 10

1917







DEPARTMENT OF ARCHITECTURE, MASSACHUSETTS INSTITUTE OF TECHNOLOGY ROGERS BUILDING, BOSTON THE TECHNOLOGY ARCHITECTURAL RECORD

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

RICHARD C. MACLAURIN FRANCIS R. HART ALFRED E. BURTON ALLYNE L. MERRILL ROBERT P. BIGELOW HORACE S. FORD WALTER HUMPHREYS O. F. WELLS President Treasurer Dean Secretary of the Faculty Librarian Bursar Registrar and Recorder Assistant Registrar

General correspondence should be addressed to the Secretary, Professor A. L. Merrill

DEPARTMENT OF ARCHITECTURE

FRANCIS W. CHANDLER, Architect, A.I.A. PROFESSOR OF ARCHITECTURE, EMERITUS RALPH ADAMS CRAM, Litt.D., F.R.G.S., F.A.I.A., A.N.A. PROFESSOR OF ARCHITECTURE Honorary Corresponding Member of the Royal Institute of British Architects WILLIAM H. LAWRENCE, S.B., A.I.A., Chairman of the Department PROFESSOR OF ARCHITECTURAL ENGINEERING HARRY W. GARDNER, S.B., Architect Associate Professor of Architecture STEPHEN CODMAN, A.B., A.I.A., Architect ASSOCIATE PROFESSOR OF ARCHITECTURE JOHN O. SUMNER, A.B. PROFESSOR OF HISTORY ASSISTANT PROFESSOR OF FREEHAND DRAWING W. FELTON BROWN CHARLES EVERETT, A.B., Architect ASSISTANT PROFESSOR IN ARCHITECTURE Architecte Diplomé par le Gouvernement Français INSTRUCTOR IN ARCHITECTURE ISRAEL P. LORD, Architect Holder of the Rotch Traveling Scholarship, 1908-10 RUSSELL W. PORTER, Architect INSTRUCTOR IN ARCHITECTURE CLARENCE E. MORROW, S.B. INSTRUCTOR IN ARCHITECTURAL ENGINEERING EDWIN C. HOLBROOK, S.B. INSTRUCTOR IN ARCHITECTURAL ENGINEERING H. LANGFORD WARREN, A.M., Architect, F.A.I.A. LECTURER ON HISTORY OF ARCHITECTURE C. HOWARD WALKER, Architect, F.A.I.A. INSTRUCTOR IN HISTORY OF ORNAMENT ALEXANDER S. JENNEY, Architect, A.I.A. INSTRUCTOR IN PROFESSIONAL PRACTICE HARRISON W. HAYWOOD, S.B., Associate Professor of Applied Mechanics CONCRETE LABORATORY EDWARD F. ROCKWOOD, S.B., Member Am. Soc. C. E. CONCRETE CONSTRUCTION

Officers in Charge of Related Departments Giving Instruction to Students of Architecture

CHARLES R. CROSS, S.B. THAYER PROFESSOR OF PHYSICS; DIRECTOR OF THE ROGERS LABORATORY EDWARD F. MILLER, S.B. PROFESSOR OF STEAM ENGINEERING CHARLES M. SPOFFORD, S.B. HAYWARD PROFESSOR OF CIVIL ENGINEERING

WILLIAM T. SEDGWICK, PH.D. PROFESSOR OF BIOLOGY DAVIS R. DEWEY, PH.D.

PROFESSOR OF ECONOMICS AND STATISTICS HARRY W. TYLER, Ph.D. PROFESSOR OF MATHEMATICS HENRY G. PEARSON, A.B. PROFESSOR OF ENGLISH HENRY P. TALBOT, PH.D.

PROFESSOR OF INORGANIC AND ANALYTICAL CHEMISTRY CHARLES F. A. CURRIER, A.M.

PROFESSOR OF HISTORY AND POLITICAL SCIENCE WALDEMAR LINDGREN, M.E.

PROFESSOR OF GEOLOGY FRANK VOGEL, A.M.

PROFESSOR OF MODERN LANGUAGES ALFRED E. BURTON, S.B.

PROFESSOR OF TOPOGRAPHICAL ENGINEERING

DEPARTMENT OF ARCHITECTURE

General Statement

The Course in Architecture. The curriculum is designed to supply the fundamental training required for the practice of architecture. The reputation of the course has been sustained by the strictest adherence to that high standard of efficiency for which the Institute of Technology is noted. It recognizes that architecture is a creative art, and requires more knowledge of liberal studies and less of pure science than the profession of the engineer. This condition has been met through specially prepared courses. Full appreciation of the value of the important study of design is shown by the fact that the instructors who have it in charge are not only highly trained men, but that they have the experience which comes from an active practice of their profession

Advantages of Situation. The school is in the heart of the city,— a great museum of architecture,— in which one is in close touch with the work of the best architects of the day. Building-operations can be watched from beginning to end. The nearness to architects in their offices is such that they show their interest in the school through constant visits. The Museum of Fine Arts is within easy reach, where every opportunity is offered the student to make use of its splendid equipment. The Public Library offers the students the use of its choice architectural library without any annoying restrictions. The Art Club, near at hand, as well as other exhibitions of pictures and fine arts so generally opened to the public, are valuable adjuncts to the course of instruction.

Equipment. The equipment of the Department comprises a gallery of drawings, including original envois of the Prix de Rome, unequaled in this country; as fine a working library as can be desired, containing four thousand five hundred books, twenty thousand photographs, fifteen thousand lantern-slides, and prints and casts of great value.

Four-Year Course. The regular course leading to the degree of Bachelor of Science is of four years' duration. It includes two Options,— one designed for those to whom the esthetic side of Architecture makes the strongest appeal; the other designed for those who prefer the Engineering branches of their profession. The two Options run very nearly parallel for the first year and a half, and each embraces the fundamentals essential to the education of all architects. At the middle of the second year the line of demarcation becomes more distinct, and in the third and fourth years it is very sharply defined; but general subjects common to both Options continue through the four years, and emphasize the close relation between the two and the interdependence of one upon the other in a complete architectural equipment.

General Architecture, Option I, lays its greatest stress upon Design and Art, with only enough training in Engineering to enable the student to understand the structural necessities of his design and to discuss intelligently the general engineering phases of his practice. Architectural Engineering, Option II, lays its greatest stress upon Structural Design and Engineering, but includes enough training in General Architecture and Art to put the student into full sympathy with the ideals of his profession.

Graduate Courses. Opportunities are offered in each Option for a further year of advanced professional work leading to the degree of Master of Science to graduates of the Institute, and to others who have had a training substantially equivalent to that given in the undergraduate course. The value of this graduate work cannot be overestimated. The good results obtained through a year's uninterrupted study of subjects essential to the highest professional success, and for which the previous four years' training has prepared the student, are in extraordinary evidence.

Summer Courses. These courses, of eight weeks' duration, in second and third year Design, Shades and Shadows, and Perspective, are open to students who have the required preparation, and who desire to make up back work or to anticipate a portion of the professional work of the regular school year.

College Graduates. Students who have completed a college course before entering the Department will have covered much of the general work required and can usually obtain the degree of the Institute in two years and a summer course. College students who propose to enter the Department are advised to communicate with the Secretary of the Institute in order that in the arrangement of their college courses they may anticipate as far as possible the Institute requirements.

Special Students. Applicants must be college graduates or twenty-one years of age with not less than two years of experience in an architect's office or some equivalent and satisfactory preparation. They must give evidence of this preparation through personal conference, letters from former employers, and by the presen-tation of drawings covering their experience. They must take in their first year of residence the courses in Descriptive Geometry, Mechanical Drawing, and English, unless these subjects have been passed at the September examinations for advanced standing or excuse has been obtained on the basis of equivalent work accomplished elsewhere. Entrance to these courses must be approved by the Departments of Drawing and English, and satisfactory records must be obtained in order to continue architectural subjects. All special students must also register for second-year Freehand Drawing. The first week of this course will be considered a test period to determine the standing of the student. In general, special students in Option I are required to take, in addition to the subjects already mentioned, courses in Design, Shades and Shadows, Perspective, Applied Per-spective, and Architectural History — the arrangement of subjects for each student to be approved by the Department. To become eligible for the Traveling Fellowship in Architecture a special student must obtain satisfactory records for full undergraduate requirements in all the subjects mentioned above, for History of European Civilization and Art, Philosophy of Architecture, and for graduate Design. Special students who desire to take work in Architectural Engineering must pass or offer equivalents for entrance examinations in Mathematics and Physics, and courses in Mathematics, Physics, and Applied Mechanics required in the Option.

The Catalogue of the Institute, giving more detailed information, will be sent on application to the Secretary of the Institute, Professor A. L. Merrill.

Scholarships and Prizes

Scholarships and Fellowships. Certain funds are available for the assistance of well-qualified students for undergraduate and for postgraduate work.

Prizes. The Department offers the following annual prizes, which, with the exception of the Rotch Prizes, are awarded for competitions in Design:

Traveling Fellowship. One thousand dollars to be devoted to travel and study abroad for one year under the direction of the Department Faculty. The competition for this Fellowship is open to regular and special students who have passed two consecutive years in the school, one of which must have been in the postgraduate class.

Student Medal of the American Institute of Architects. This medal is awarded on the recommendation of the Department to the member of the graduating class whose record for the course is the best.

Rotch Prizes. The gift of Mr. Arthur Rotch. Two prizes of two hundred dollars awarded at the end of the senior year to the regular and the special student having the best general records. The special student must have spent at least two years in residence to be eligible as a candidate.

The Boston Society of Architects' Prizes. The gift of the Society. Two prizes of fifty dollars awarded to a regular and a special student in the senior class.

French Society of Architects' Prizes. The "Société des Architectes diplomés par le Gouvernement Français" places each year at the disposal of the Department two medals — one of gold, the other of silver — to be awarded in competition in the combined senior and postgraduate classes.

The Chamberlain Prize. The gift of Mr. W. E. Chamberlain of the Class of 1877. Twenty-five dollars awarded to a student in the postgraduate class.

The F. W. Chandler Prizes. The gift of the alumni of the Department and of Professor Chandler's friends. Five prizes of ten dollars each awarded for sketch problems in the third, fourth, and postgraduate years.

The "Class of 1904" Prizes. The gift of the Class of 1904. Two prizes of ten dollars awarded to a regular and a special student in the junior class.

