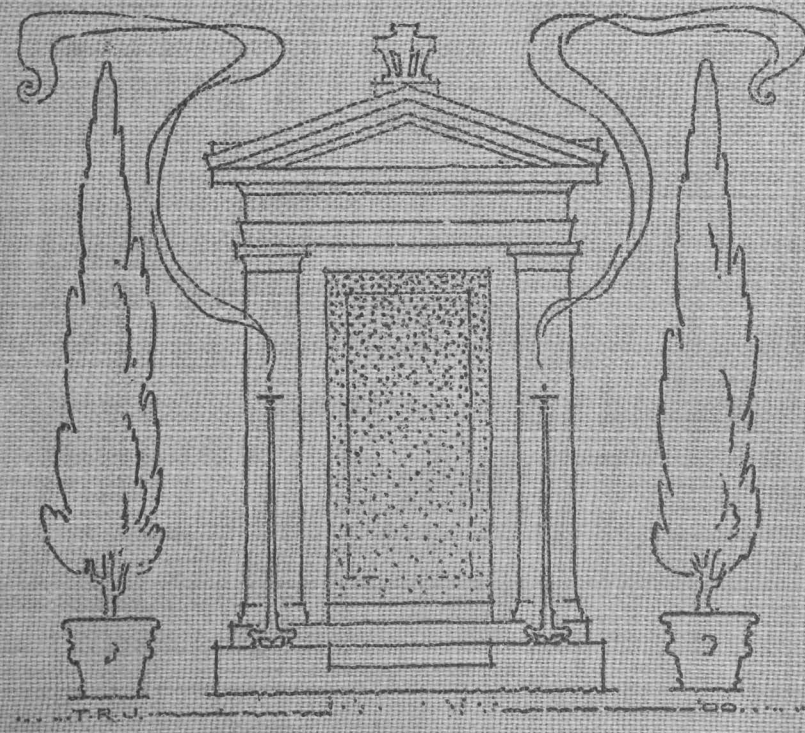
# TORONTO ARCHITECTVRAL EIGHTEEN CLVB




# FIRST ANNVAL EXHIBITION 1901

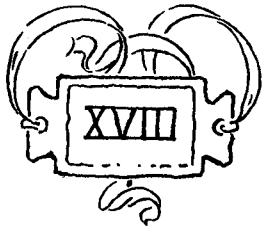
# CATALOGUE

OF THE

# FIRST EXHIBITION

OF THE

# TORONTO ARCHITECTURAL EIGHTEEN CLUB




EDITED BY CHAS. D. LENNOX

JANUARY 26TH TO FEBRUARY 9TH

1901

AT ONTARIO SOCIETY OF ARTISTS' GALLERIES
KING ST. WEST, TORONTO

# PREFACE

THE TORONTO ARCHITECTURAL EIGHTEEN CLUB wish to thank the Architects for their generous response for drawings, sketches, etc., contributed to their first Annual Exhibition; also to the firms who have advertised and who have so materially helped to make this Exhibition a success.

Special thanks are due to the Architects who assisted the Hanging and Selection Committee.

A limited number of these catalogues will be for sale at the gallery or can be had on application to J. C. B. Horwood, Secretary, 18 Toronto St., Toronto, 25 cents each; postpaid, 35 cents.

The authors of the designs illustrated in the catalogue may obtain the plates by communicating with chairman and paying expenses of carriage of plates.

# Toronto
# Architectural Eighteen Club

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# Architectural League of America

## OFFICERS 1900-1901

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The following Standing Committees, composed solely of members of Clubs to which the Committee is assigned :

Publicity and Promotion, Chicago Architectural Club.
Ethics and Competition Code, Architectural League of New York.
Exhibition Circuit, Cleveland Architectural Club.
Foreign Exhibit, T Square Club of Philadelphia.
Current Club Work, St. Louis Architectural Club.

The League also forms Committees for special purposes, the most important one at present being the Municipal Improvement Committee.

The League was formed at a convention of Architectural Clubs held in Cleveland in June, 1899, and held its second convention in Chicago in June, 1900; its convention for 1901 will be held in Philadelphia.

It is composed of the following Clubs :

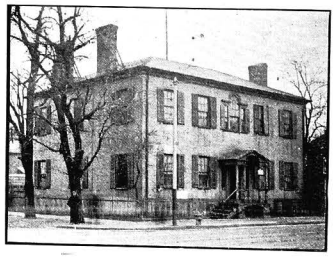
Cincinnati Chapter, A. I. A.
Pittsburg Architectural Club.
Washington Architectural Club.
T Square Club of Philadelphia.
Architectural League of New York.
Toronto Architectural Eighteen Club.
Cleveland Architectural Club.
Detroit Architectural Club.
Chicago Architectural Club.
Architectural Club, University of Illinois.
St. Louis Architectural Club.
Pittsburg Chapter, A. I. A.
Memphis Architectural Club, Memphis, Tenn.

By Kivas Tully.

# Architectural History of Toronto

## Reminiscences of the early settlement and development of Toronto and some of its first Architects.

When Sir John Graves Simcoe, 1st Lieut.-Governor of Upper Canada, sailed from Niagara in 1793, for the purpose of establishing his capital for Upper Canada at Toronto, the site was a wilderness, as described in the previous survey by Col. Bouchette. The only appearance of civilization was the ruins of an old French trading post called Fort Rouillé. This Fort was established for the purpose of intercepting the fur trade with the Indians, which had previously centered at Oswego in the occupation of the English. It was fully established in 1749 and continued for some time, but was afterwards abandoned. The site of the Fort is marked on the grounds of the Industrial Exhibition by an obelisk. Sir John Graves Simcoe occupied a tent during the winter of 1793, and erected a log house in 1794 on the flats of the Don, near Castle Frank. This, probably, was the first house erected in Toronto, according to early chroniclers.



CANADA COMPANY BUILDING.

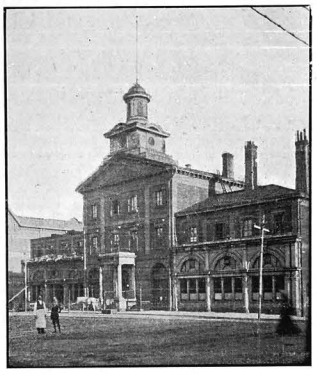
Frame buildings were afterwards erected for the use of Parliament and public offices, and private residences were also constructed. The first brick house erected in Toronto was that of a trading store and a dwelling house of H. Quetton, who having arrived on St. George's day, 1807, took the name of St. George. This building is yet to be seen at the north-east corner of Frederick and King Sts. The bricks had to be imported from either Rochester or Oswego. Mr. St. George occupied this building for several years until he retired to Montreal. The building was afterwards occupied by the Canada Company. Mr. St. George's son lived on his country property called "Glen Lonely" near the town of King on Yonge St. He died a few years ago.

The old buildings of Upper Canada College on King St. were occupied in 1829.

As far as can be ascertained the design for the Parliament Buildings in Front Street, between Simcoe and John Streets, was drawn by Lieut.-Col. Chewitt, and the buildings were completed in 1830. Additions were made to the buildings from time to time for the purpose of the Legislature, but they were finally abandoned when the new Parliament Buildings in the Park were opened in 1893, just a century after the site was first selected by Sir John Graves Simcoe.

The brick Court House and Gaol were erected on Church and Toronto Streets about the same time, and the buildings have been incorporated with stores and offices on these streets.

Substantial brick buildings were erected after the old Parliament Buildings by several leading families in Toronto, notably the Grange by D'Arcy Boulton, Esq., which is still to be seen at the head of John Street, now the residence of Prof. Goldwin Smith. It has all the appearance of an old English Manor House surrounded by beautiful grounds. Moss Park on Sherbourne Street is still occupied by the son of the late Hon. W. Allan. The Baldwin House at the northeast corner of Front and Bay Streets and near it the house belonging to the late Judge Jones, built in the early times and both since pulled down to make room for large warehouses.



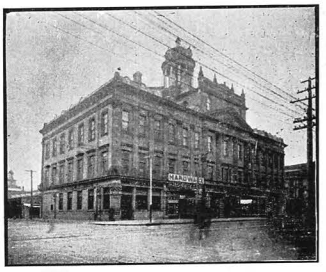
THE OLD CITY HALL, 1844.
Plate by Sterling Dean.

The corner stone of the New City Hall, on the south side of Front Street, between Jarvis and West Market Streets, which is now being remodelled for a new market building, was laid in 1844 by the Hon. Henry Sherwood, Mayor, and afterwards Attorney General for the Province. The corner stone of Saint George's Church was also laid in the same year. It was designed by Mr. Lane, an English architect who had imigrated to Toronto a short time previously. He also designed Little Trinity Church, as it was termed, on King Street, Holy Trinity Church, in what is named Trinity Square. He also built two wings to Osgoode Hall. Mr. Lane practised for some time in Canada.

Mr. J. G. Howard, who imigrated to Canada in 1832, was appointed City Engineer by William Lyon MacKenzie, the first Mayor of Toronto, in 1834. Mr. Howard may be considered as the pioneer architect of Toronto, several of his buildings are still to be seen in the city. The Provincial Lunatic Asylum was begun by him in 1845 and completed in 1850. He also constructed a building for the Bank of British North America, on the northeast corner of Yonge and Wellington Streets; this was afterwards pulled down and a more modern building erected in its place. Mr. Howard also built the County Jail south of Front Street, near Parliament Street, which has since been pulled down. Several private buildings and houses were built by him, but his time was principally occupied in attending to the affairs of the city. He was drawing master at Upper Canada College for several years, and finally retired to his residence, Colborne Lodge, High Park, where he died a few years since. For his munificent gift to the city of the park and lodge, his memory will always be held in grateful remembrance by the citizens of Toronto, and may be considered a token of his gratitude for his appointment as City Engineer, which he successfully filled for many years.

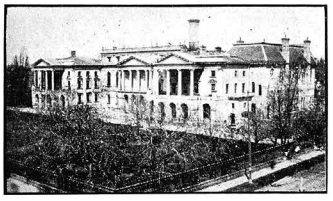
Another architect who had settled in Toronto was John Young, whose design was accepted for a University to be erected in the Queen's Park on the site now occupied by the new Parliament Buildings The corner stone of the east wing of the University buildings was laid in 1842, with Masonic honors.

This building was designed and built of cut stone and was occupied as a University for some years, until the new buildings were erected a little west of the Queen's Park. When vacated it was used as a branch Lunatic Asylum until 1870 when the wings of the Toronto Asylum were completed. It was finally pulled down when the new Parliament Buildings were erected. He also erected several private buildings, and St. Patrick's Market on Queen Street near John Street. He died in Toronto in 1860



ST. LAWRENCE HALL.

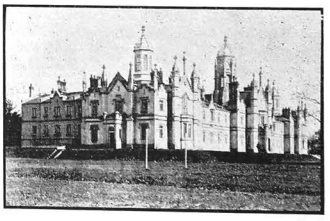
William Thomas, architect, designed the St. Lawrence Hall on King Street, on the site of the original City Hall, which was burnt down about the year 1848, and was built of Cleveland stone. Mr. Thomas also designed the present Toronto Gaol, the Roman Catholic Cathedral, the Golden Lion for Walker & Sons, the Romaine Buildings on King Street, besides other buildings. He died several years ago at his residence on Church Street.



OSGOODE HALL.

F. W. Cumberland came to Toronto in 1845, he designed the Normal School, St. James' Cathedral, the old Post Office in Toronto Street, now the Registrar General's office, the new University Buildings west of Queen's Park and the centre portion of Osgoode Hall, the wings of which had previously been erected by Mr. Lane. He died at his residence on College Street some years since.

Mr. Kivas Tully in 1845 constructed the Bank of Montreal, this building has since been pulled down to make way for the erection of the present structure on the southwest corner of Yonge and Front Streets. He also built the Custom House, with a cut stone Doric portico, on the southwest corner of Yonge and Front Streets. This was also pulled down to make way for the present building. In 1850 and 1851 he built Trinity College, of brick, with cut stone dressings.



TRINITY COLLEGE.

In 1856 he was appointed architect of the Provincial Lunatic Asylum, and was engaged building the wings and hospitals between 1867 and 1870, when the works were finally completed.

By the directions of the Hon. John Carling, now Sir John Carling, he was transferred to the Department of Public Works, as architect, engineer and chief officer. The Central Prison and Andrew Mercer Reformatory, Toronto, were also designed by him and erected by the Department. He retired in 1896, when he was appointed consulting architect and engineer.

W. Kaufmann came to Toronto to superintend the construction of the Rossin House Hotel, and afterwards built the Bank of Toronto on the north-west corner of Church and Wellington Streets.

James Grand came to Toronto about 1862, as Clerk of Works in the Imperial Ordnance Department, and in 1866, when the Civil War was over, he commenced practising as an architect and erected the Exchange on Wellington Street, now occupied by the Imperial Bank.

William Hay, who came from Edinburgh to Toronto about 1850 designed the hospital at the east end of Toronto, and other buildings and churches. He returned to Edinburgh again.

Joseph Sheard was also a distinguished architect ; he built a dwelling house for W. Cawthra on the corner of King and Bay Streets, now occupied as the Molsons Bank, and other prominent private buildings. He was an alderman and mayor of Toronto. He died several years ago.

Mr. Irvine was another distinguished architect. He designed the British American Insurance Co. Building, McMaster's Warehouse, and the Dominion Bank, corner King and Yonge Streets, and other buildings.

Messrs. Gundry and Langley designed the present Government House, erected under the Department of Public Works between 1868 and 1870. Mr. Gundry died shortly afterward, but Mr. Langley is still practising as an architect in this city.

NEW CITY HALL, 1900.

# Art Societies and Clubs in Toronto

## The Toronto Guild of Civic Art.

THIS ORGANIZATION was incorporated in March, 1897, under a charter granted by the Province of Ontario, its scope being defined as a purely supervising, consulting and advisory body, to promote and encourage civic art, including mural painting and decorations, sculpture, fountains, and other works of art, and to arrange for the execution of works of art by competent artists, and for these purposes to appoint an Advisory Board to carry out the objects of the Guild, provided always that the services of the Advisory Board shall be without remuneration.

In April, 1897, the incorporators of the Guild addressed a letter to the City Council, stating the aims and objects of the Guild and asking for the Council's approbation, to which the Council replied heartily approving of the undertaking, and pledging itself to utilize the Guild's services as occasion might arise. The first meeting of the Guild was held in the following May, when the By-laws were adopted, and an Advisory Board elected with the following officers:—

*President* - - B. E. WALKER.
*Vice-Presidents* - E. B. OSLER, M.P. AND HON. G. W. ALLAN.
*Treasurer* - - JAMES BAIN, JR.
*Secretary* - - W. A. LANGTON.

The wall paintings on each side of the entrance to the City Hall, painted by Mr. G. A. Reid, R.C.A., and by him presented to the City, were executed under the supervision of the Guild, and on behalf of the artist, was formally presented to the City by the Guild in May, 1899.

An exhibition of prints of mural decoration was held by the Guild in Toronto a short time ago, and the services of the Guild have been utilized by the Education Department in the selection of pictures for the Art Gallery at the Normal School.

The objects of the Guild are of the same nature as similar associations in the large cities in the States where Art Commissions have been established and where all matters pertaining to Civic Art come directly under their control. In time it is expected that the Guild will come to occupy this position in the City, where a large field of usefulness is open to it.

The officers and Advisory Board of the Guild for 1900 are :—

*President* - - E. F. B. JOHNSTON, Q.C.
*Vice-Presidents* - HON. G. W. ALLAN AND A. J. SOMERVILLE.
*Treasurer* - - JAMES BAIN, JR.
*Secretary* - - A. H. CAMPBELL, JR.

AND

ALLAN CASSELS,
F. S. CHALLONER,
FRANK DARLING,
E. WYLY GRIER,
S. H. JANES,
W. A. LANGTON,
JAMES LOUDON,
JAMES MAVOR,
BERNARD McEVOY,
G. N. MORANG,
G. A. REID,
A. F. WICKSON,
G. A. HOWEL.

## The Ontario Association of Architects

THE ONTARIO ASSOCIATION OF ARCHITECTS was organized in 1889 and incorporated in 1890. Its objects are the advancement of architecture, the better protection of the public interests in the erection of buildings, and the securing of a standard of efficiency in the persons practising the profession of architecture.

As an Ontario Association, it has been the means of bringing together architects from the different cities and towns of the Province, and thus promoting, not only the more direct objects of the Association, but also fostering a friendly spirit among the members, many of whom were unknown to each other before its organization.

Students, in order to become members, are required to pass a series of examinations in accordance with a prescribed curriculum of studies.

It is the intention of the Association to provide also courses of instruction in these studies, and the students engaged in architects' offices have been afforded special opportunities of attending classes in the School of Practical Science, Toronto. It is intended to inaugurate classes in design after the atelier or studio system, under the supervision of practising architects.

The headquarters of the Association are at No. 94 King St. West, Toronto, where very complete lecture hall, reading rooms, etc., have been fitted up and will be always open.

Following is a list of the officers for 1900 :

*President* - A. FRANK WICKSON, Toronto
*1st Vice-President* FREDERICK HENRY, London
*2nd Vice-President* GRANT HELLIWELL, Toronto
*Treasurer* - F. S. BAKER, A.R.I.B.A., Toronto
*Registrar* - W. R. GREGG, 94 King St. W., Toronto

*COUNCIL :*

J. E. BELCHER - - - - Peterborough
S. H. TOWNSEND - - - Toronto
W. A. LANGTON - - - - Toronto
J. A. PEARSON - - - - Toronto
A. H. GREGG - - - - Toronto

## The Toronto Architectural Eighteen Club

THE TORONTO ARCHITECTURAL EIGHTEEN CLUB dates from January, 1899, when a number of the younger Architects commenced meeting together at a weekly luncheon, chiefly for the promotion of good fellowship. The initial

idea of the club was that it should be carried on with as little machinery as possible, it therefore had no constitution, and the only officer was a chairman, elected monthly, to look after its interests, this state of affairs continued until September of the same year, when it became necessary, as the club wished to join the Architectural League of America, to adopt a formal constitution and elect regular officers. Had it not been for the Architectural League it is not likely the club would have developed from its first informal arrangement. The dominant feature of the club is and has always been its weekly luncheon meetings; there is, therefore, very little business necessary except for special features such as exhibitions, etc.