Architectural Society Scholarship Fund. This fund is the gift of the Architectural Society of the Institute. The income to be used for loans to such students of the Department as may be approved by the Trustees.

Graduates of the Department have special advantages:

The American Institute of Architects accepts them as candidates for membership without the examinations usually required.

The American Academy in Rome admits them to the preliminary competition for its Fellowship in Architecture.

The Rotch Traveling Scholarship Committee excuses them from the examinations preliminary to the competitions.

COURSES OF INSTRUCTION

OPTION I. ARCHITECTURE

FIRST YEAR

Chemistry English Freehand Drawing French Mathematics Mechanical Drawing Military Science Physical Training Trigonometry

First Term

Second Term Descriptive Geometry English Freehand Drawing French History Mathematics Military Science Perspective Physical Training

SECOND YEAR

First Term Applied Perspective Architectural History Design and Elements of Architecture English Literature Freehand Drawing History Mathematics Physics Shades and Shadows

Second Term Applied Mechanics Applied Perspective Architectural History Design and Elements of Architecture English Literature Freehand Drawing History of Ornament Physics Working Drawings

THIRD YEAR

First Term Applied Mechanics Applied Perspective Architectural History Building Construction Design European Civilization and Art Freehand Drawing Political Economy Water Color

Second Term

Applied Perspective Architectural History Business Law Constructive Design Design European Civilization and Art Freehand Drawing Sanitary Science and Public Health Water Color

FOURTH YEAR

First Term Constructive Design Design English European Civilization and Art Life Class Philosophy of Architecture Professional Relations

COCKIII ILAK

Second Term Design (Thesis) English European Civilization and Art Life Class Philosophy of Architecture Professional Relations

OPTION II. ARCHITECTURAL ENGINEERING

FIRST YEAR

First Term

Chemistry English Freehand Drawing French Mathematics Mechanical Drawing Military Science Physical Training Trigonometry Second Term Descriptive Geometry English Freehand Drawing French History Mathematics Military Science Perspective Physical Training

THIF

First Term Applied Mechanics Architectural History Building Construction Color and Acoustics Electric Wiring and Lighting of Buildings European Civilization and Art Political Economy Professional Relations Structural Design Structural Drawing

THIRD YEAR

Second Term Applied Mechanics Architectural History Business Law European Civilization and Art Materials Professional Relations Structural Design Theory of Structures

SECOND YEAR

First Term

Architectural History Design and Elements of Architecture English Literature Freehand Drawing History Mathematics Physics Shades and Shadows Surveying

Second Term

Architectural History Design and Elements of Architecture English Literature Freehand Drawing Geology Mathematics Physics Sanitary Science and Public Health Working Drawings

First Term

Applied Mechanics Concrete Laboratory English Foundations Heating and Ventilation Hydraulics Philosophy of Architecture Structural Design Testing Materials Laboratory Theory of Structures

FOURTH YEAR

Second Term

English Heating and Ventilation Philosophy of Architecture Steam and Mechanical Appliances for Buildings Structural Design (Thesis) Theory of Structures

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PRIZES AWARDED IN 1916-17

TRAVELING FELLOWSHIP IN ARCHITECTURE R. M. Stowell

THE AMERICAN INSTITUTE OF ARCHITECTS' MEDAL

H. STERNER

BOSTON SOCIETY OF ARCHITECTS' PRIZES

R. H. SCANNELL, Regular Student W. B. COLLEARY, Special Student

FRENCH SOCIETY OF ARCHITECTS' PRIZES

W. B. COLLEARY, Gold Medal

CHAMBERLAIN PRIZE

J. M. BATSCHY

F. W. CHANDLER PRIZES

Fifth Year: E. M. WOODWARD Fourth Year: F. S. CARSON Third Year: F. W. PEERS

THE "CLASS OF 1904" PRIZES

R. T. GIDLEY, Regular Student

L. I. BEAL, Special Student

R. M. STOWELL, Silver Medal

ROTCH PRIZES

H. STERNER, Regular Student

W. B. RIDDELL, Special Student

THE SOCIETY OF TECHNOLOGY ARCHITECTS

An Association of Former Students of the Department of Architecture

Its object, as set forth in the by-laws, is "to further the well-being of the Department of Architecture by fostering the interest of the members in the Department and in each other." It is hoped that this society may become the instrument whereby the former students of the Department may work for its benefit, and help to keep the methods of architectural training and instruction in line with the best professional practice and ideals.

OFFICERS FOR 1917

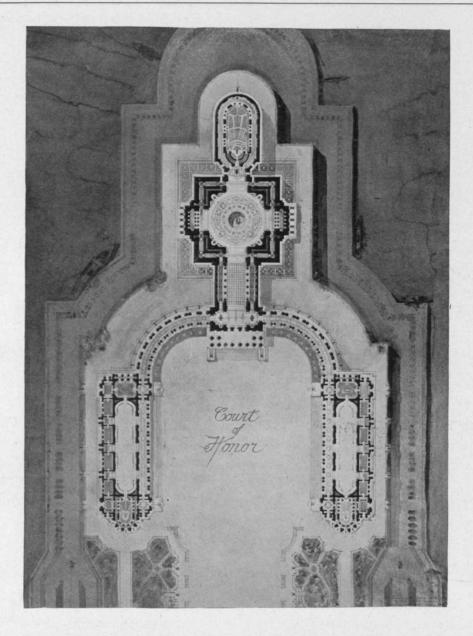
President, MR. WILLIAM H. BRAINERD Secretary-Treasurer, MR. ALEXANDER S. JENNEY

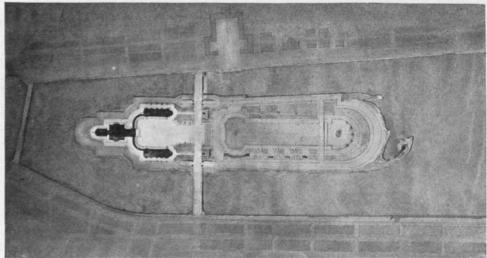
Executive Committee

MR. ARTHUR G. EVERETT, MR. HAROLD E. KEBBON, to serve two years

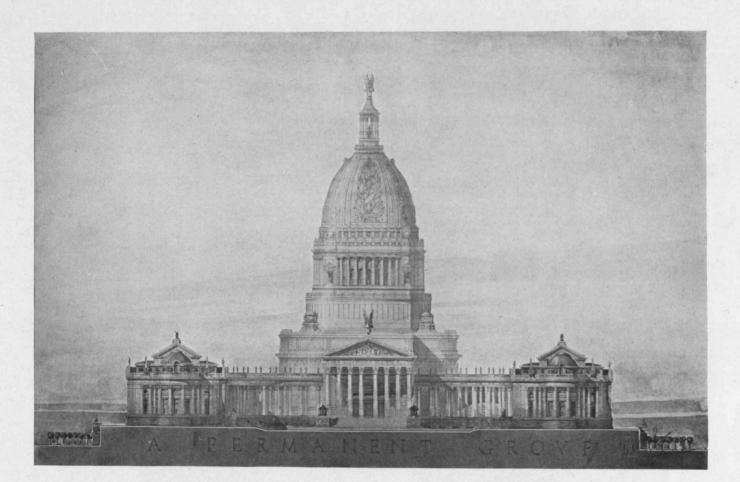
MISS ELEANOR MANNING, MR. STEPHEN CODMAN, to serve one year

7





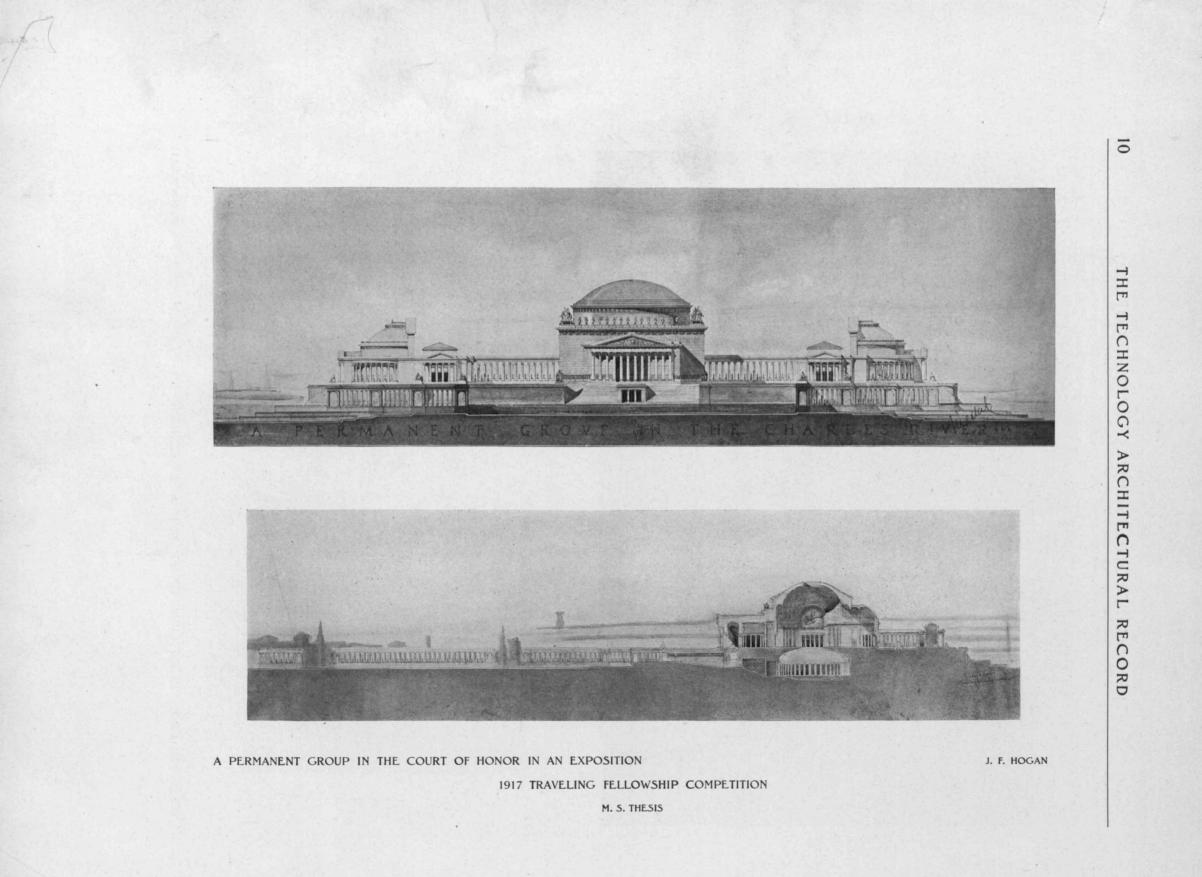
A PERMANENT GROUP IN THE COURT OF HONOR IN AN EXPOSITION 1917 TRAVELING FELLOWSHIP COMPETITION PRIZE. M. S. THESIS R. M. STOWELL