The club has sent a delegate to each Annual Convention of the Architectural League of America, and as a result is holding the present exhibition under its auspices.

The club has appointed an Educational Committee which has formulated a general scheme of education for the students.

A Drawing, chosen by ballot, from the work of the members is sent every month to the *Canadian Architect*, as a contribution to a page specially reserved for the Eighteen Club.

Although the club has undertaken a certain amount of work, it is and will continue to be, essentially a social club, and does not in any way compete with other organizations which may have specific objects of accomplishment.

## Royal Canadian Academy.

THE ROYAL CANADIAN ACADEMY was formed by the Marquis of Lorne and Princess Louise in 1880, having for its object the exhibition of loan pictures, pictures of artists not previously exhibited at any Dominion exhibition, architectural drawings, designs for manufacturers, etc., these exhibitions to be held alternately, at Ottawa, Halifax, St. John, Frederickton, Quebec, Montreal, Toronto, and Winnipeg.

The first officers of the academy were L. R. O'Brien, President; N. Bourassa, Vice-President; M. Mathews, Secretary; Jas. Smith, Treasurer.

The Academy is supported by an annual grant from the Dominion Government, supplanted by the fees of the members and associates.

Since the foundation of the academy it has been enabled to accomplish much for art in the Dominion, and one of the chief objects has been the establishment of a National Gallery in Ottawa, this has been done by the Academicians donating a picture as their diploma work, approved by the Council of the Academy. The Council has also from time to time, as the funds of the Academy permitted, purchased important pictures from the members and donated them to the National collection. The Government, as well as private individuals, have also made numerous donations, pictures have also been given by eminent English artists to the collection.

The Academy, in addition to forming the National Gallery, has been enabled to give annual grants to the local Academicians at Toronto, Ottawa and Montreal for the establishment and maintenance of free art schools of an

advanced nature, attention being given to lithography, wood carving and designing for wall papers, carpets and other manufactures.

The present membership of the academy consists of fifteen active academician painters, eight architects, one sculptor, two designers, and six non-resident honorary academicians, in all thirty-two members. The associate members of the academy consists of thirty-one painters and nine architects.

The next exhibition of the academy will be held at Toronto in spring of 1901, at which the paintings to represent Canada at the Pan-American exhibition at Buffalo will be chosen.

## Ontario Society of Artists

ONTARIO SOCIETY OF ARTISTS. In 1834 the first art society was formed in Toronto, and the first exhibition held under the patronage of Sir John Colborne, K.C.B., Lieut.-Governor of Upper Canada.

In 1847, the next art society was organized and called the Toronto Society of Art, Wm. Thomas was President, J. G. Howard, Vice-President and Treasurer, and E. C. Bull, Secretary.

The Ontario Society of Artists was formed on the fifth day of June, 1872, Mr. W. H. Howland was elected President, H. J. Moss, Hon. Treasurer, and H. Hancock, Hon. Secretary. Its objects were to be the encouraging and fostering of original arts; the promotion of the interests of its members in that connection; the encouragement of the holding of annual exhibitions of an art union in connection with them; and whenever practicable, the establishment of a National Gallery and School of Art. The society was incorporated in 1877, and was re-incorporated in 1898.

The first art school was formed by a grant from the Government in 1876, and placed under the control of O.S.A.

The Fine Art Department of Industrial Exhibition has been under the management of O.S.A. since 1893.

The first Art Gallery of the society was acquired in 1893, at 165 King street west, where the pictures for Columbia Exhibition were chosen, from first exhibition.

In 1897, the members of the society agreed to furnish pictures to start a Provincial Art Gallery in the Educational Department. This is a permanent exhibition and is always open to public, and is added to every year by a special annual grant from the Government.

## Toronto Art Students' League

TORONTO ART STUDENTS' LEAGUE was formed in September, 1886, Mr. W. D. Blachley was elected first president. The objects of the league are to afford its members facilities for the study of drawing and painting from the living model and from nature, and to cultivate a spirit of fraternity among art students. The Saturday afternoons were given to outdoor study and sketching expeditions. The first exhibition was held in May, 1889. The league also published a unique and artistic calendar each year.

## The Women's Art Association

THE WOMEN'S ART ASSOCIATION was founded in 1890, for the purpose of meeting together for mutual help and improvement. Its special objects are the encouragement of a more general interest in original art, and the holding of exhibitions and lectures on art subjects. It was originally intended to be a local association, but has increased to large proportions, and has now branches in most of the principal cities of Canada. The association also holds a circuit exhibition that goes to each city in turn. The association now numbers about 1,000 members.

## The "New Water Color Society"

THE "NEW WATER COLOR SOCIETY" was formed on June 13th, 1900, by the following artists: F. M. Bell-Smith, President; F. McGilvray Knowles, Robt. Gagen, Miss Laura Muntz, F. S. Challoner, C. M. Manly, W. D. Blatchley, J. D. Kelly, and F. H. Brigden, Secretary. The object of the organization is to further the interests of Water Color painting by holding exhibitions and sales of the best work of its members, both in Toronto and outside cities. The first exhibition of the Society was held in November, and was followed by a successful sale. The next exhibition will take place in the spring.

## The Mahlstick Club

THE MAHLSTICK CLUB is formed principally from the energetic art students studying in the "Central Ontario School of Art," under a retinue of able masters. The membership is not large, numbers being foreign to the policy of the club who devote their time continuously to art as a lifework.

Classes are held regularly during the winter months in the studio once honoured by the historic "Toronto Art League."

The members depend entirely upon their own individual effort and resources to make the club a success. They have a composition night weekly, when a subject is given out to make a complete sketch of in an hour. This class has not only been well attended but has been made a fulcrum to give new stimulus in the development of originality of thought and expression. The last exhibition held by this club augered well for future success. They ask legitimate criticism and take it in the manly spirit in which it is given.

Many of the members spend every available moment during the summer in out-door sketching and the efforts on their walls prove that it is not done in vain.

Each member, at the end of the month, must bring a sketch dated for every day, as their motto is "No day without a line." Their by-laws and constitution are short but decisive, and no one can be a member who is a drone in this hive of artistic activity.

They are all young men steering their barque on the sea of success, bound for the harbour of truth, and many of them will reach their destination through study and hard work and gain recognition without any other aid than their own progressiveness.

## The School Art League

THE SCHOOL ART LEAGUE movement in Toronto has grown from a very small beginning. In 1896, at the opening of a new school in that year, the Inspector of Public Schools spoke strongly of the art influence in decoration, and referred to the organizations in other countries devoted to the improvement of school-room decoration. Acting on his suggestion the ladies of the district organized a league for the purpose of carrying out this object in the new school. Money was raised for the scheme by concerts, lectures, etc.

It soon became apparent to the members of the League that expert advice would be necessary in order to judiciously spend the money which had been collected. A deputation, therefore, waited on the Ontario Society of Artists and requested it to co-operate with them in the matter. As a result of this an advisory board was appointed, consisting of four architects, four artists, and four lay members, an equal number of each elected by the Ontario Society of Artists and the Toronto Guild of Civic Art.

In addition to these members three members of the Women's Art Association have been appointed and five ex-officio members—the Mayor of Toronto, the Minister of Education, the Chairman of the Public School Board, the Inspector of Public Schools and the Superintendent of Public School Buildings.

Since then numerous leagues have been started in the schools of the city, and much good work has been done. A Central League has also been established, governing, to some extent, the Branch Leagues. This, of course, does not interfere with the advisory board, which has nothing at all to do with the government of the Leagues.

Several school rooms have been successfully decorated under the supervision of the advisory board, and a pamphlet has been prepared and distributed to every school in the province, setting forth the objects of the Art Leagues, their methods of working, and a suitable list of reproductions of the great pictures of the world, architectural photographs and good plaster casts.

The President of the Advisory Board is Mr. J. L. Hughes, and the Secretary, Mr. C. H. Acton Bond.

## The School of Practical Science

THE present School of Practical Science is the successor of the College of Technology, an institution which was practically an evening technical school for artisans and others, and which occupied the building of the present Public Library, at Church and Adelaide Streets. The origin of the present school dates from January 30, 1877, when the Legislative Assembly, in accordance with the recommendations of a report to the Hon. Adam Crooks, Minister of Education, by Professor James Loudon, sanctioned the proposal for the permanent establishment of a School of Science, and authorized the erection of a new building upon a site in proximity to the University of Toronto. The character of the institution was greatly changed, and under the new arrangement the chief object of the school became the teaching of engineering and applied chemistry. It was decided by an arrangement with the Council of University

College, to utilize the teaching power of that college which already existed for the like objects in four departments and could be made applicable to the wants of the School of Science, and in addition thereto to appoint a professor of engineering and such assistants as might be found necessary. This arrangement continued until the end of 1879, when the departments of science were transferred from University College to the University of Toronto, under the operation of the University Federation Act. That the students might continue to receive instruction in the above departments in the same manner, the School of Science was affiliated with the University of Toronto.

The first calendar of the School of Practical Science is denoted as the session of 1878-79, and the faculty consisted of H. H. Croft, D.C.L., professor of chemistry; E. J. Chapman, Ph.D., LL.D., professor of mineralogy and geology; James Loudon, M.A., professor of mathematics and natural philosophy; R. Ramsay Wright, M.A., B.Sc., professor of biology; J. Galbraith, M.A., Assoc. Inst. C.E., professor of engineering; W. H. Ellis, M.A., M.B., assistant professor of chemistry. There are three courses, namely: (1) engineering; (2) assaying and mining geology; (3) analytical and applied chemistry.

An important event in the history of the school occurred on November 6th, 1889, when Professor Galbraith was appointed principal and the management of the school entrusted to a council composed of the principal as chairman and the professors, lecturers, and demonstrators appointed on the teaching faculty of the school. Recognizing the necessity of embracing every branch of applied science, the principal decided to extend the curriculum of the school so as to embrace five regular departments of instruction, in each of which diplomas would be granted, namely, (1) civil engineering (including mining engineering); (2) mechanical engineering (including electrical engineering); (3) architecture; (4) analytical and applied chemistry; (5) assaying and mining geology.

In 1889-90 the management of the school was entrusted to a council of five, consisting of Professors Galbraith and Ellis, and Messrs. C. H. C. Wright, B.A.Sc., lecturer in architecture; T. R. Rosebrugh, M.A., demonstrator in engineering; and L. D. Stewart, O.L.S., D.T.S., lecturer in surveying, with Professor Galbraith as principal. These five are still members of the council, which has been enlarged to include A. P. Coleman, M.A., P.L.D., professor of assaying and metallurgy; J. A. Duff, B.A., lecturer in applied mechanics; G. R. Mickle, B.A., lecturer in mining, R. W. Angus, B.A.Sc., lecturer in mechanical engineering; A. T. Laing, B.A.Sc., demonstrator in surveying; and J. W. Bain, B.A.Sc., demonstrator in analytical chemistry. In addition six Fellows have been appointed from among the late graduates.

As early as 1888 the necessity of providing increased accommodation was recognized by the Government, and an appropriation made for the erection of a large addition to the building. This addition was completed in 1891, the equipment and the laboratory plant installed being of the best procurable. The building as now occupied represents a floor space of nearly 60,000 square feet, but, notwithstanding, the accommodation is overtaxed, and the work of the teachers made laborious by the necessity of repeating lectures and laboratory

experiments three or four times in order that all students may receive the instruction. It has also been found necessary, from the same cause, to abandon certain experimental and research work.

That the School of Practical Science is meeting the demands of the people is clearly demonstrated by the almost constant growth in attendance. The present year is the largest yet on record, the attendance being about 220.

## The Toronto Technical School

THE TORONTO TECHNICAL SCHOOL has been established and is maintained by the City of Toronto for the purpose of providing those who may desire it a technical education. It affords instruction in those scientific subjects which are of practical use and general application in the varied industrial pursuits of the people, viz. :

Physical Science; Machine Construction; Architecture and Building Construction; Chemistry; Freehand Drawing, Design and Decoration; and special courses in the following subjects : (a) Domestic Science; (b) Mineralogy, Geology and Metallurgy; (c) Electricity, Steam and Gas Engines.

The School is *entirely free*, there being *no fee or charge for admittance to any of its classes.*

The Session runs from October 3rd to April 28th, and is divided into two terms.

The School keeps a staff of thirteen lecturers and instructors for the different branches. The School is open at night only, the lectures begin at 7.45 and end at 10 p.m.

## Central Ontario School of Art

THE TORONTO ART SCHOOL was the first art school established in Ontario. It was founded by the Ontario Society of Artists, with the aid of the Government in 1876, with T. Mower Martin, R.S.A., as the first Principal and teacher of drawing; Mrs. W. Schrubee, of painting; Mr. J. T. Rolph, of engraving; and Mr. Jas. A. Smith, of architecture. It was first held in rooms above 14 King street west, subsequently at the Normal School, and finally at rooms on Queen street west. In 1890 it was re-organized and incorporated under the name of the Central Ontario School of Art and Design.

Instruction is given in freehand, perspective and geometrical drawing in the primary classes. In the advanced classes, drawing in any medium from the cast or from life, and painting from life, and still life. Special attention is given to industrial design and to drawing in various mediums for reproductive purposes, and most of the young men employed in the various lithographing and engraving houses of Toronto, have been, or are at the present time, students of this school. Many of the leading artists of the country have commenced their career in its classes, and many of its ex-students are now occupying important positions both in our own country and abroad.

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## Architectural League of New York

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312 Design for the Riggs Bank, Washington, D.C.

HORNBLOWER & MARSHALL—Washington, D.C.

313 Elevation and First Floor Plan of U.S. Custom House, Baltimore, Md.

MARSH & PETER—520 13th St., Washington, D.C.

314 Front Elevation, *Evening Star* Building, Washington, D.C.

MINDELEFF, VICTOR—Washington, D.C.

315 Water Color Sketches.

TAYLOR, JAMES KNOX, Supervising Architect—Washington, D.C.

316 First Floor Plan, U.S. Post Office, Annapolis, Md.
317 Front Elevation, U.S. Post Office, Annapolis, Md.
318 Details of U.S. Post Office, Annapolis, Md.
319 { U.S. Post Office, Kansas City, Kansas.
U.S. Government Building, Pan-American Exposition, Buffalo, N.Y.
U.S. Post Office and Court House, Beaumont, Texas. }

WOOD, W. B. AND DONN, E. W., JR.—Washington, D.C.

320 An Aquarium for National Zoological Park, Washington, D.C.

WOOD, W. B.—808 17th St., Washington, D.C.

321 A Pumping Station for District of Columbia.

WYETH, NATHAN—Supervising Architects' Office, Washington, D.C.

322 A Fire Department Headquarters.

## Drexel Institute Art School

FARNAM, D. A.—West Philadelphia, Pa.

323 { Portion of Frieze from Temple of the Sun, Rome.
Study in Roman Ornament.

324 Study in the Corinthian Order Portico of Octavia after Restoration, by M. Paulin.

325 Project for Park Pavilion.

326 Example in Byzantine Ornament.

327 Study of the Doric and Ionic Orders as used in the Theatre of Marcellus.

328 Examples of Moorish Ornament.

## University of Pennsylvania School of Architecture

ABLE, J. F.

329 A Pavilion. One-day Problem Sophomore Class.

330 An Entrance to a Cemetery.

331 A Loga in a Park.

332 A Frontispiece. Sophomore Design.

ABLE, J. F., SHARPLEY, W. W. AND THUMMEL, W. F.

333 One-day Sketch Problems for "A Town Well."

HOLLINGSWORTH, F.

334 A Summer Office for an Architect. Sophomore Design.

KINTZING, L.

335 A Monument to the Navy.

LINCOLN, F. F.

336 Out-let to a Mountain Stream.

337 A Light-House and Life-Saving Station.

OWSLEY, CHAS.

338 A Doorway to a Public Building. Freshman Design.

SPAULDING, W. H.

339 Erechtheion Doorway. First Year Special Design.

340 Treatment below a Staircase Landing.

SCHENCK, A. F.

341 A School of Botany.

WARREN, W. A.

342 Building for a Bill Posting Syndicate.

## Pan-American Exhibition

CARRERE & HASTINGS, Architects.

343 Plan of Grounds.

344 Birds-Eye-View.

HOWARD, JOHN GALEN, Architect.

345 Electric Tower. Rendered by F. Hopkinson Smith.

ESENWEIN & JOHNSON, Architects.

346 Temple of Music. Rendered by Nolan & Hewelett.
347 Design for Temple of Music. Rendered by Nolan & Hewelett.
348 Service Building. Rendered by Nolan & Hewelett.

BABB, COOK & WILLIARD, Architects.

349 The Stadium.
350 A Corner of the Stadium.
351 The Plaza.
352 Detail of Plaza.

GREEN & WICKS, Architects.

353 Machinery and Transportation Building. Rendering by J. F. Jackson.
354 The Court Machinery and Transportation Building. Rendering by J. F. Jackson.
355 A Corner Pavilion, Machinery and Transportation Building. Rendering by J. F. Jackson.
356 Small Perspective, Machinery and Transportation Building. Rendering by J. F. Jackson.
357 Western Entrance, Machinery and Transportation Building. Rendering J. F. Jackson.
358 Scale Details of Machinery and Transportation Building.
359 North Doorway.
360 Corner Pavilion.
361 East and West Towers.
362 North Tower.
363 South Elevation.
364 Section through East and West Entrance.
365 Section, South Entrance.
366 Central, Bay and Main Cornice.
367 Inside Detail of North Corner Pavilion.
368 South Central Tower.
369 East and West Entrance.
370 North Elevation.
371 South Entrance.
372 Electricity Building. Rendering by J. F. Jackson.
373 Electricity Building, "A Pergola." Rendering by J. F. Jackson.
374 Scale Details of Electricity Building.
375 Section of Corner Pavilion.
376 South Elevation of Tower.
377 General Bay, Main Cornice and Pergola.
378 South Elevation.
379 The Albright Gallery of Art. Rendering by J. F. Jackson.

CARY, GEORGE, Architect.

380 Ethnology Building.
381 Oil Sketch, Ethnology Building. Rendering by B. Ross.
382 Suggestions for Delaware Avenue Entrance.
383 New York State Building.

PEABODY & STEARNS, Architects.

384 Forestry and Mines—Horticulture—Graphic Arts.

TAYLOR, JAMES KNOX, Architect.