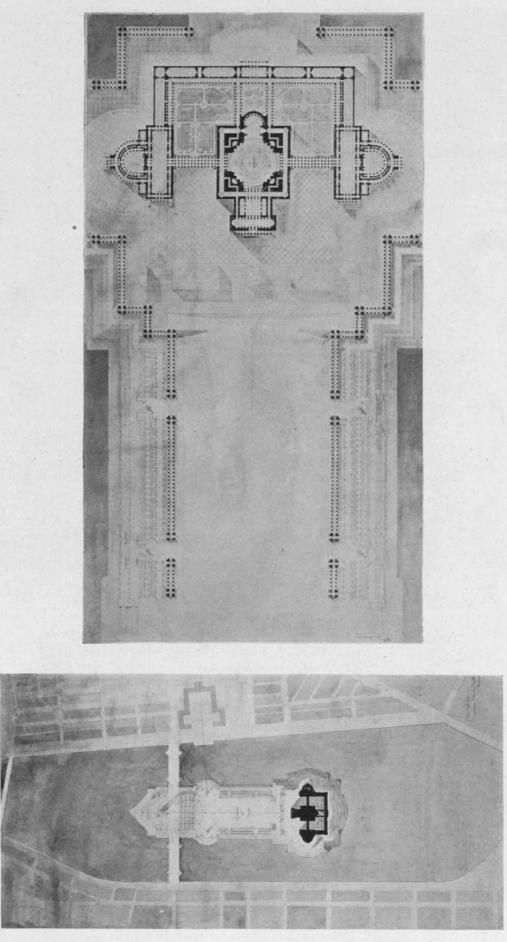


A PERMANENT GROUP IN THE COURT OF HONOR IN AN EXPOSITION

R. M. STOWELL

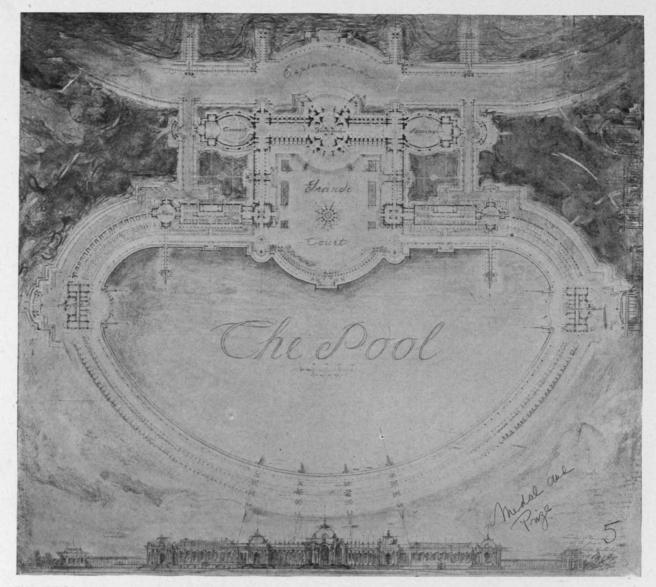


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A PERMANENT GROUP IN THE COURT OF HONOR IN AN EXPOSITION

J. F. HOGAN

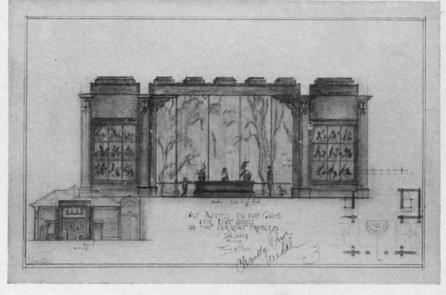


THE POOL

COMPETITION FOR THE CHAMBERLAIN PRIZE ADVANCED DESIGN. PRIZE

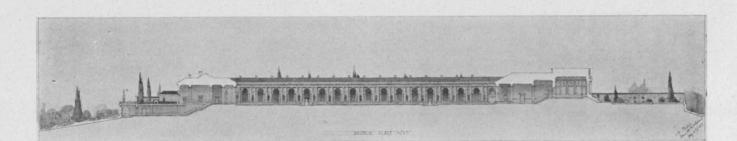
J. M. BATSCHY

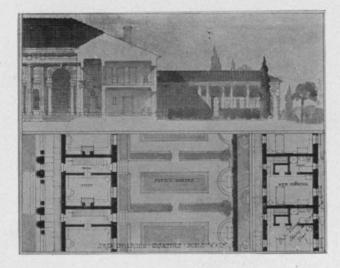
F. W. PEERS



ACCESS TO THE CAGE FOR LIVE BIRDS IN A MUSEUM OF ORNITHOLOGY COMPETITION FOR THE F. W. CHANDLER PRIZE SECOND YEAR OF DESIGN. PRIZE

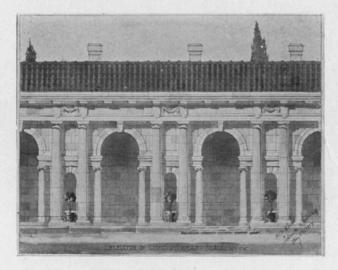
12

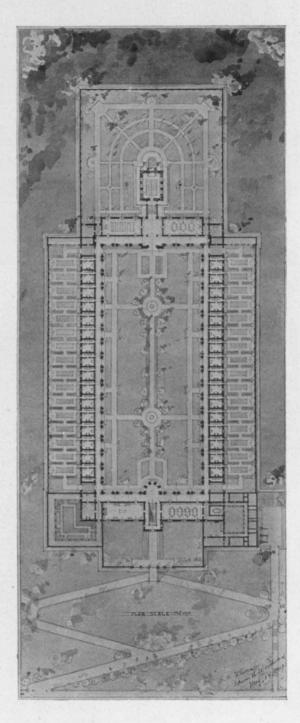


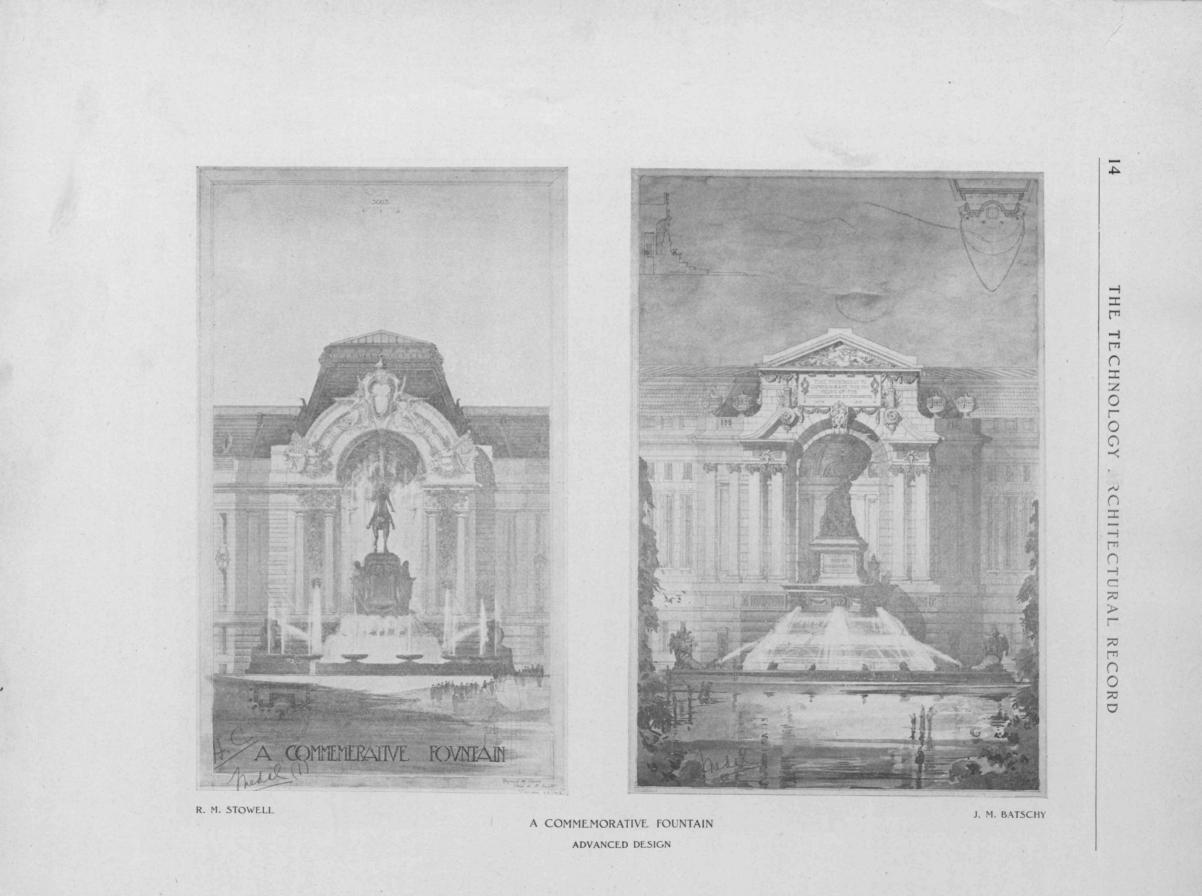


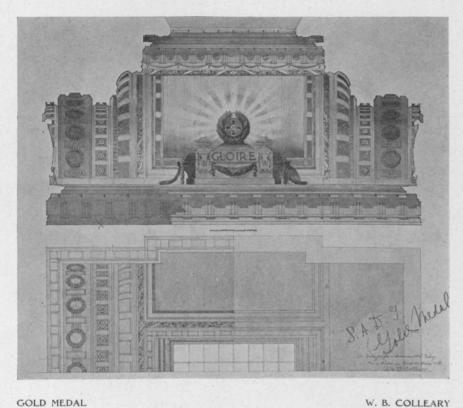
A MODERN PHILOSOPHER'S GARDEN B. S. THESIS

E. M. WOODWARD









GOLD MEDAL

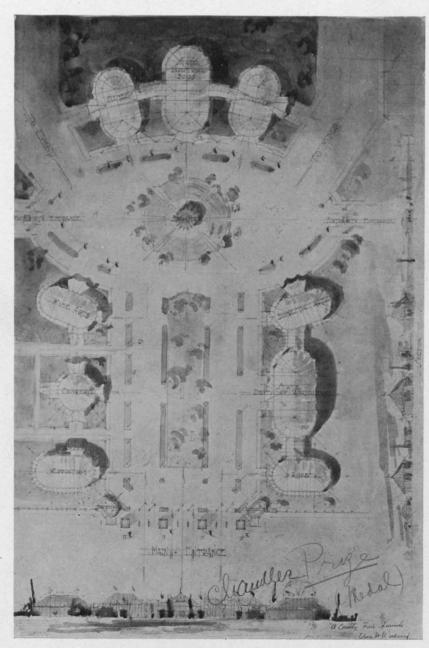
SOCIÉTÉ DES ARCHITECTES DIPLOMÉS PAR LE GOUVERNEMENT FRANÇAIS COMPETITION

THE STUDY OF A MEMORIAL CEILING

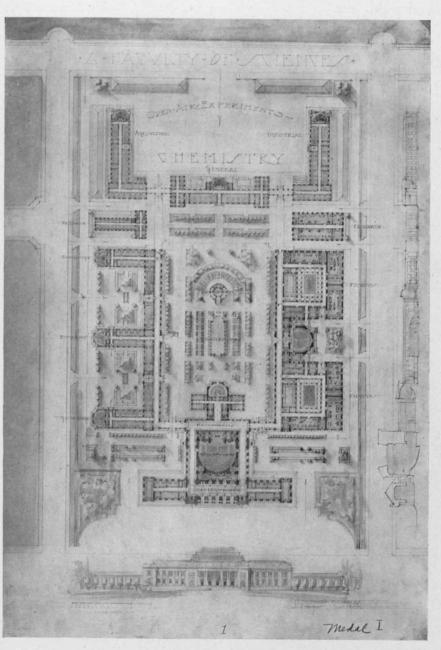


SILVER MEDAL

R. M. STOWELL



A COUNTY FAIR GROUNDS E. M. WOODWARD COMPETITION FOR THE F. W. CHANDLER PRIZE



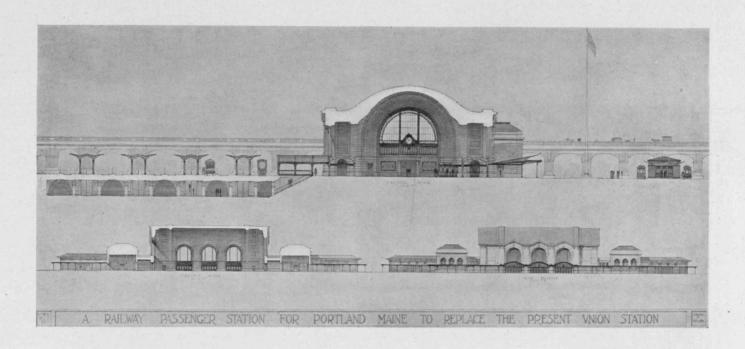
ADVANCED DESIGN

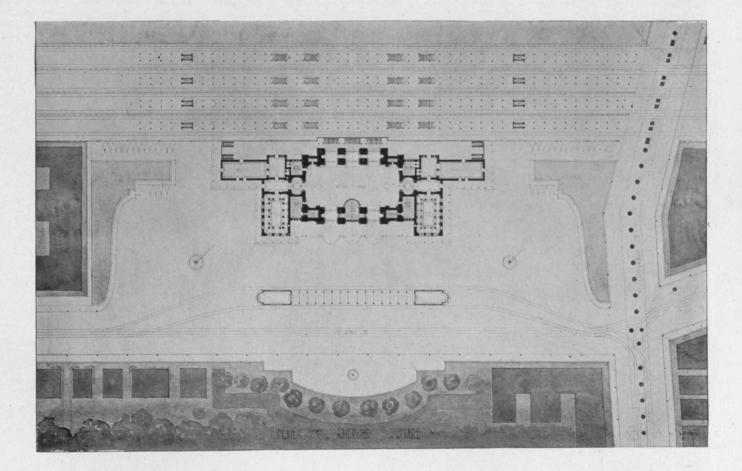
A FACULTY OF THE SCIENCES

J. F. HOGAN

16

THE TECHNOLOGY ARCHITECTURAL RECORD

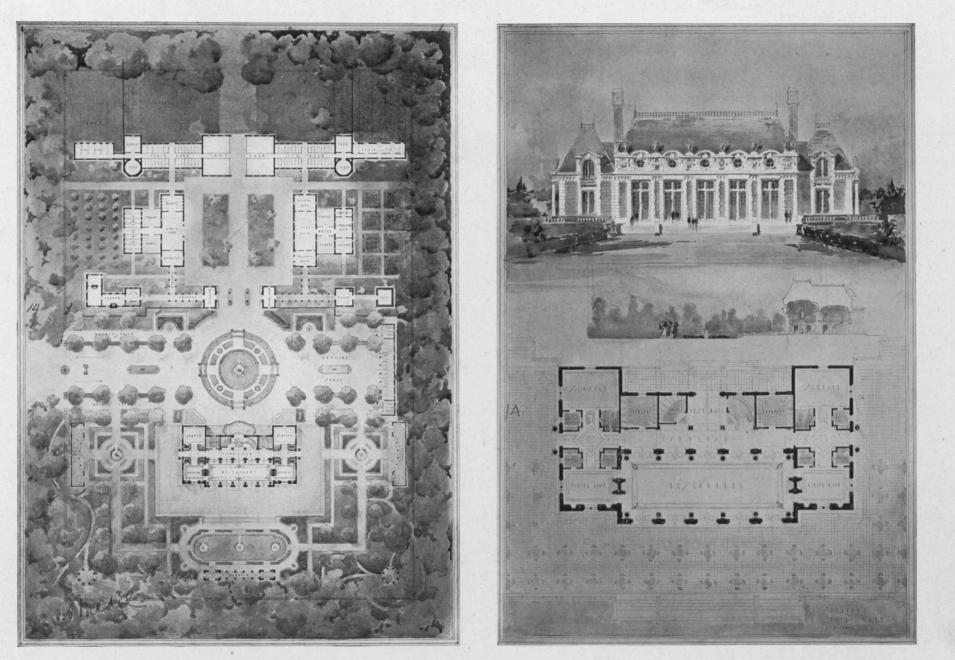




A TERMINAL RAILWAY STATION FOR PORTLAND, MAINE

B. S. THESIS

H. E. AYER



AN ESTABLISHMENT COMBINING A PUBLIC RESTAURANT WITH A DAIRY FARM

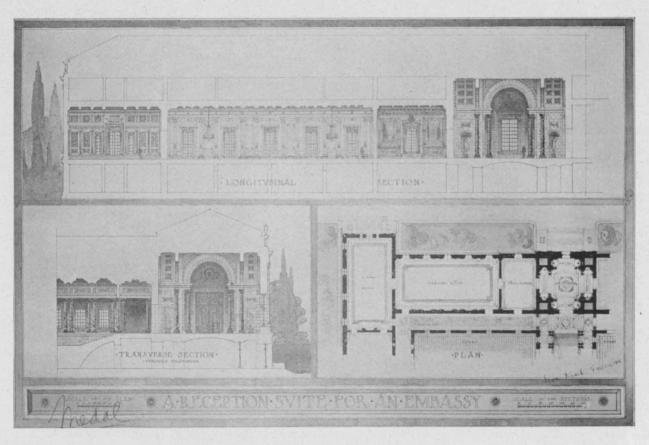
J. T. WHITMORE

THIRD YEAR OF DESIGN

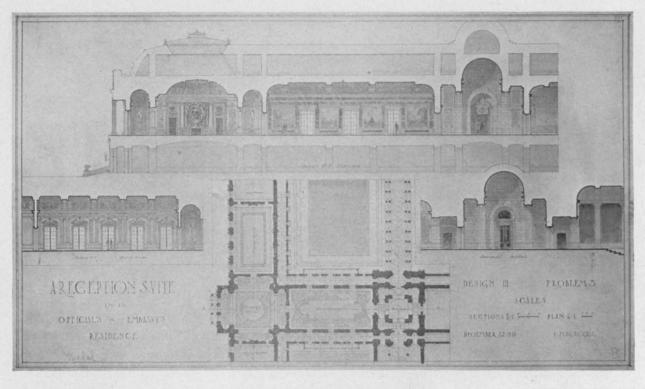
18

THE

TECHNOLOGY ARCHITECTURAL RECORD



L. KEACH



R. M. BLACKALL

A RECEPTION SUITE THIRD YEAR OF DESIGN





PRIZE, REGULAR STUDENT

R. H. SCANNELL PRIZE, SPECIAL STUDENT A WATER ENTRANCE TO A BOTANICAL GARDEN BOSTON SOCIETY OF ARCHITECTS' COMPETITION THIRD YEAR OF DESIGN