385 U.S. Government Building.
386 Manufacturers and Liberal Arts Building.

SHEPLEY, RUTAN & COOLIDGE, Architects.

387 Agriculture Building.
388 Agriculture Building.

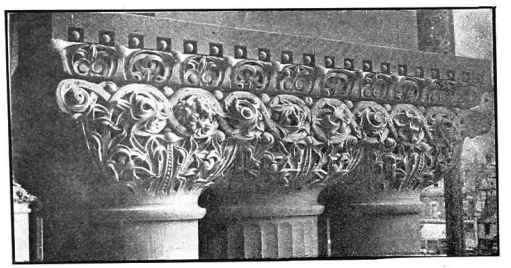
## The Phoebe Hearst Architectural Plan of the University of California

BENARD, M. EDWARD, Architect.

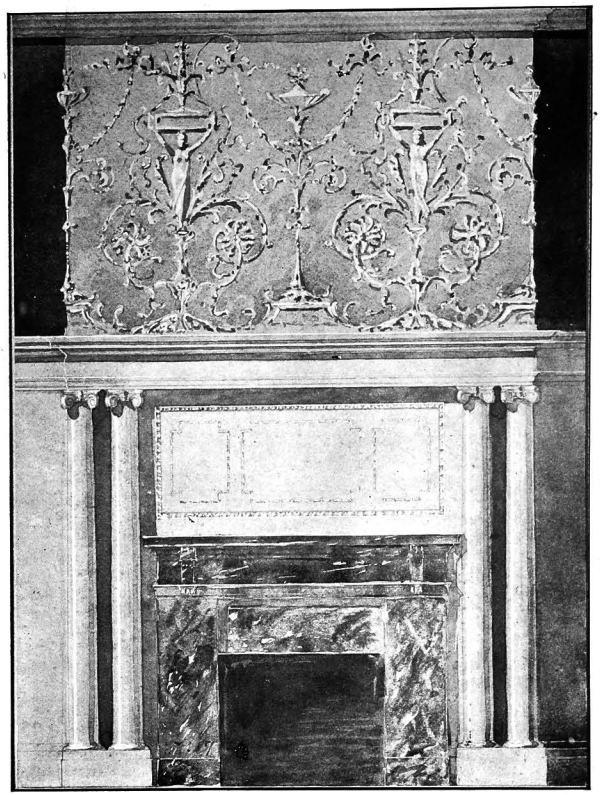
389 Photograph of General Plan.
390 Photograph of Plan of Gymnasiums.
391 Photograph of General Perspective.
392 Photograph of Front of Gymnasiums.
393 Photograph of and Section of Double storied Central Hall.
394 Photograph of Perspective View of Stadium.
395 Photograph of Perspective View in Central Hall.
396 Photograph of Revised General Plan.
397 Photograph of { General Perspective View, Revised Plan. / Botanical Garden, Revised Plan. / Commemoration Column, Revised Plan. }
398 Photograph of Section on Axis of Gymnasiums and Natural History, and Section on Axis of University Avenue.

DOORWAY MT. VERNON ST., BOSTON

C. T. Ingham, Architect, Boston



2 Caps Front Entrance City Bldgs., Toronto
1 Cap Simpson Bldg., Toronto
Holbrook & Mollington, Sculptors, Toronto



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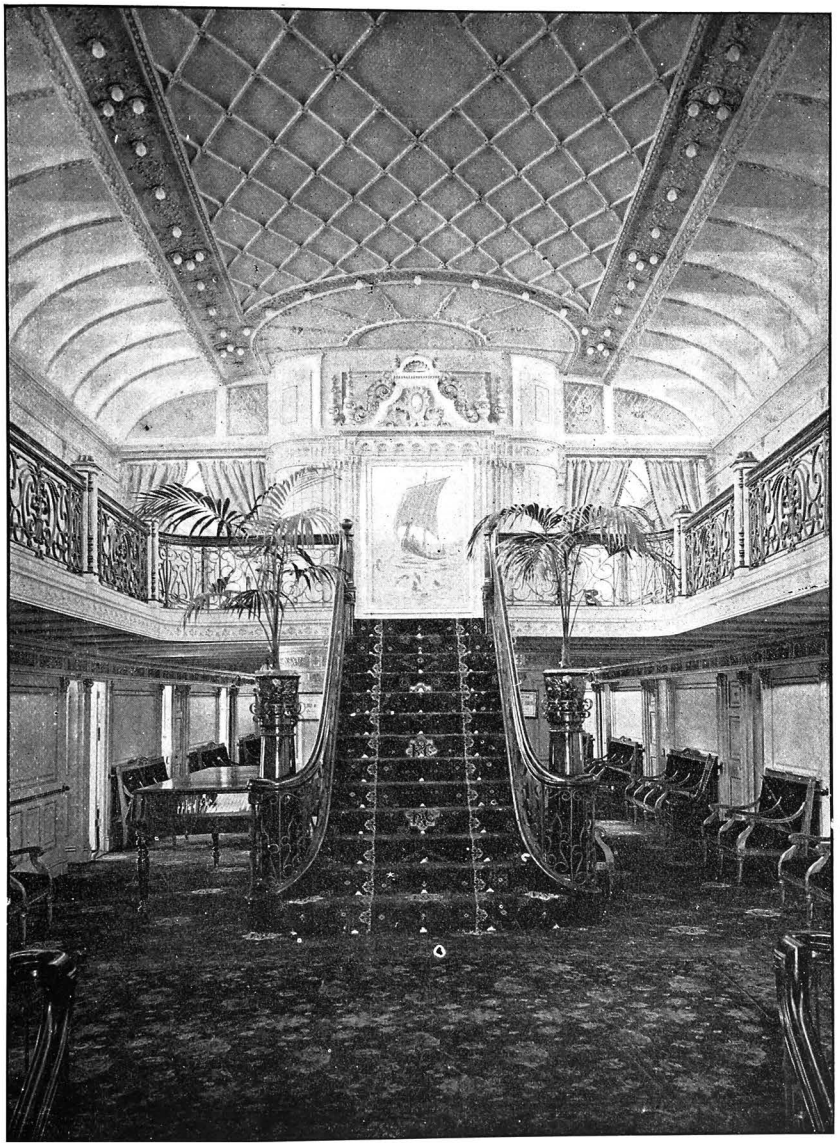
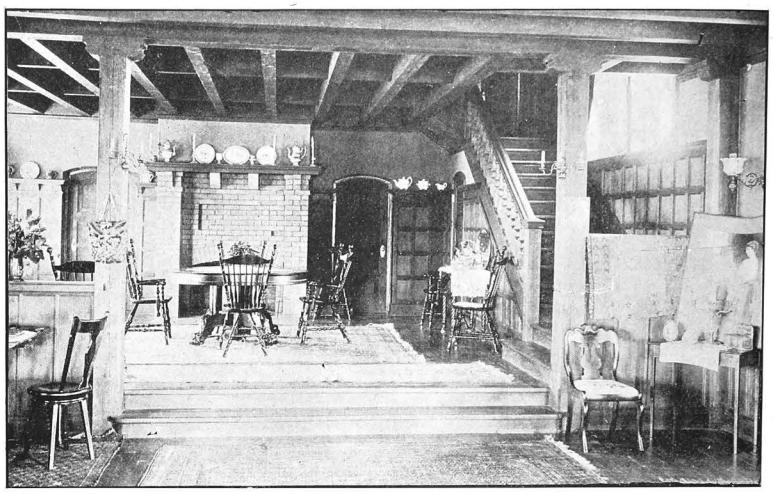
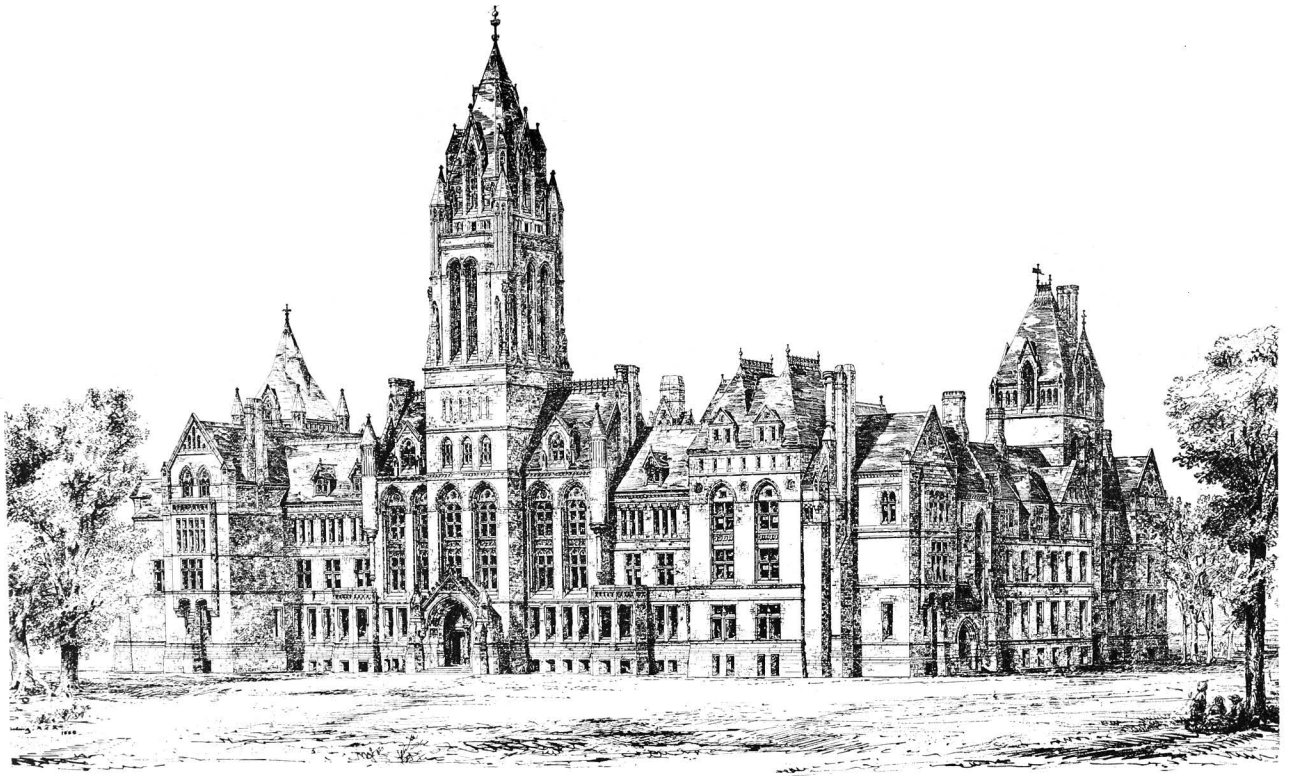


INTERIOR OF STEAMER TORONTO. Bond & Smith, Architects, Toronto



HOUSE AT FOX POINT FOR WM. MARINER

Elmer Gray, Architect, Milwaukee, Wis.



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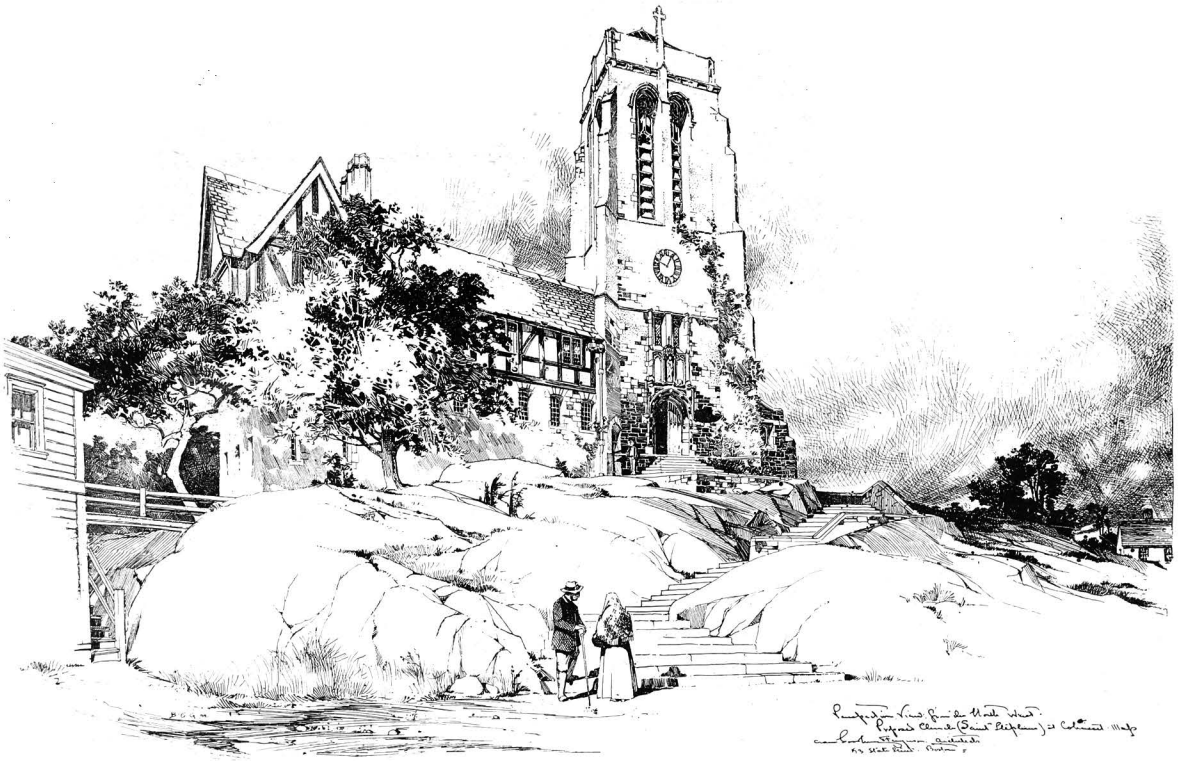
PROPOSED HOTEL FOR TORONTO. E. J. Lennox, Architect, Toronto



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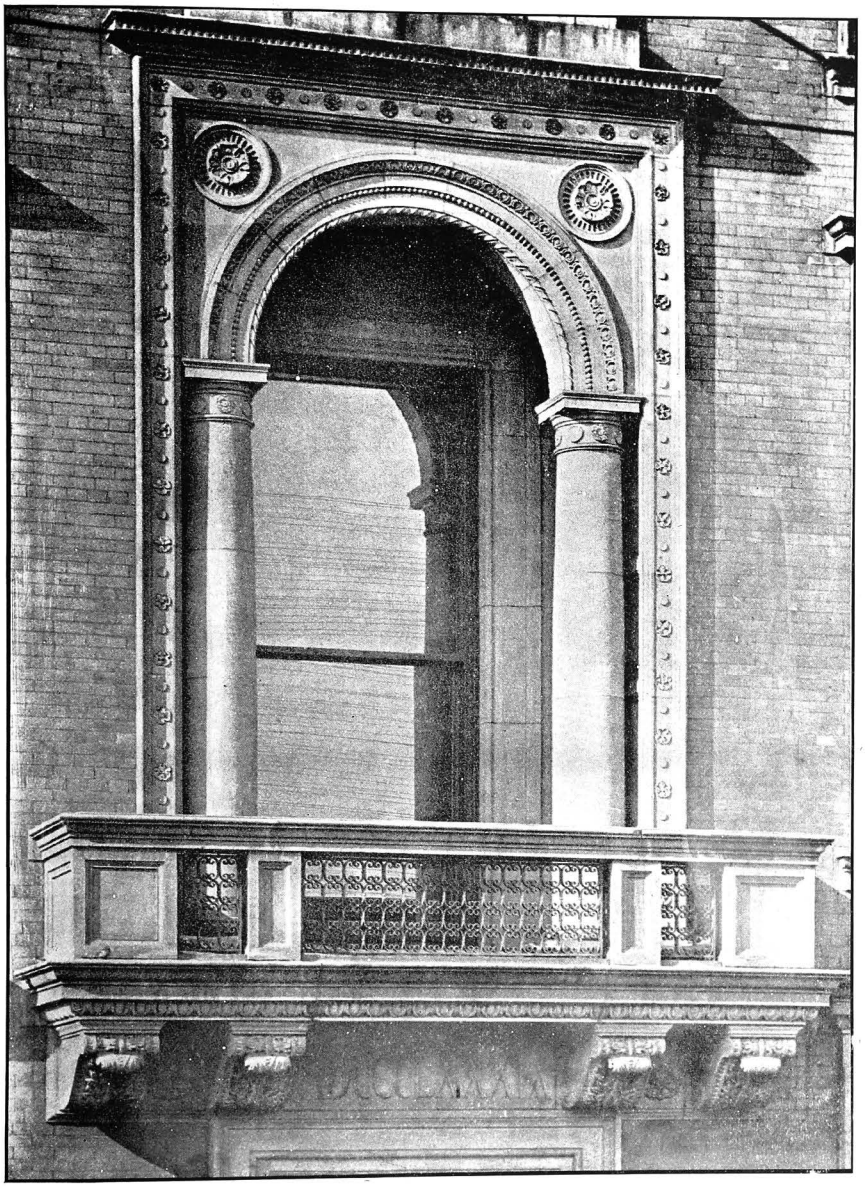
E. J. Lennox, Architect, Toronto



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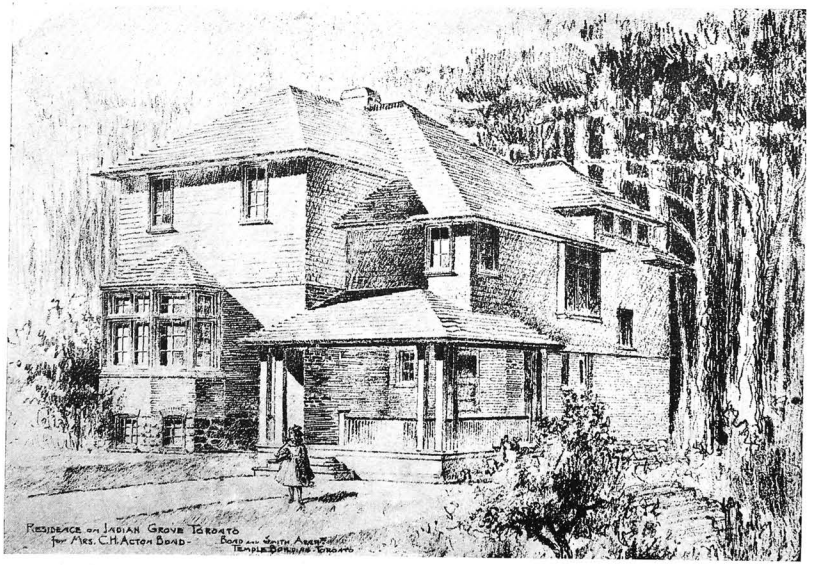