W. B. COLLEARY

THE

TECHNOLOGY

ARCHITECTURAL

RECORD



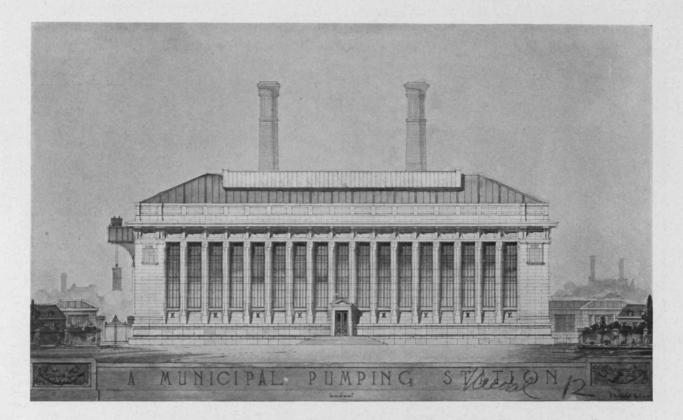


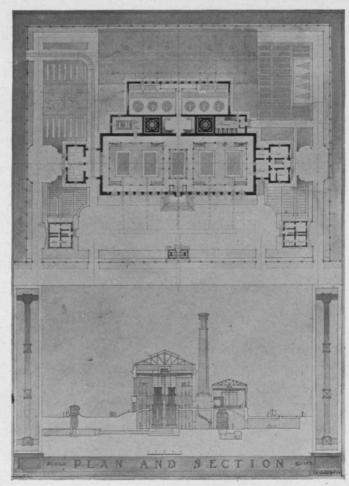
H. STERNER

A WATER ENTRANCE TO A BOTANICAL GARDEN THIRD YEAR OF DESIGN

THE TECHNOLOGY ARCHITECTURAL RECORD

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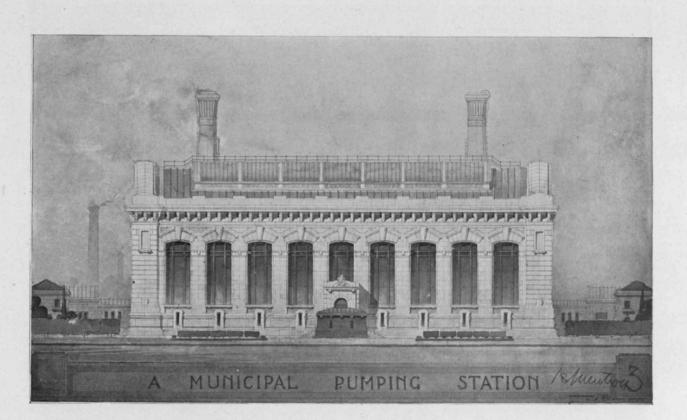


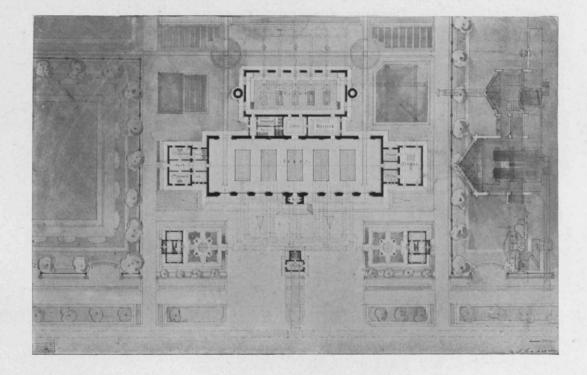


A MUNICIPAL PUMPING STATION

THIRD YEAR OF DESIGN

R. M. BLACKALL



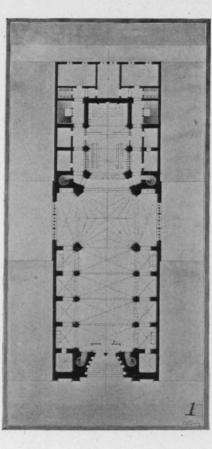


A MUNICIPAL PUMPING STATION

THIRD YEAR OF DESIGN

W. B. RIDDELL

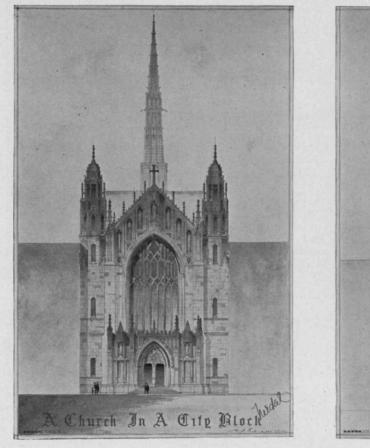


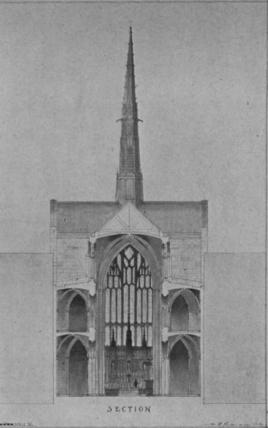


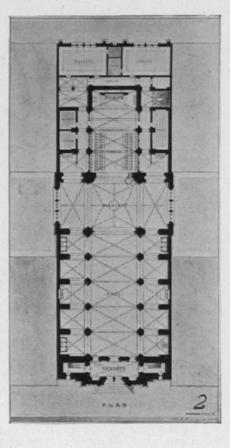
A CITY CHURCH

THIRD YEAR OF DESIGN

E. W. DRURY





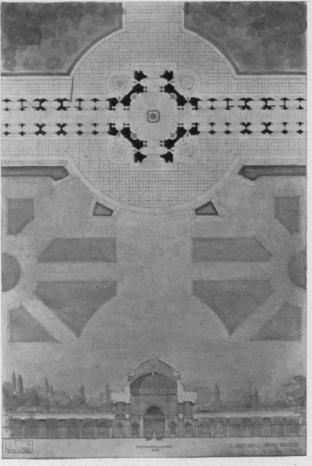


A CITY CHURCH

THIRD YEAR OF DESIGN

W. B. RIDDELL

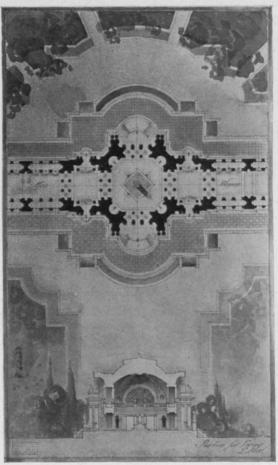




PRIZE, REGULAR STUDENT

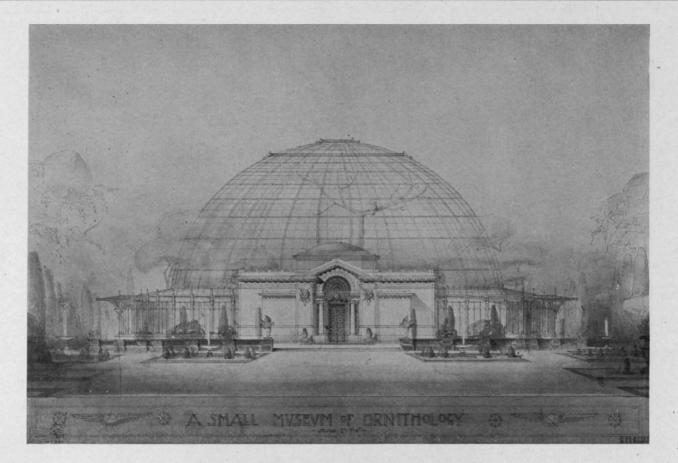
A PAVILION AT A MEDICINAL SPRINGS COMPETITION FOR THE "CLASS OF 1904" PRIZES SECOND YEAR OF DESIGN R. T. GIDLEY