RESIDENCE ON INDIAN GROVE, TORONTO

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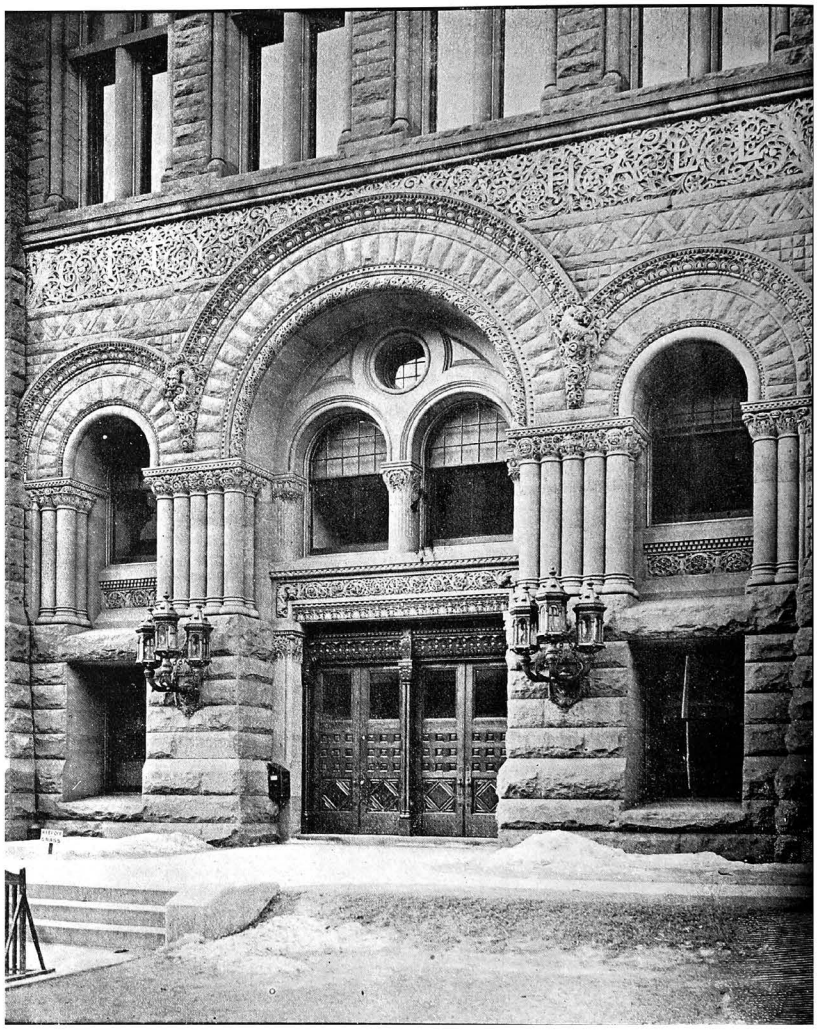
STUDY FOR CHURCH AT ROANOKE. Adin B. Lacy, Architect, Philadelphia



SIDE ENTRANCE TO CITY BLDGS., TORONTO

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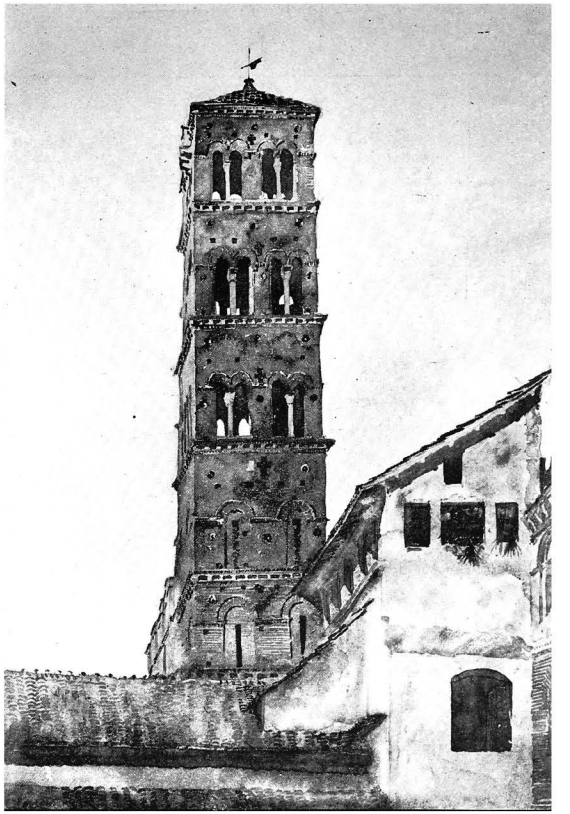

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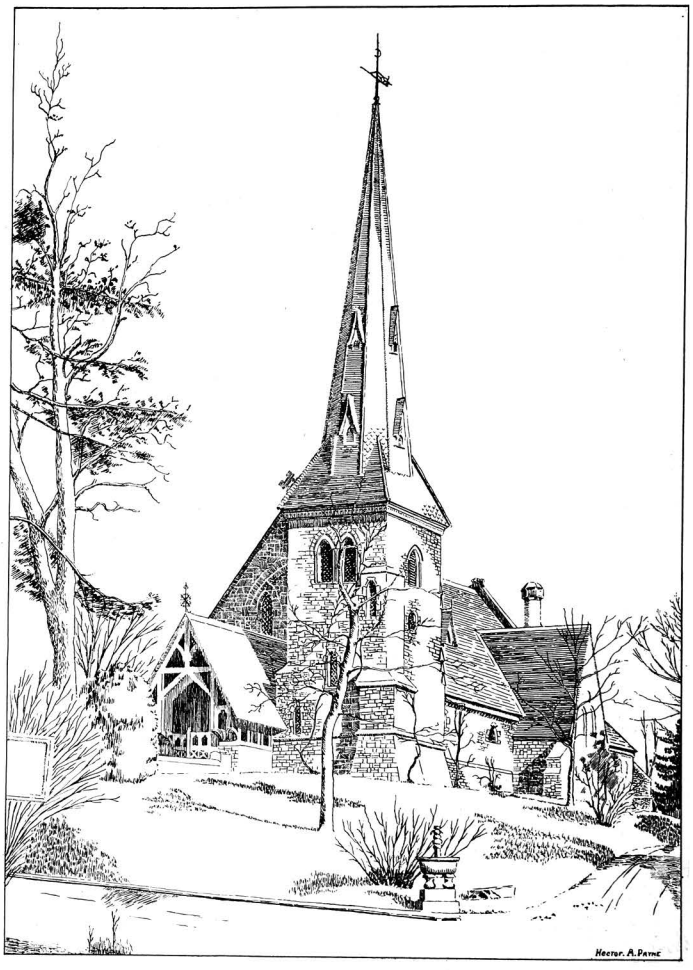


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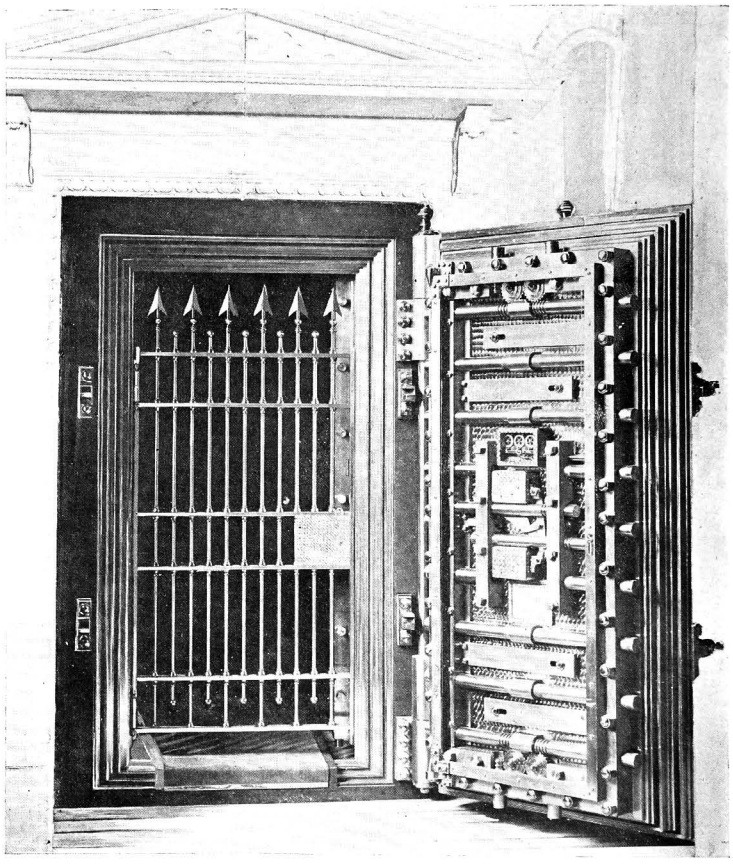

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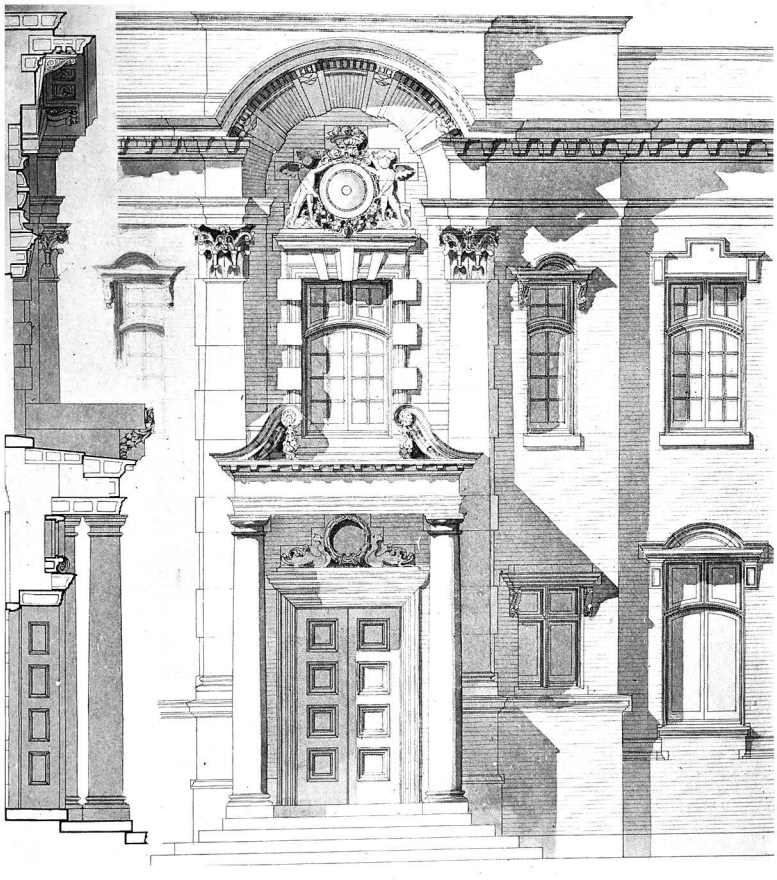

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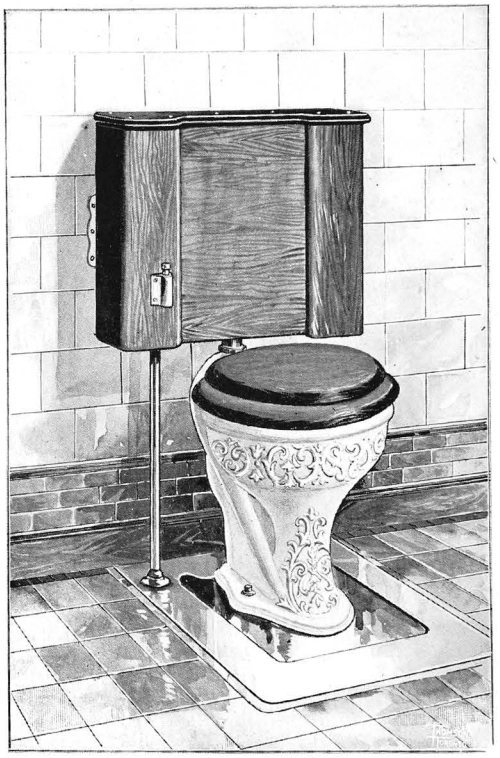

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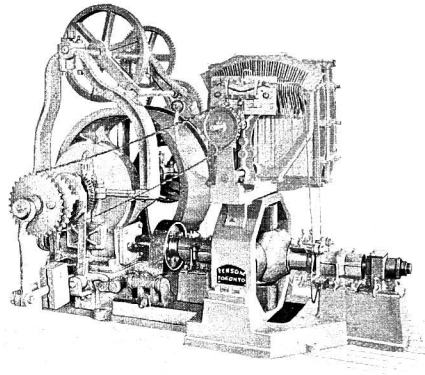


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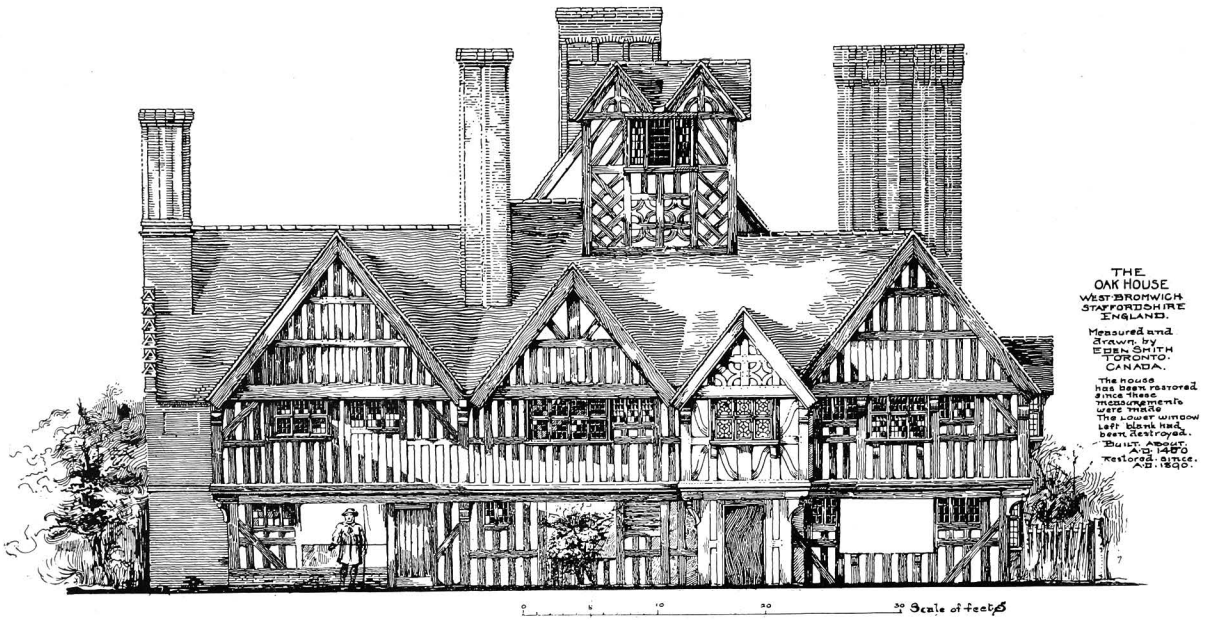


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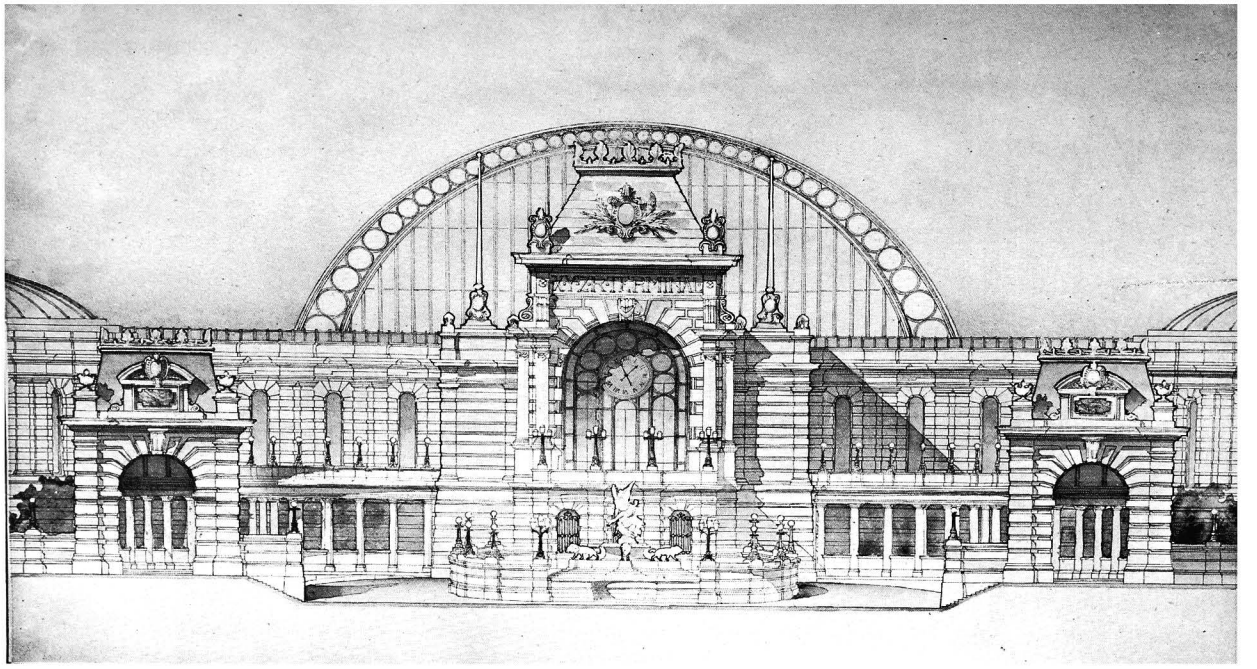