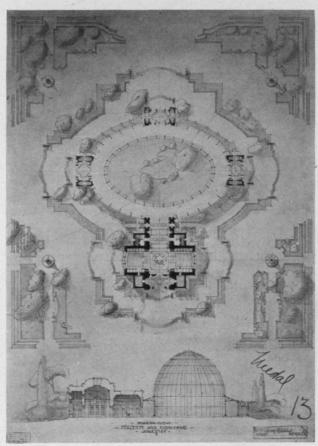




PRIZE, SPECIAL STUDENT

A PAVILION AT A MEDICINAL SPRINGS SECOND YEAR OF DESIGN L. I. BEAL

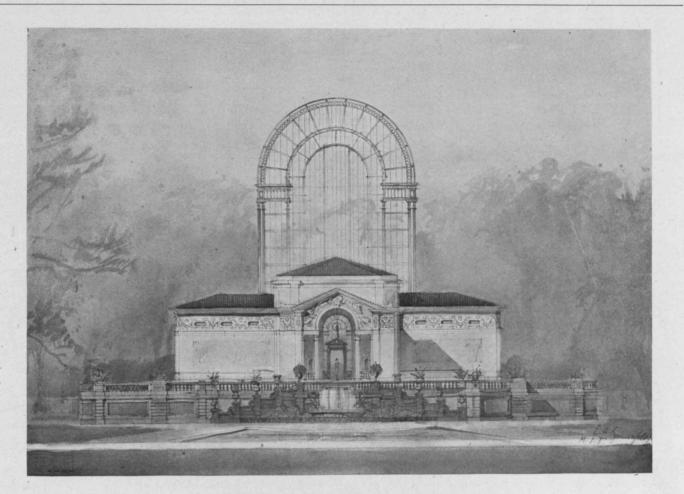


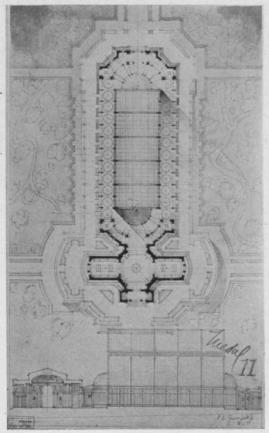


A MUSEUM OF ORNITHOLOGY

SECOND YEAR OF DESIGN

C. M. ELLIS

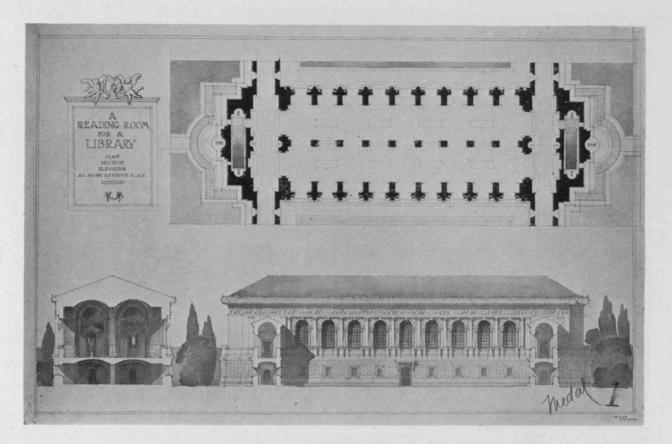


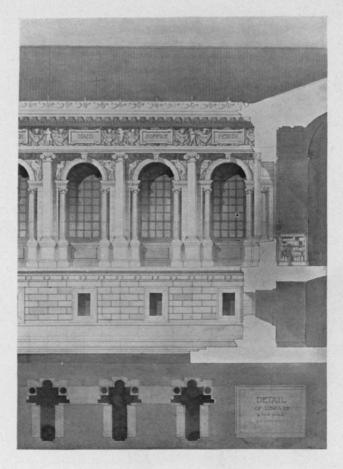


A MUSEUM OF ORNITHOLOGY

SECOND YEAR OF DESIGN

E. A. GRUNSFELD, JR.

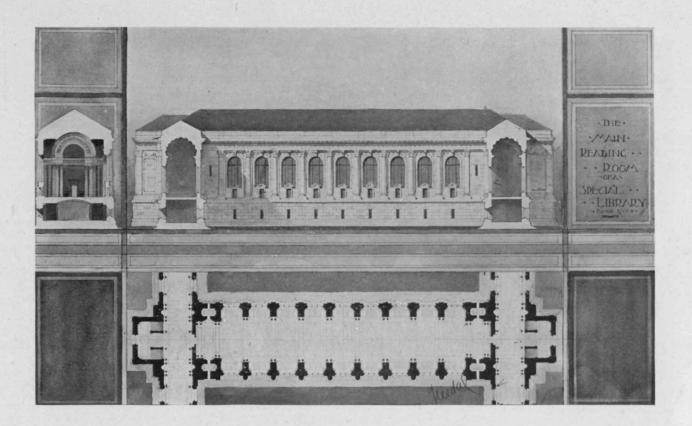


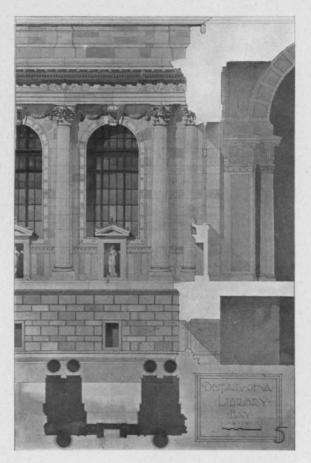


A READING-ROOM FOR A LIBRARY

SECOND YEAR OF DESIGN

MISS E. COIT

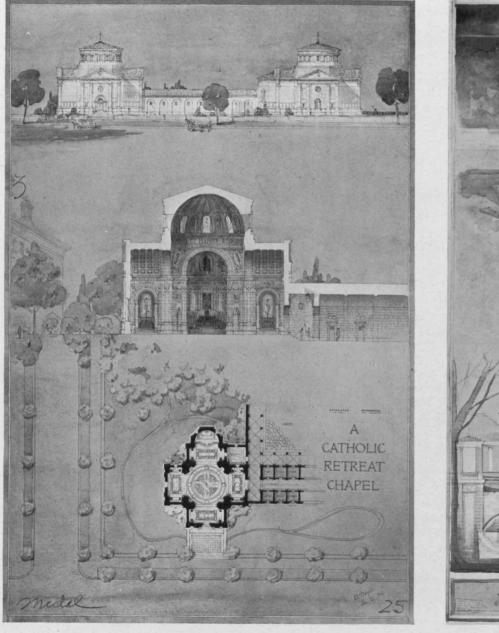


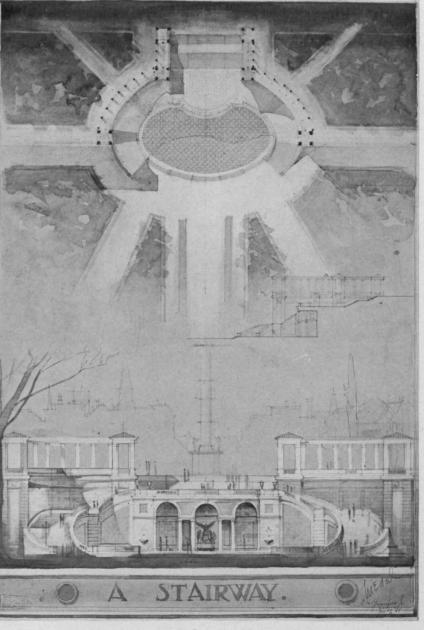


A READING-ROOM FOR A LIBRARY

SECOND YEAR OF DESIGN

H. W. WRIGHT





A ROMAN CATHOLIC CHAPEL

W. S. FRAZIER

SECOND YEAR OF DESIGN

A PROBLEM IN VERTICAL CIRCULATION

E. A. GRUNSFELD, JR.

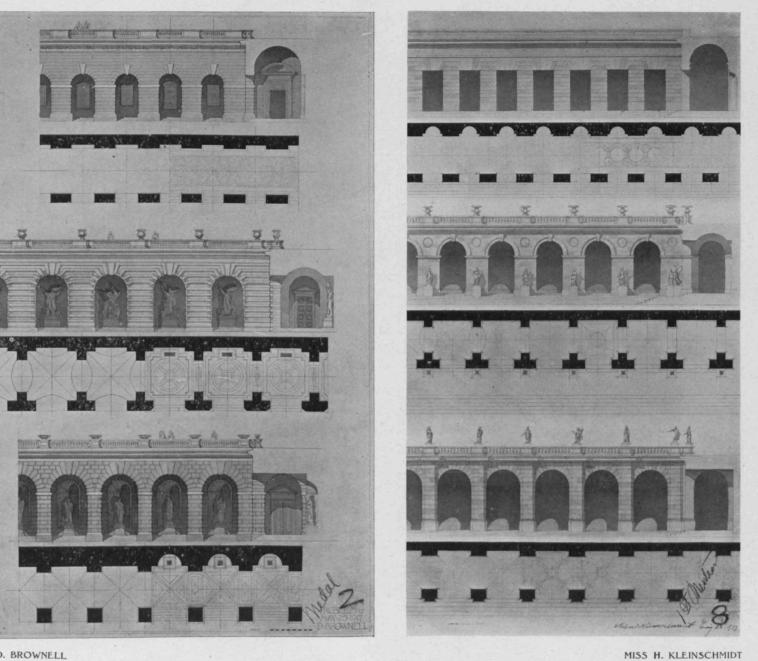
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THE

TECHNOLOGY

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RECORD

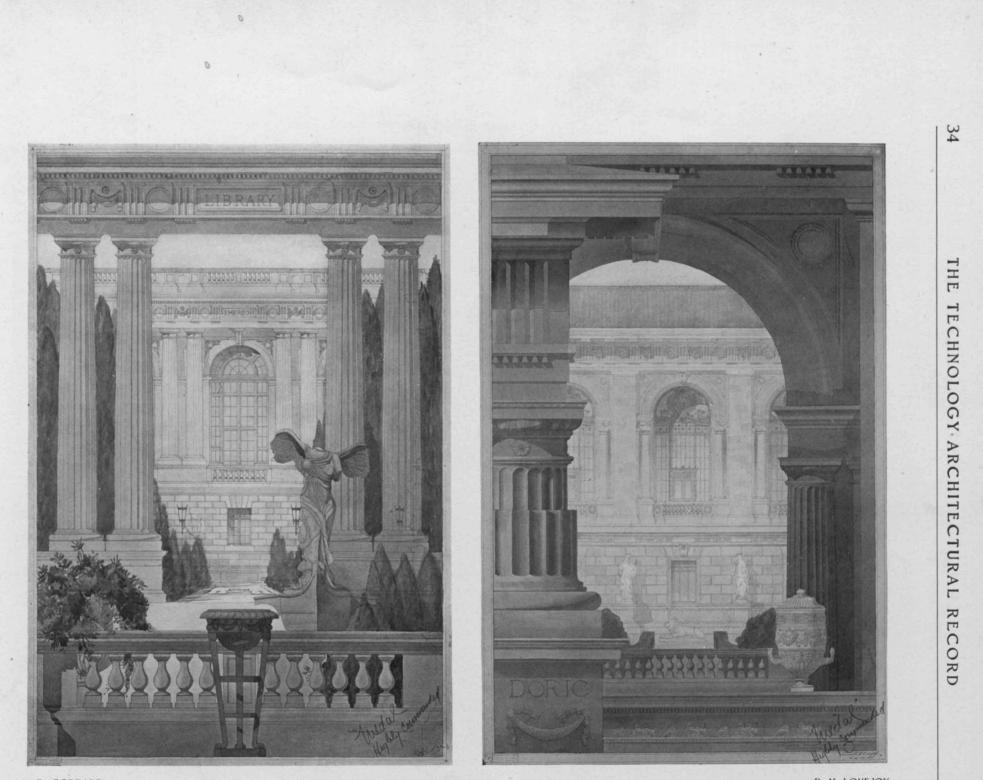


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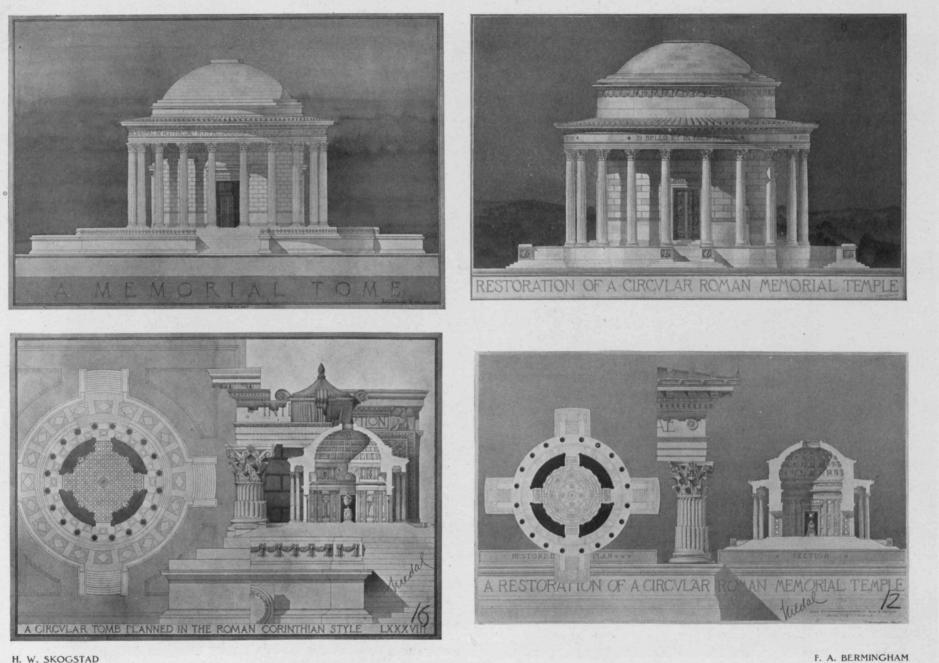