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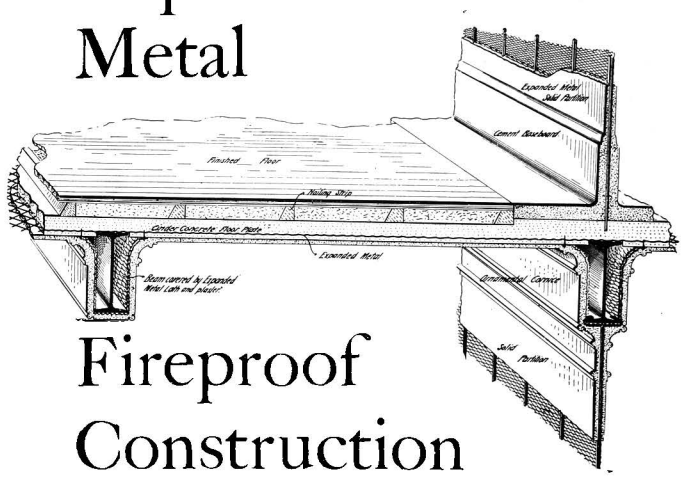


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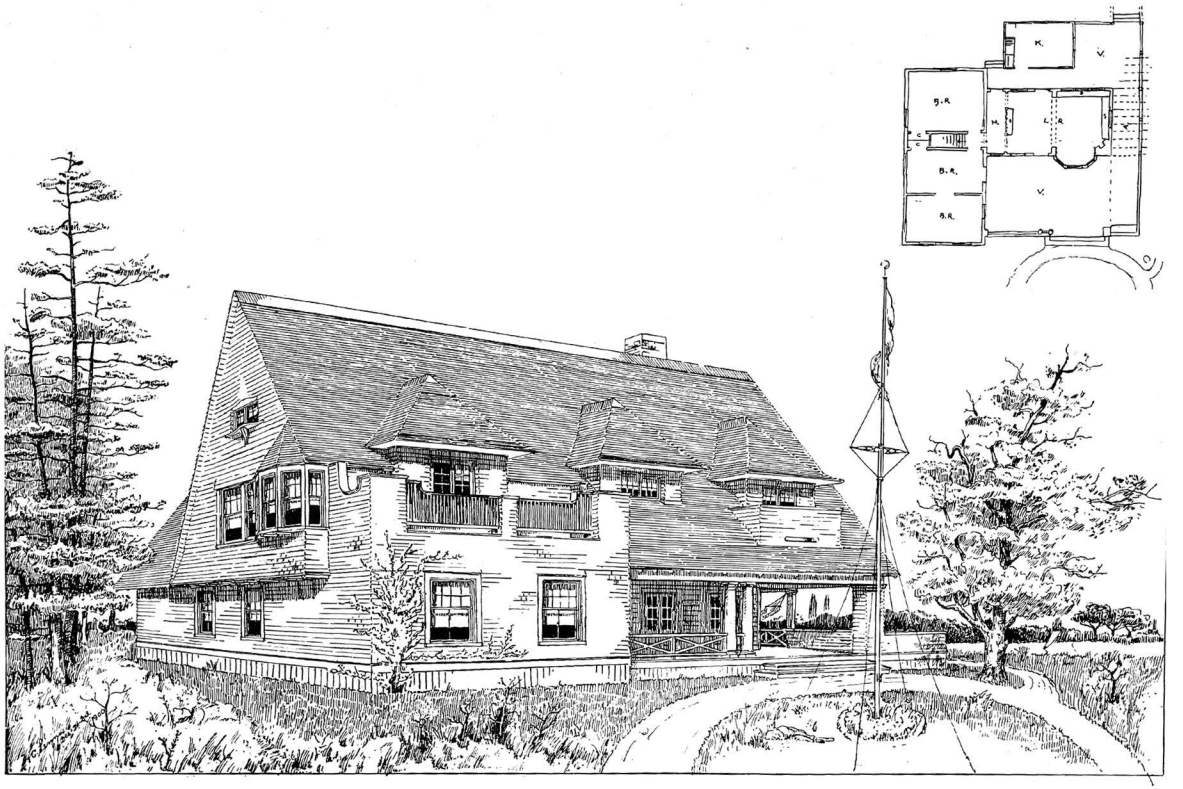


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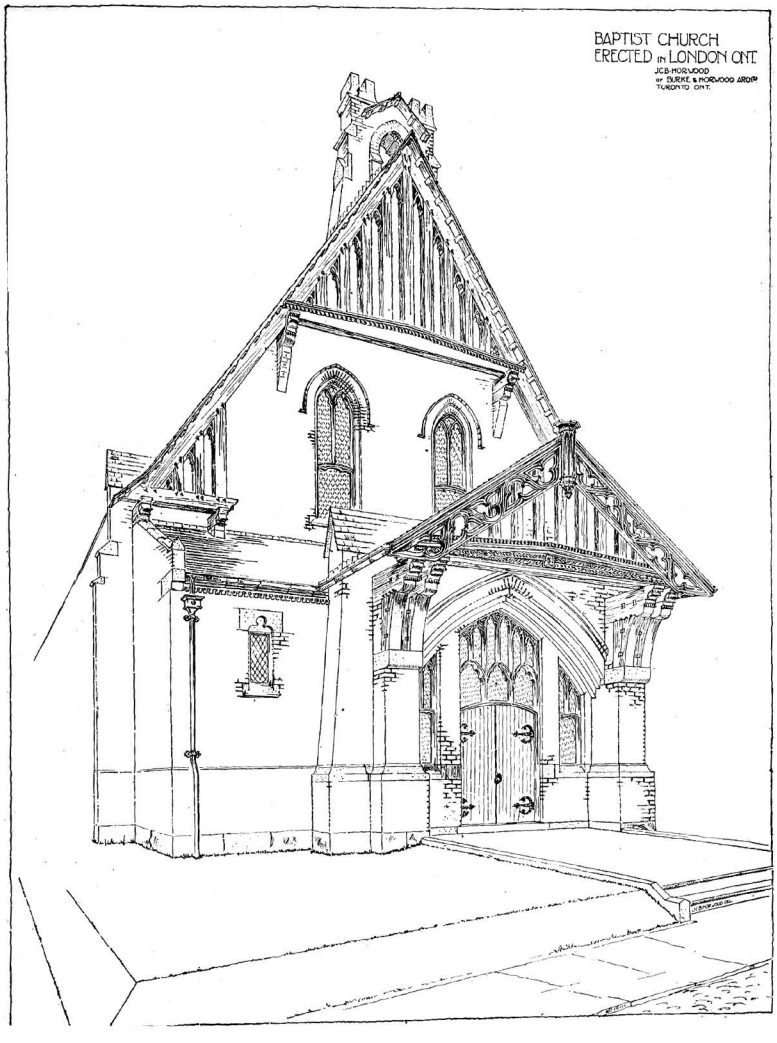


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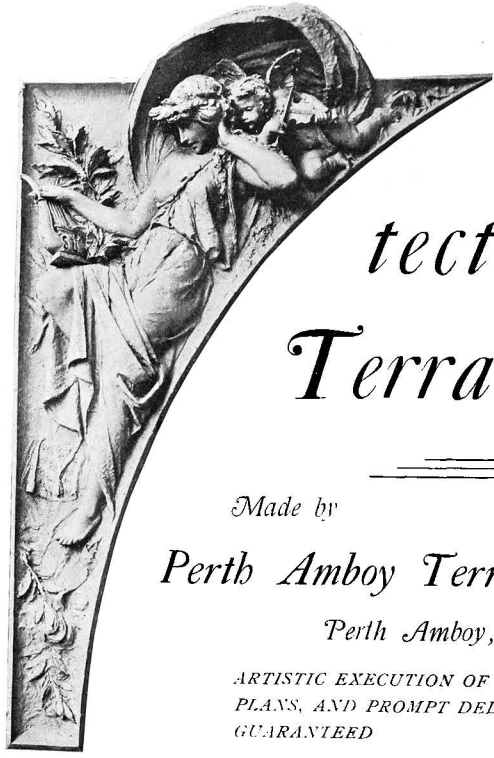

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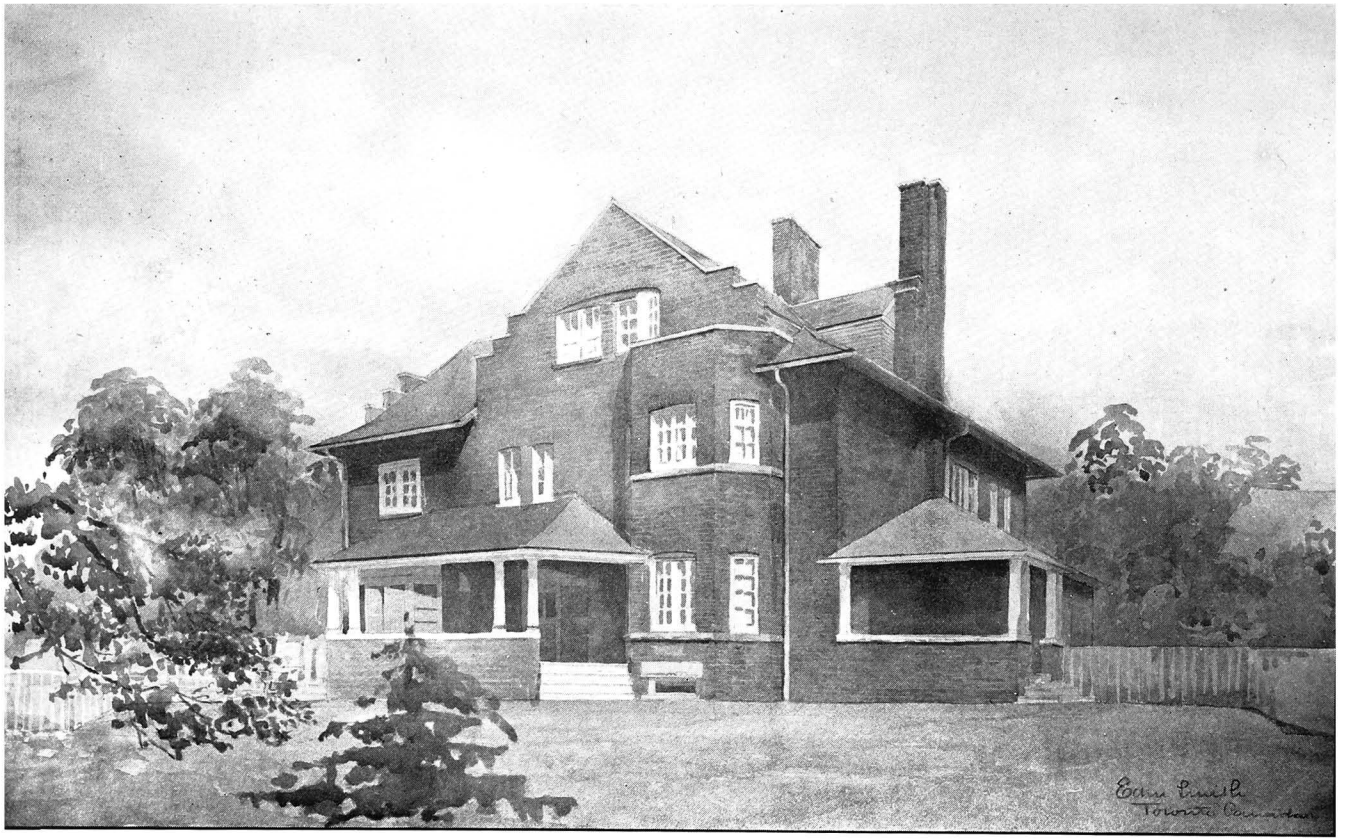

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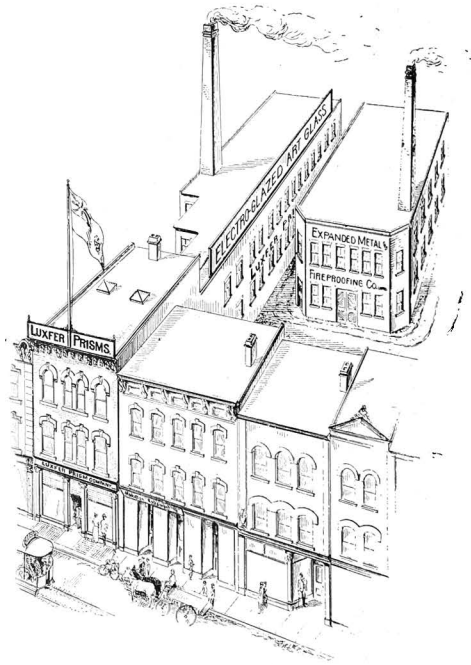


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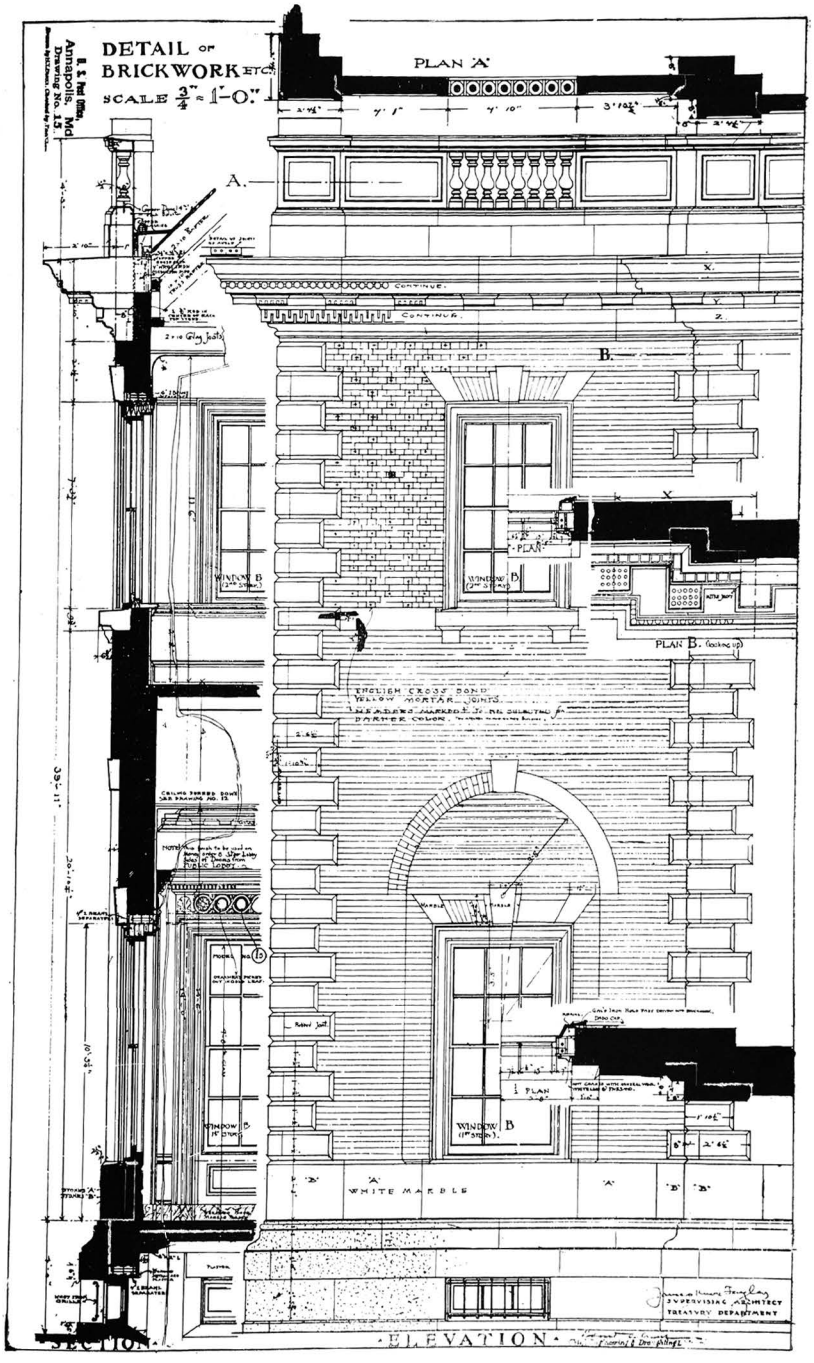


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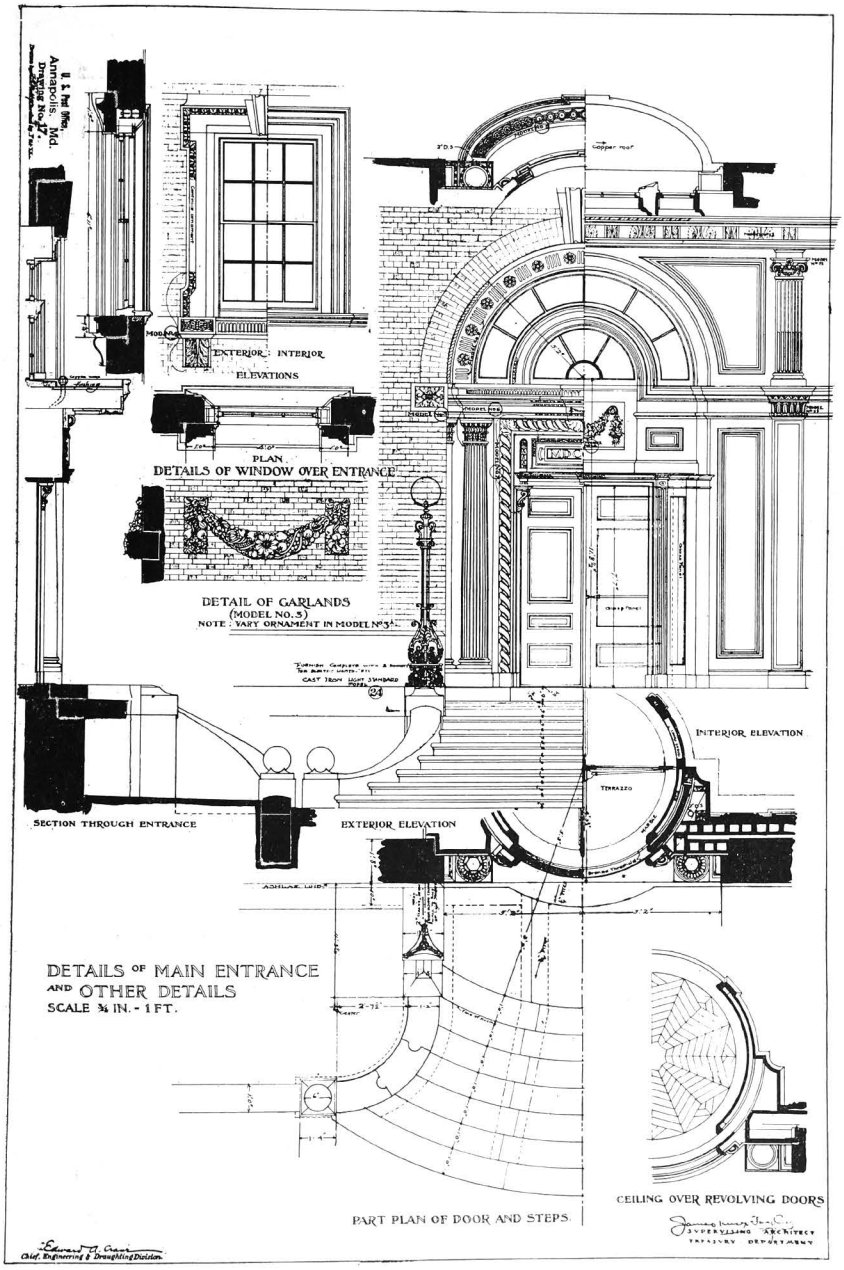


DETAILS OF POST OFFICE AT ANNAPOLIS, MD.