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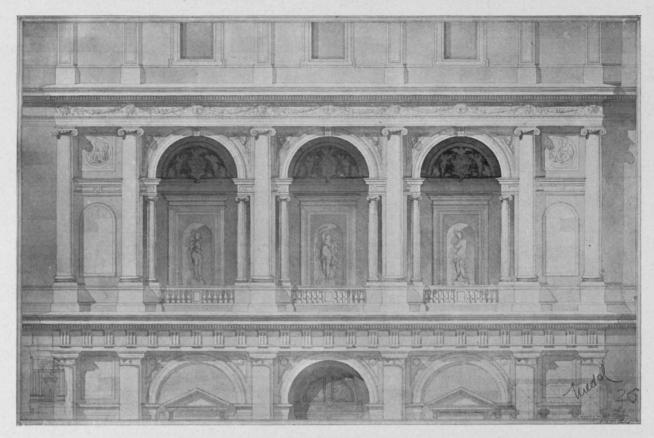
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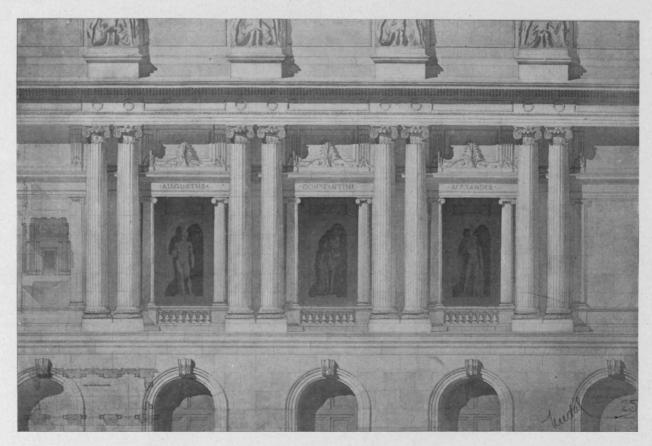
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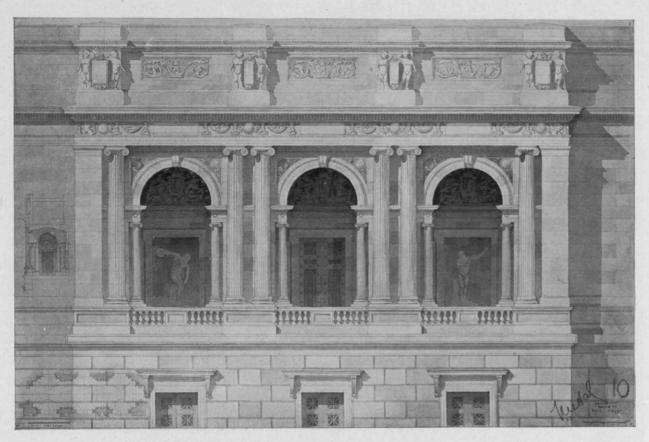


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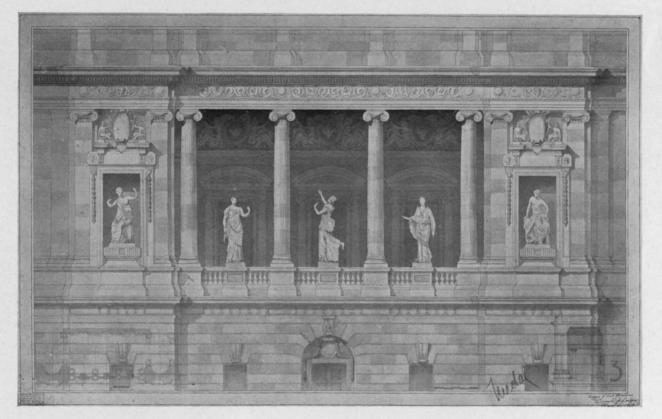


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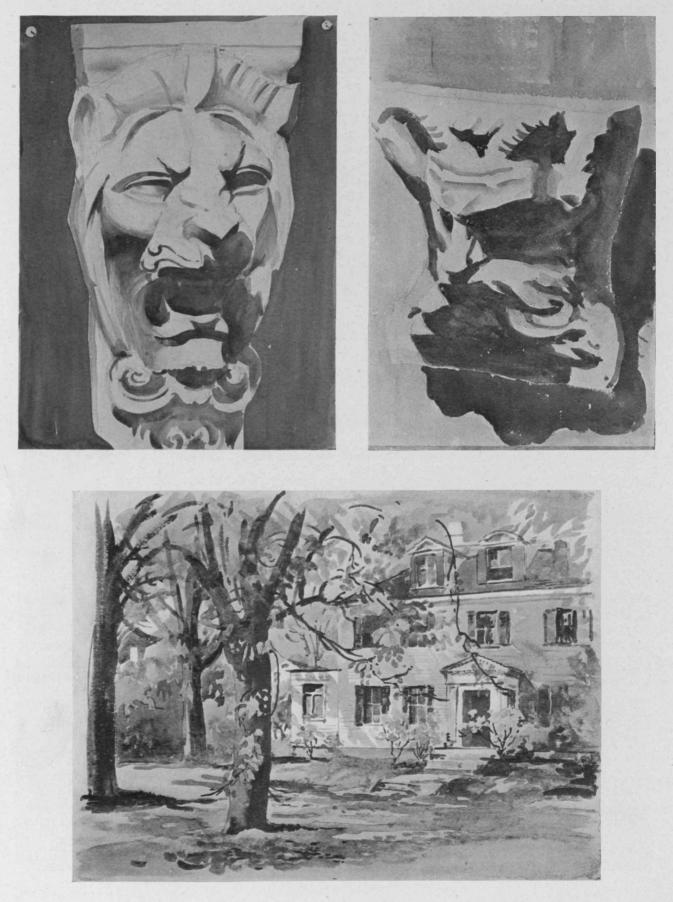


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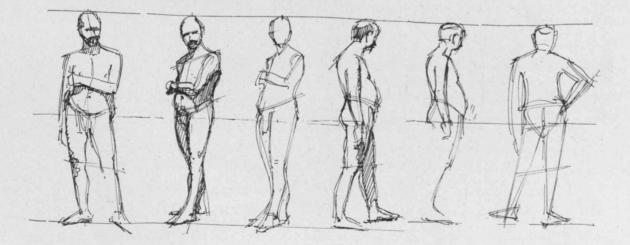
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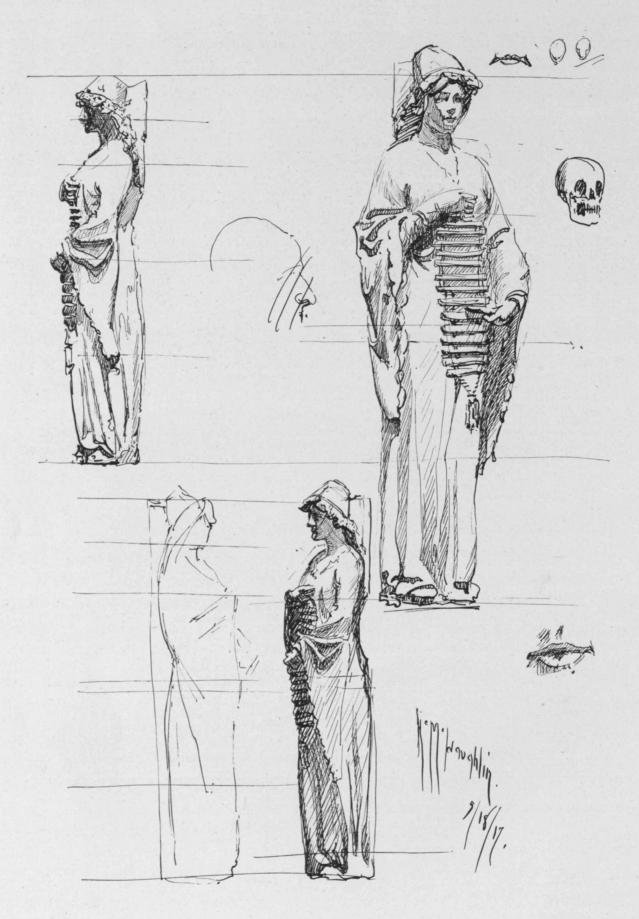


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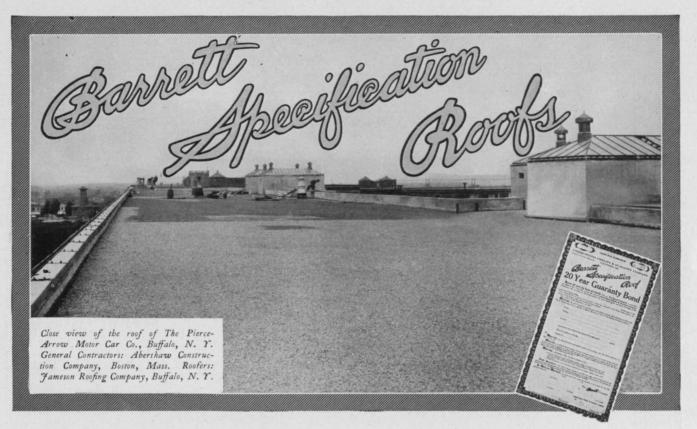