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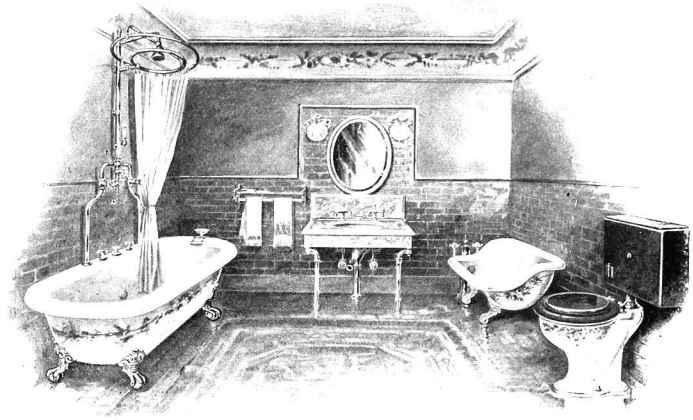

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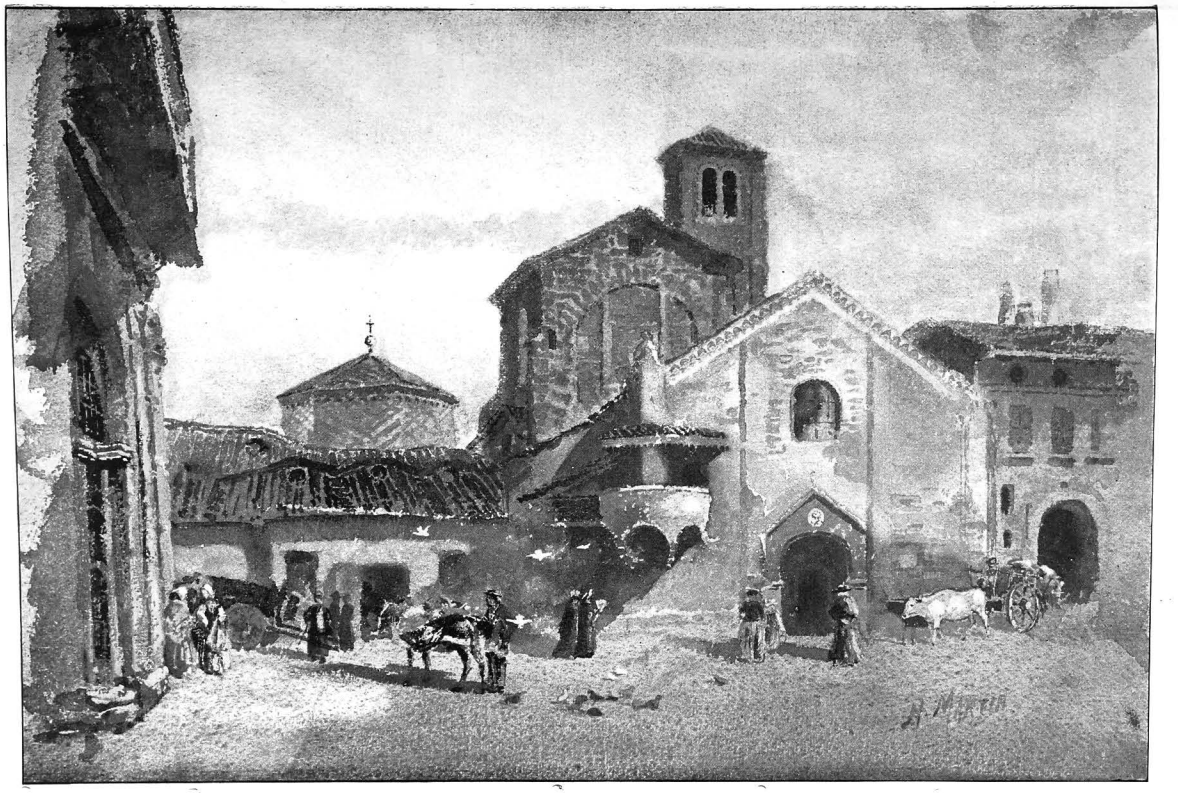


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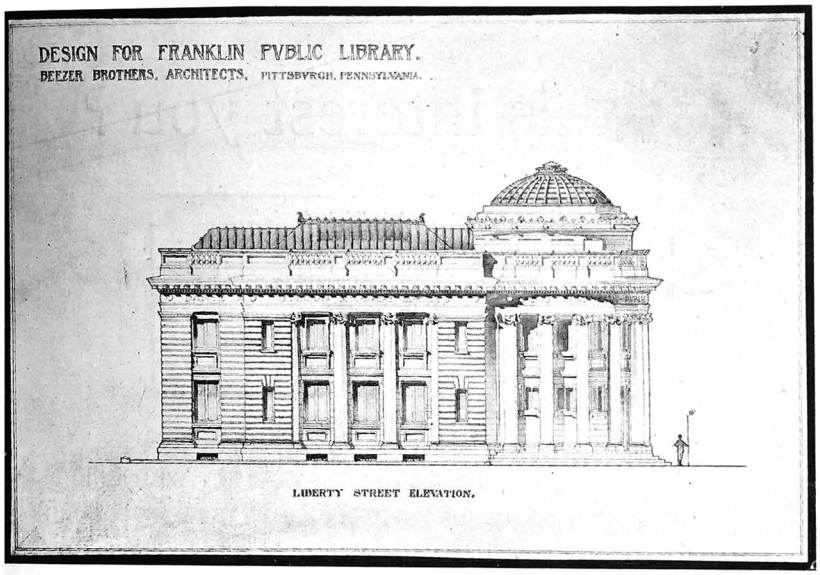


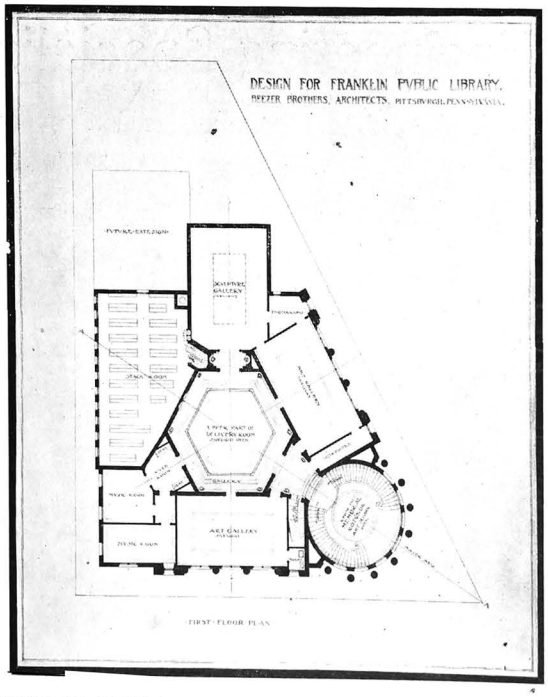


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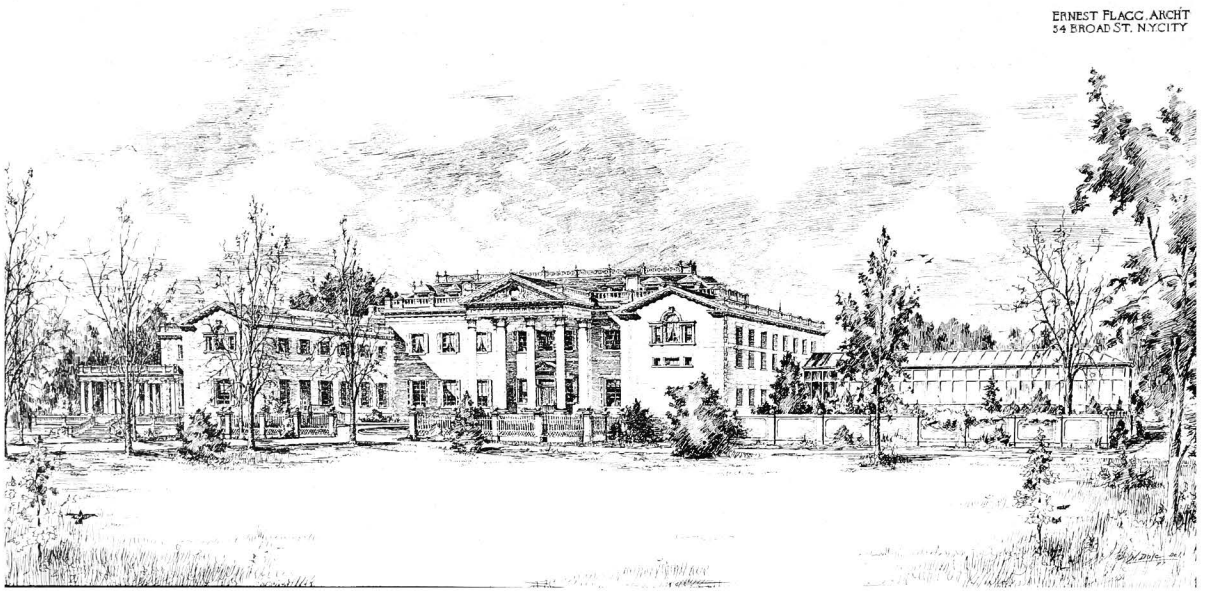


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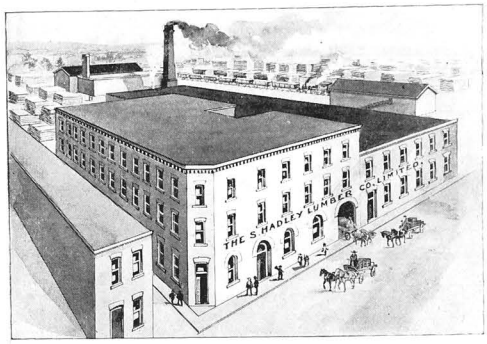


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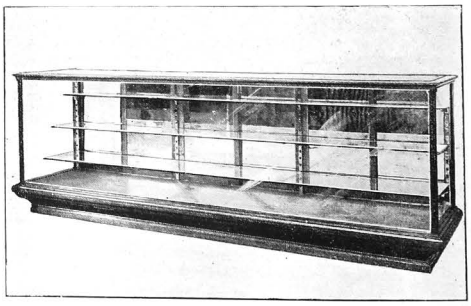

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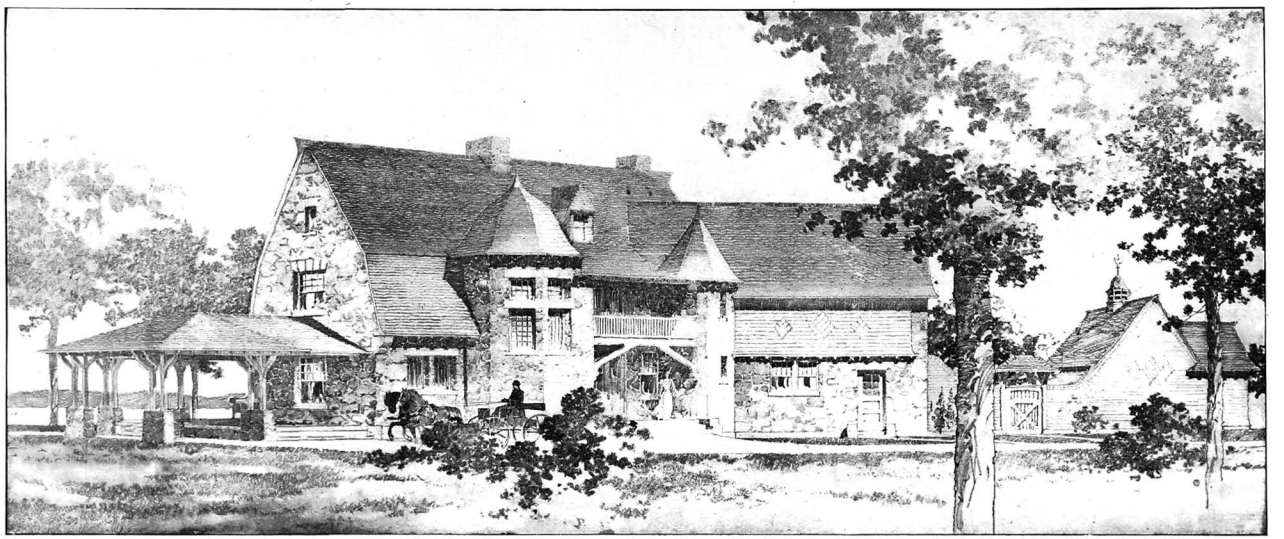

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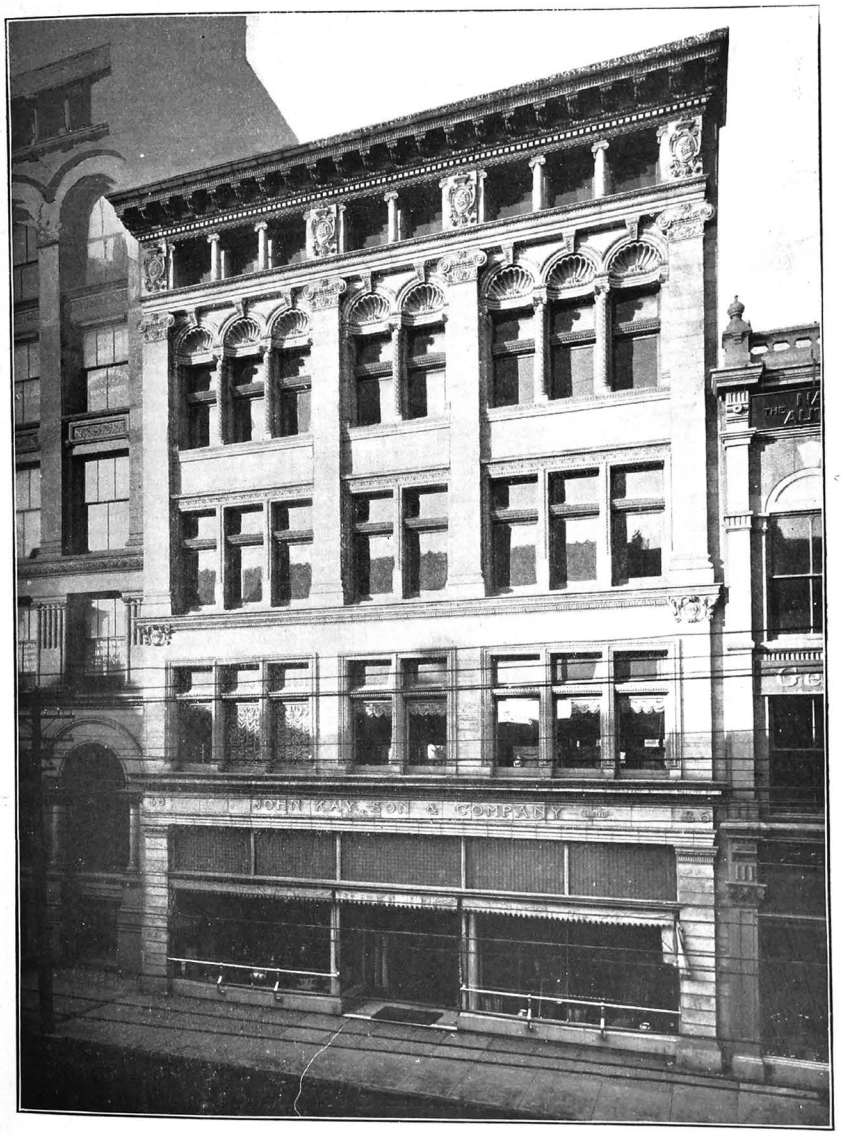


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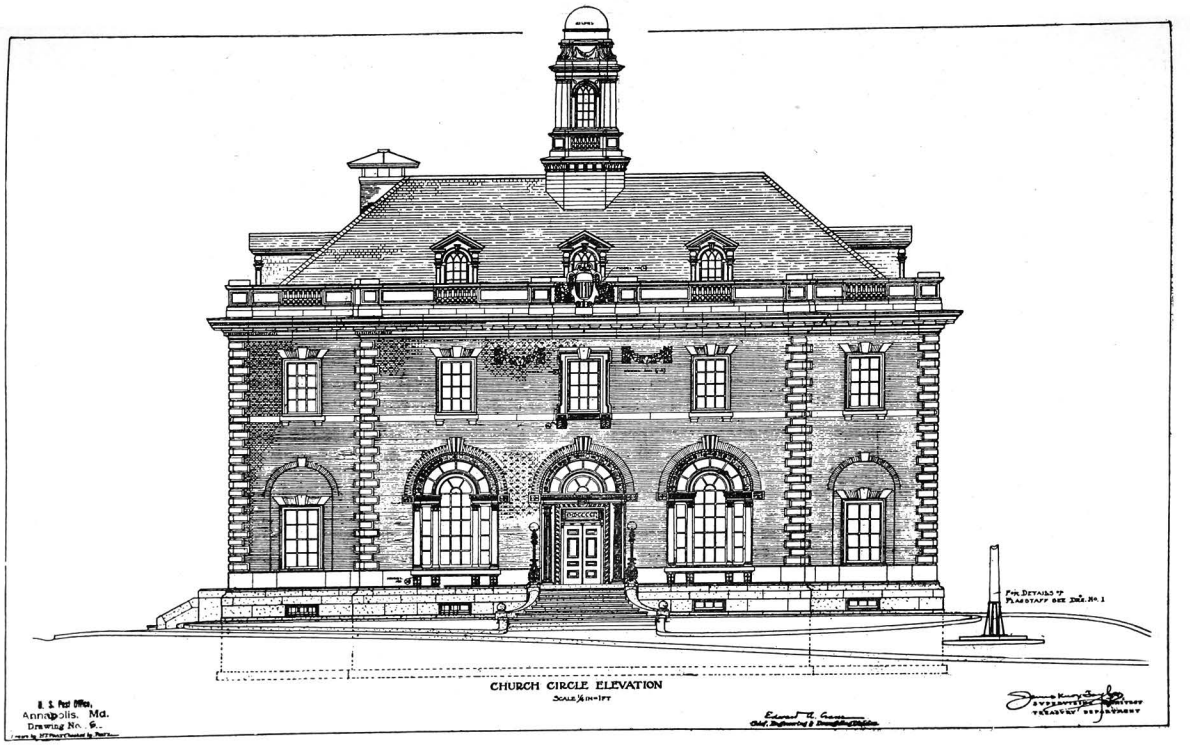
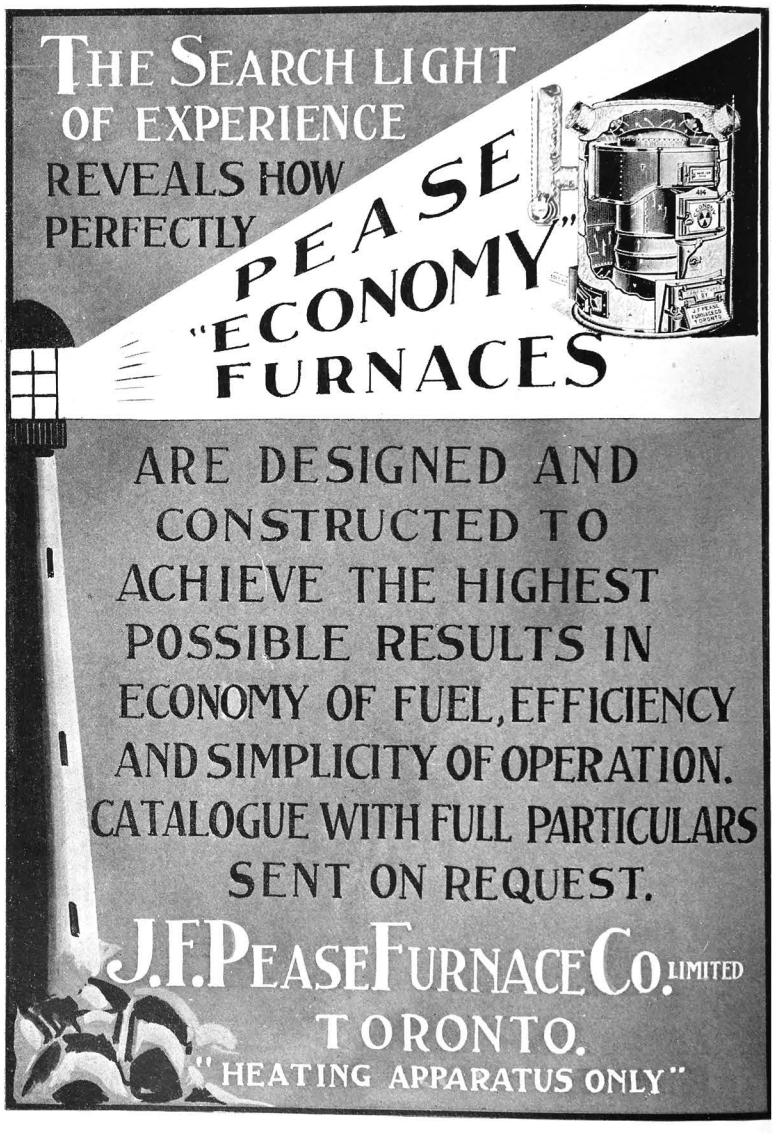



POST OFFICE, ANNAPOLIS, MD., J. Knox Taylor, Architect.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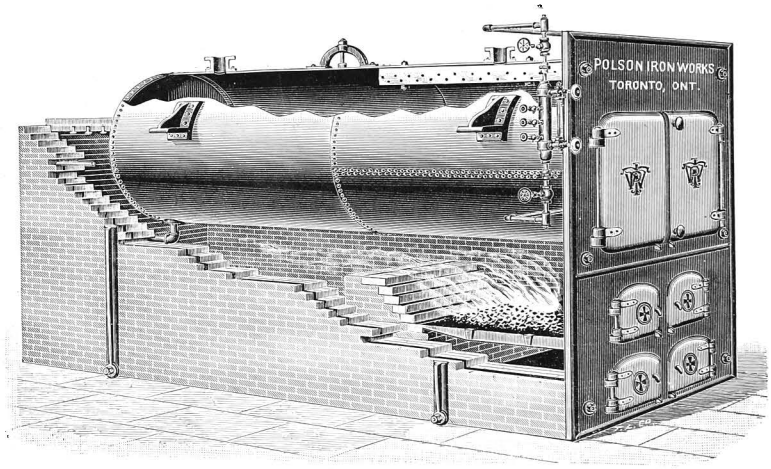


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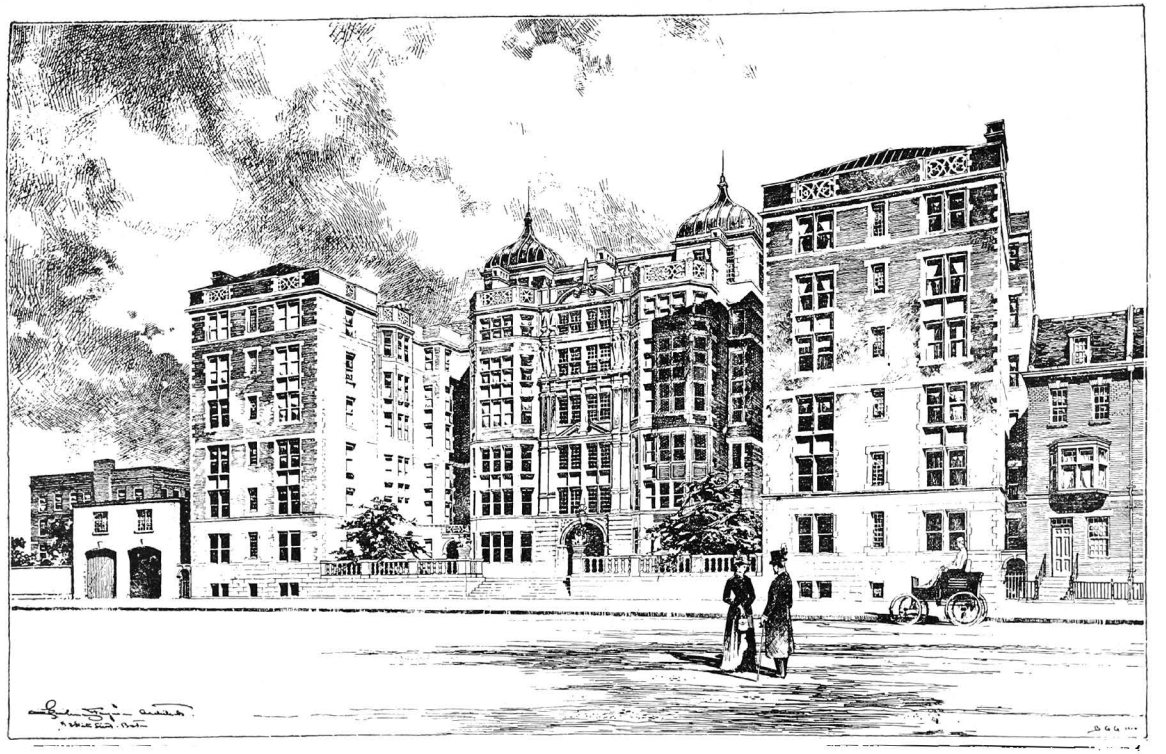

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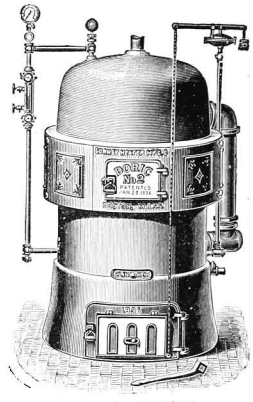

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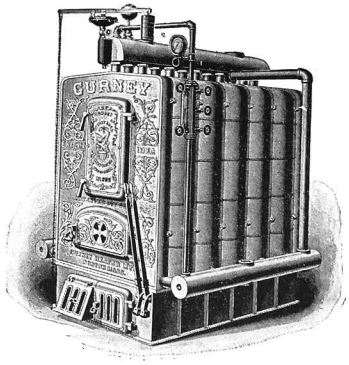
In closing I would say that I can most heartily recommend the Gurney "**Bright Idea**" Steam Boiler to all users of steam-heating apparatus. Yours truly,

[Sgd.] WM. BRECKELL, Sexton.

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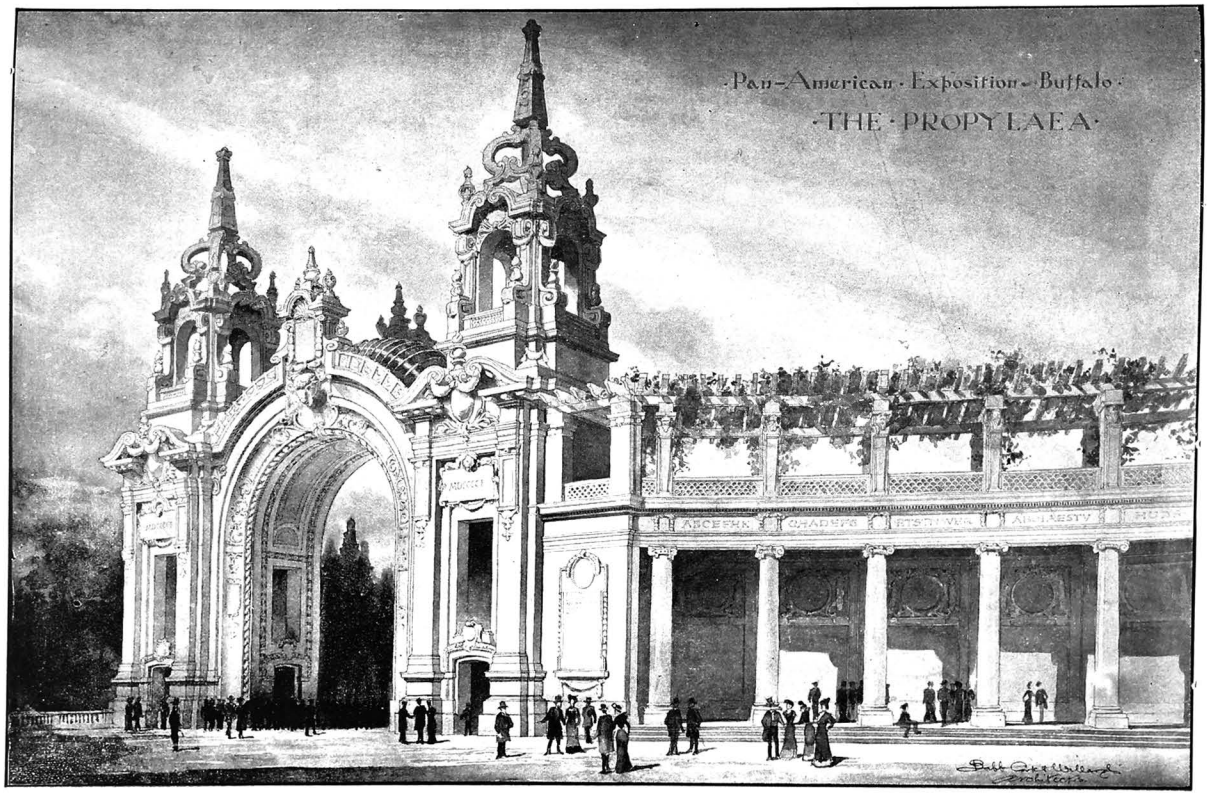
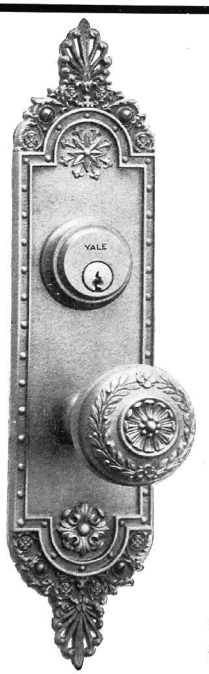



THE PROPYLAEA. PAN-AMERICAN EXPOSITION, BUFFALO, N.Y.

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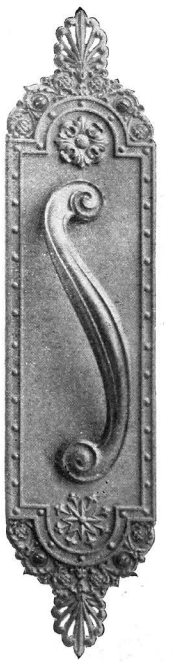

SCHOOL EMPIRE
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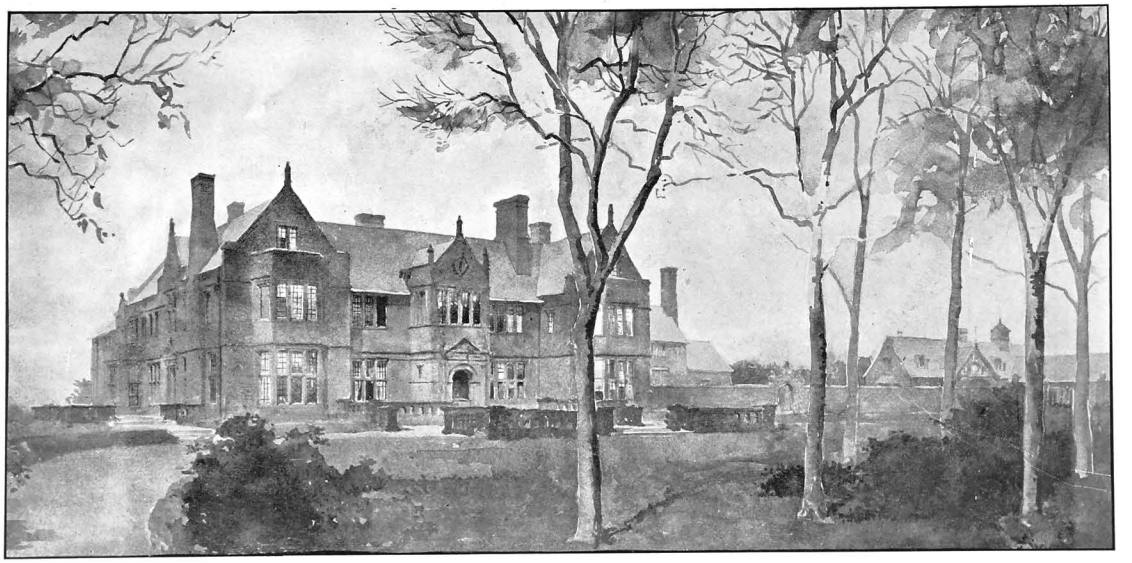

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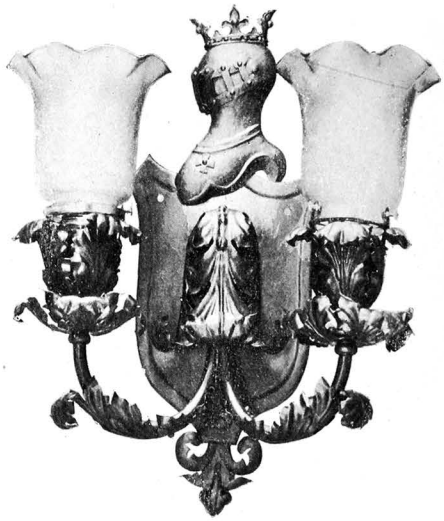

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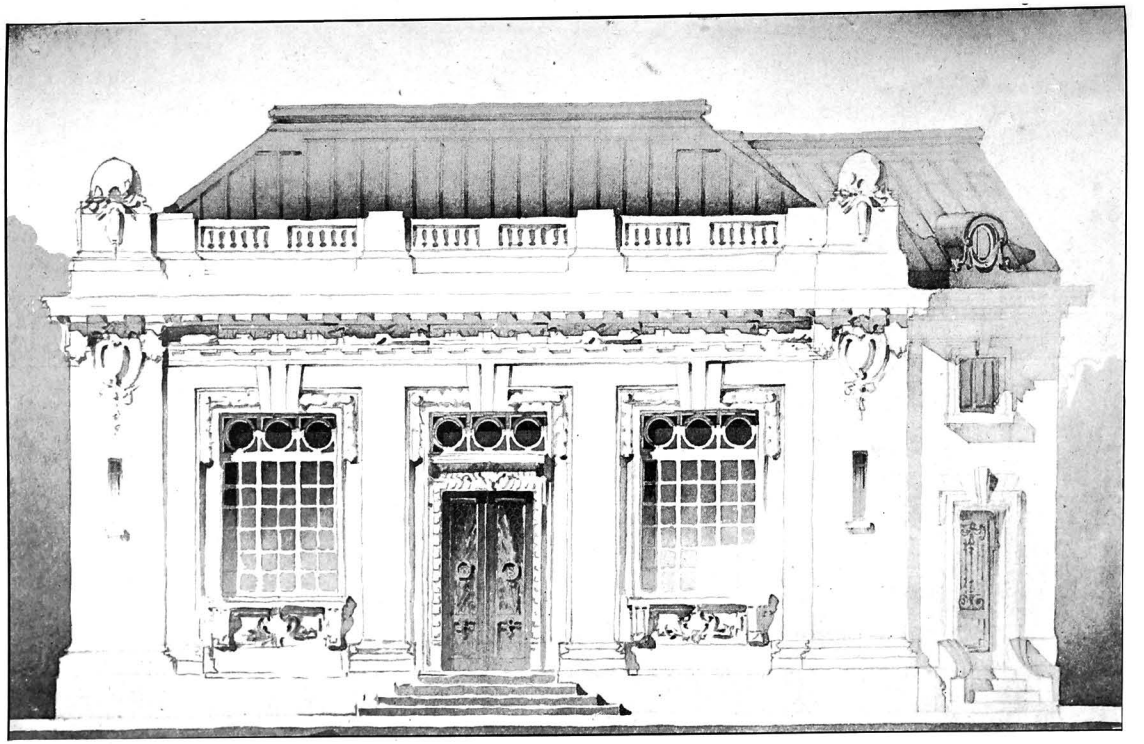