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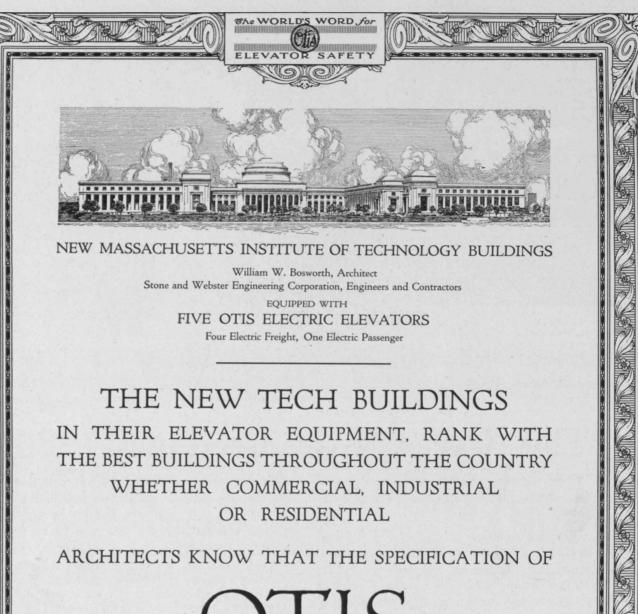
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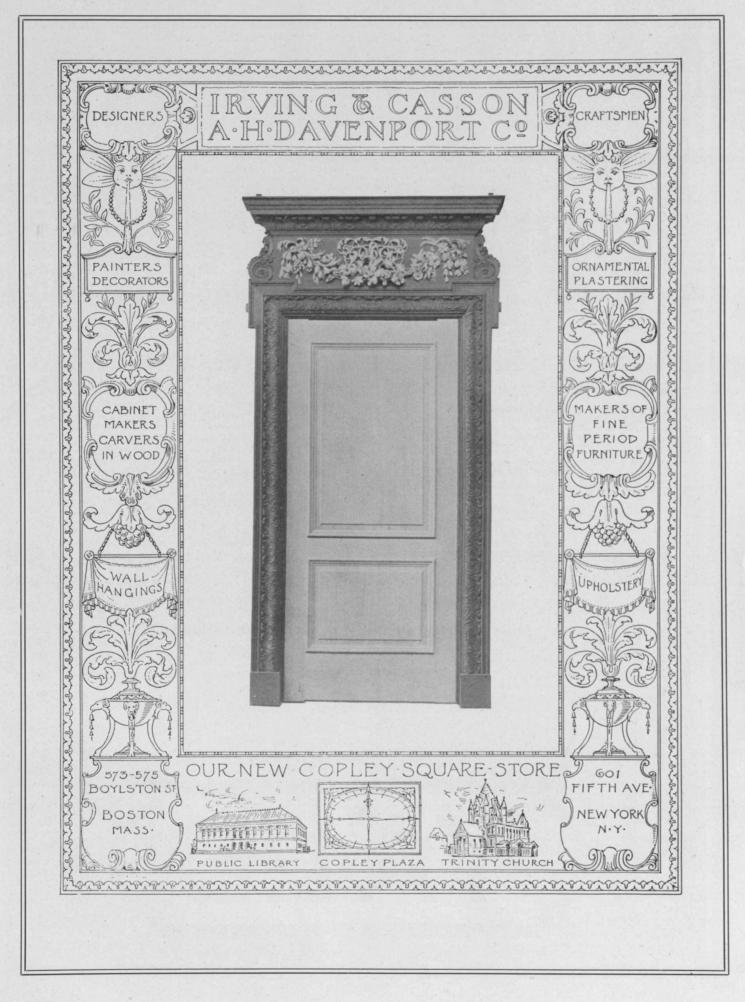


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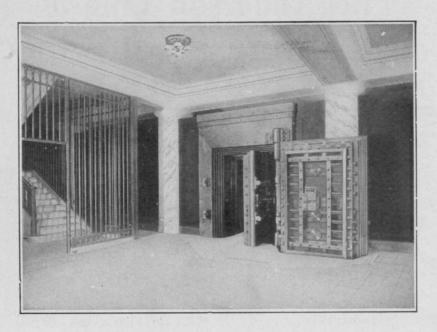
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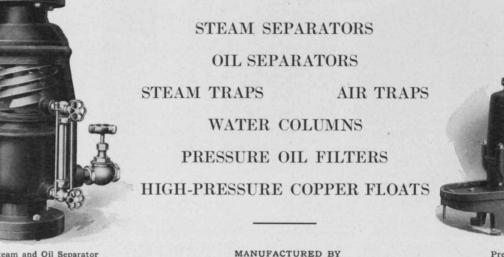
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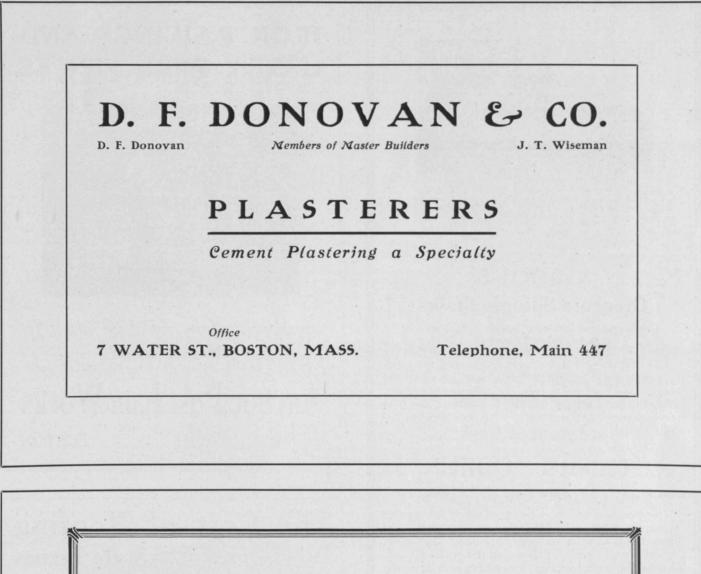
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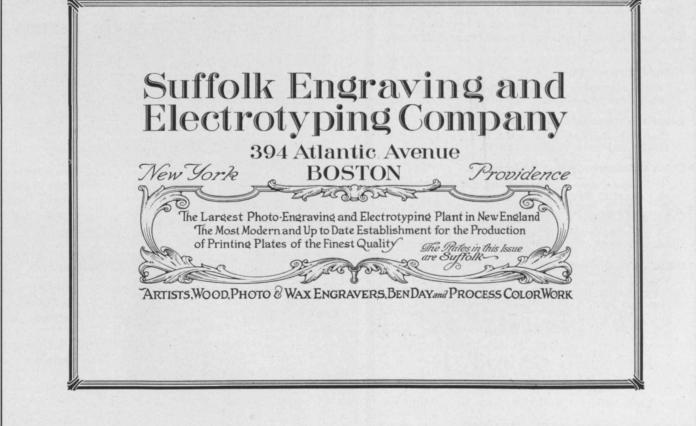
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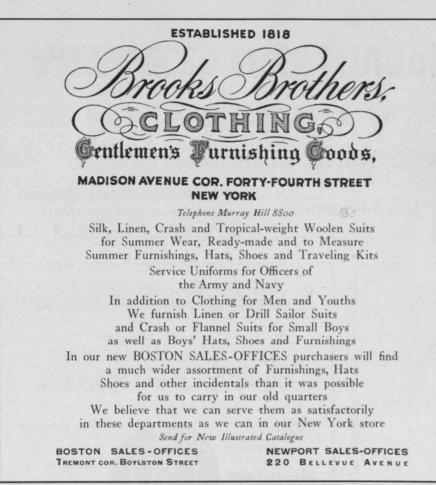
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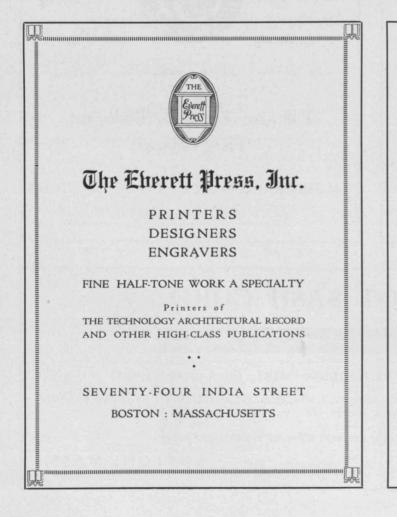
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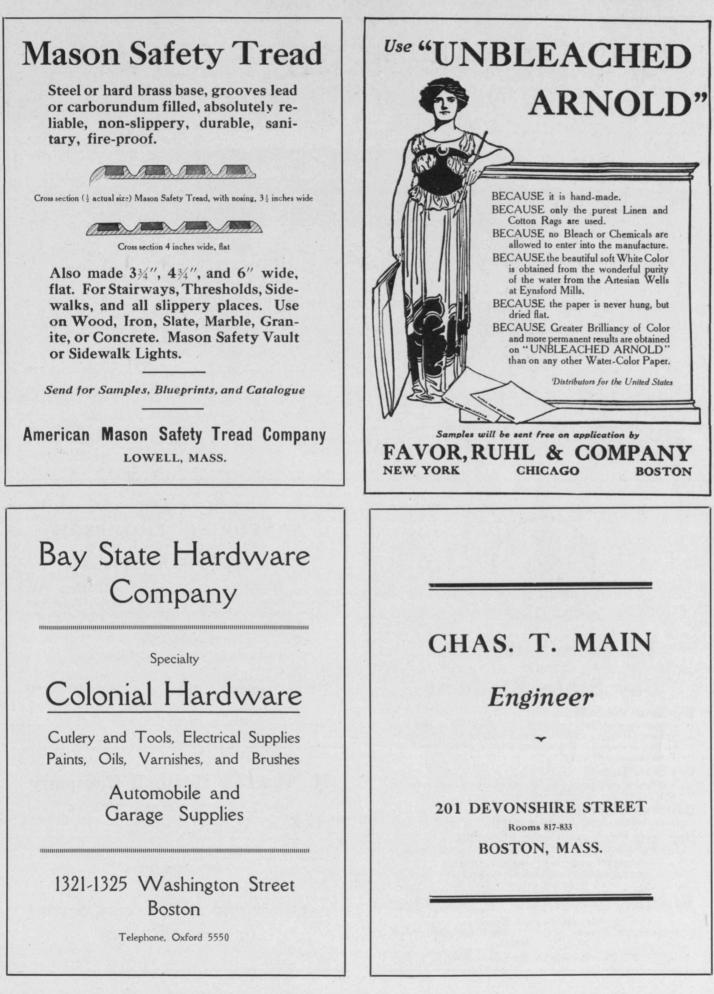
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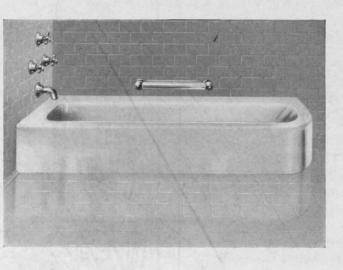






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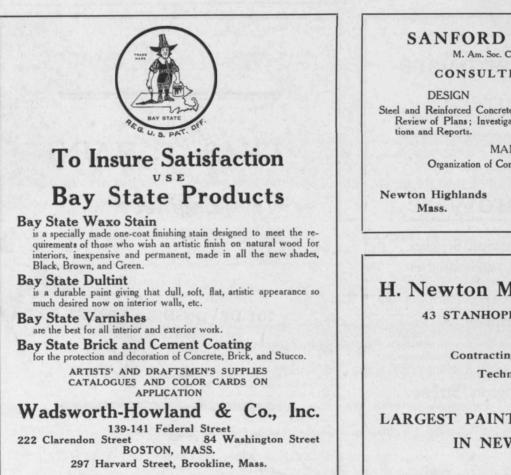
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