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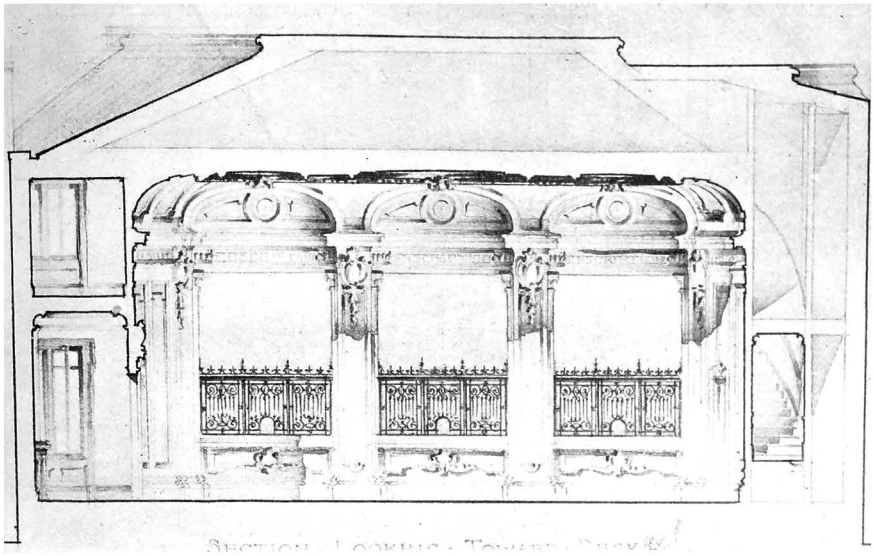
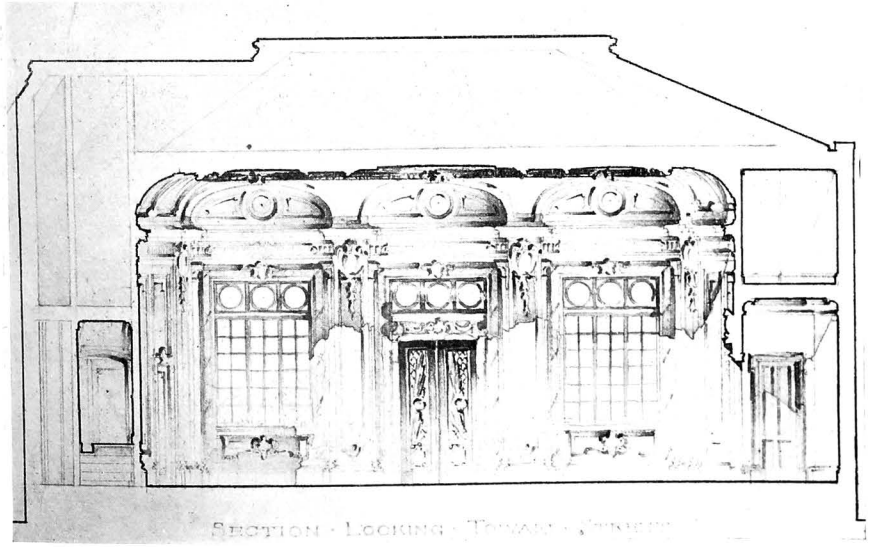
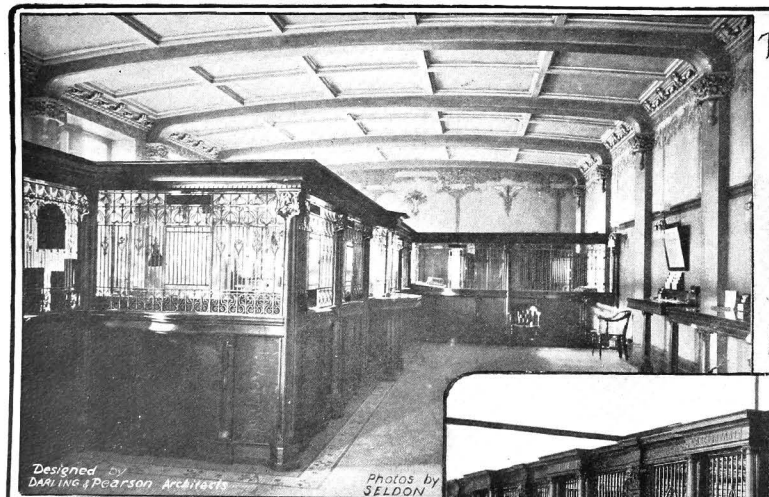




INTERIOR OF BANK AT NEW BRITTON, CONN.
Ernest Flagg, Architect.

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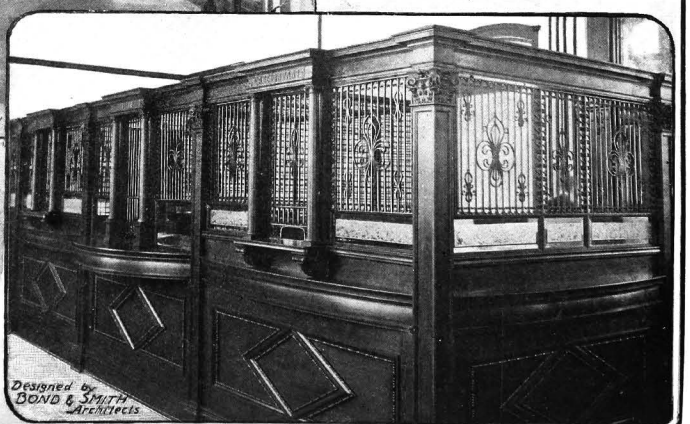

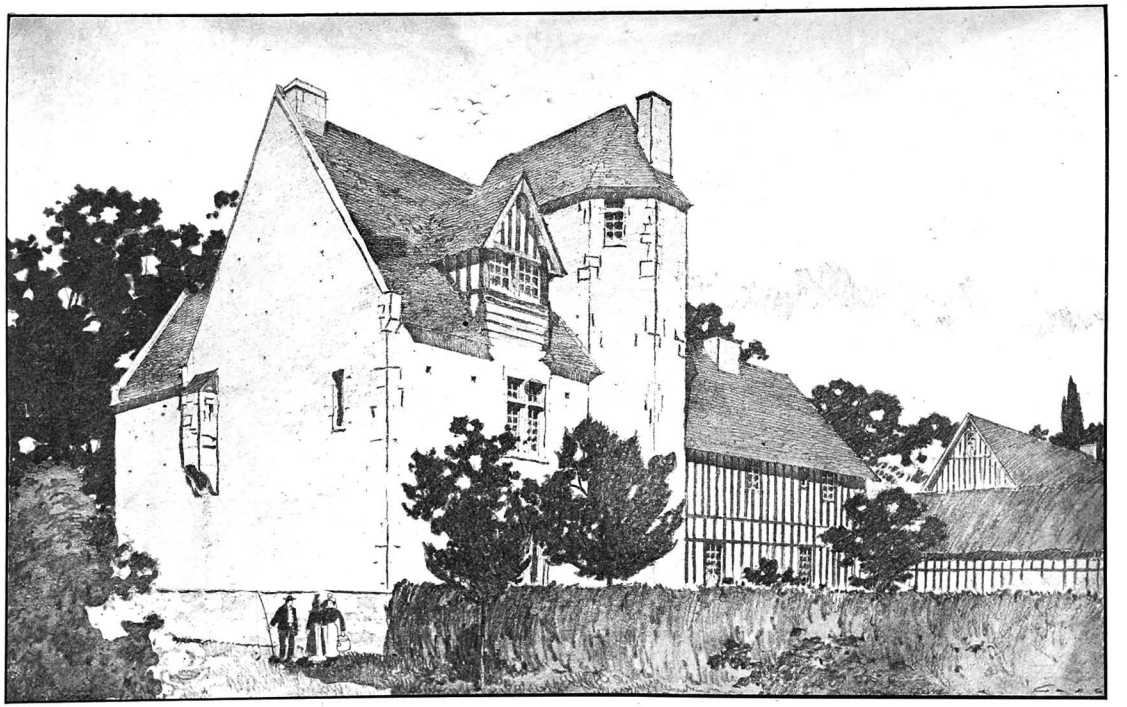

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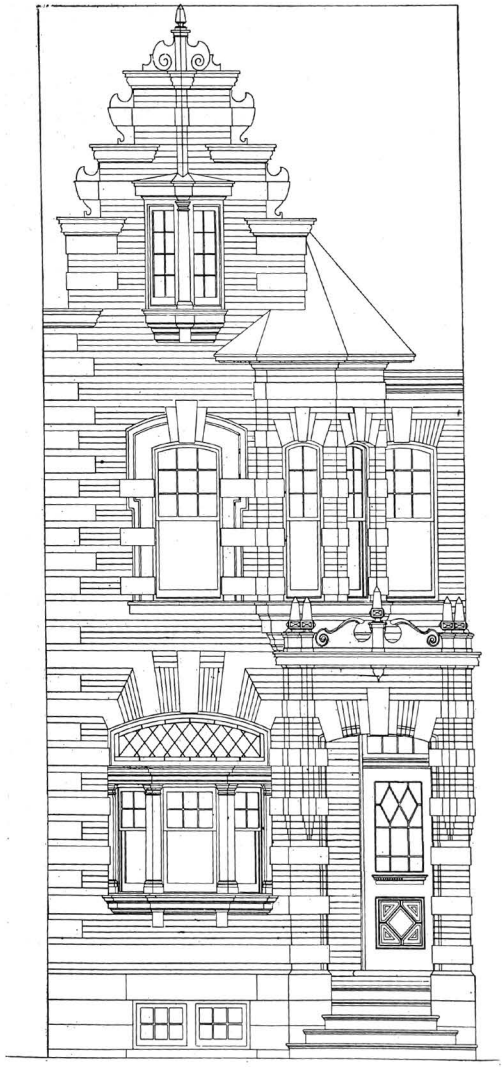
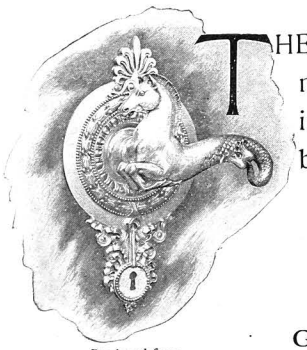


RESIDENCE ON WILCOX STREET, TORONTO.
Bond & Smith, Architects, Toronto.



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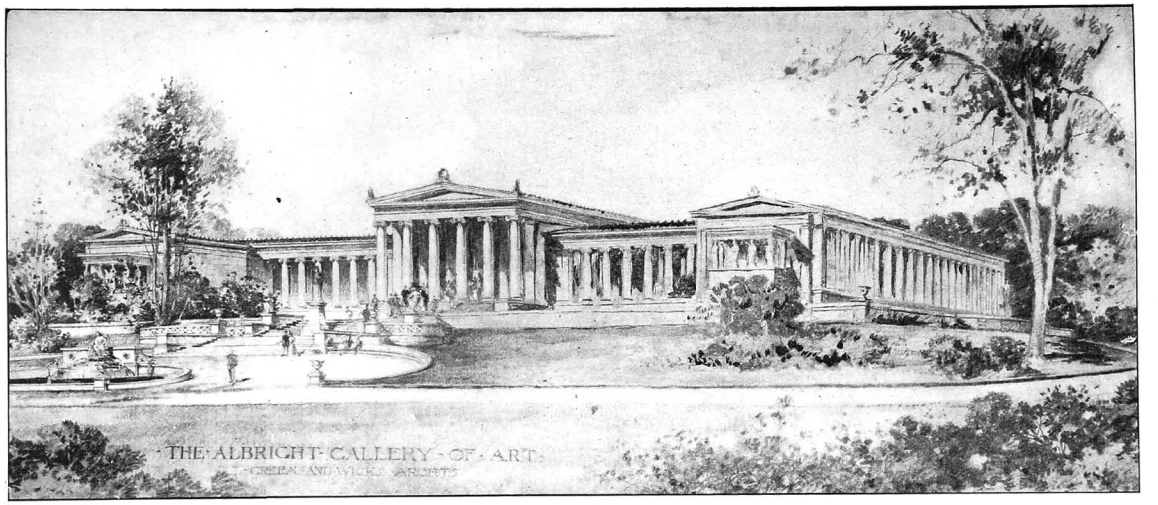


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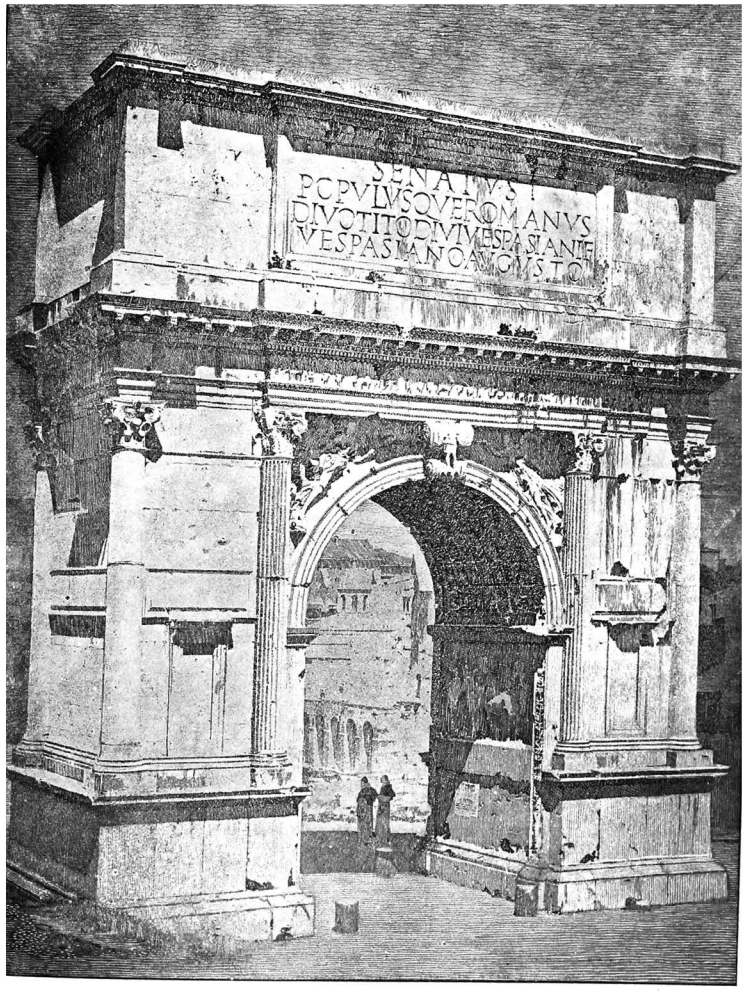


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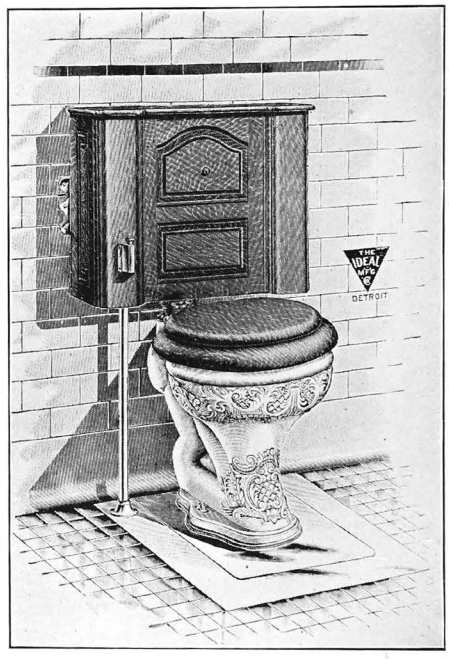


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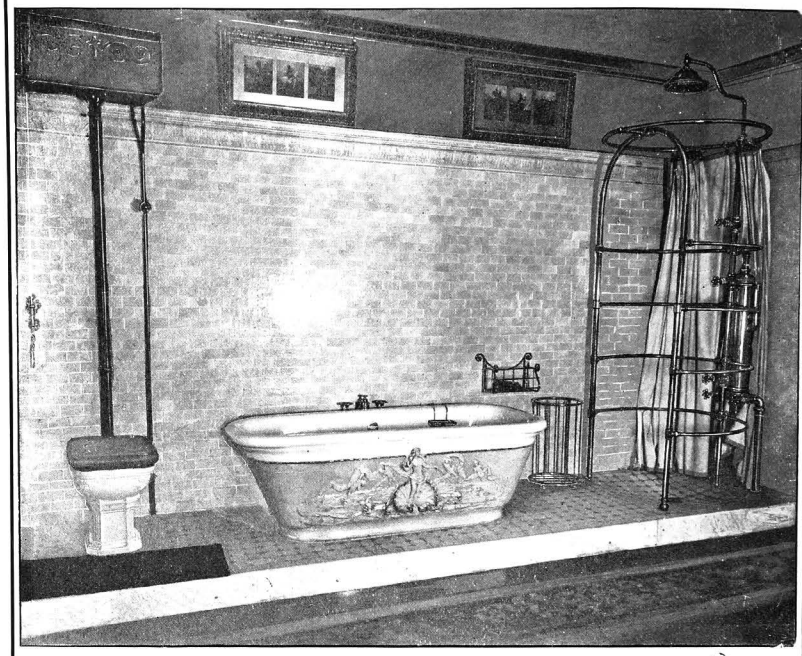

Bath Room. Major Pellatt's Residence, Toronto

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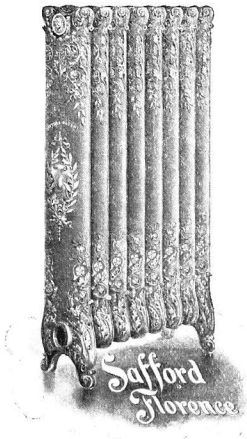


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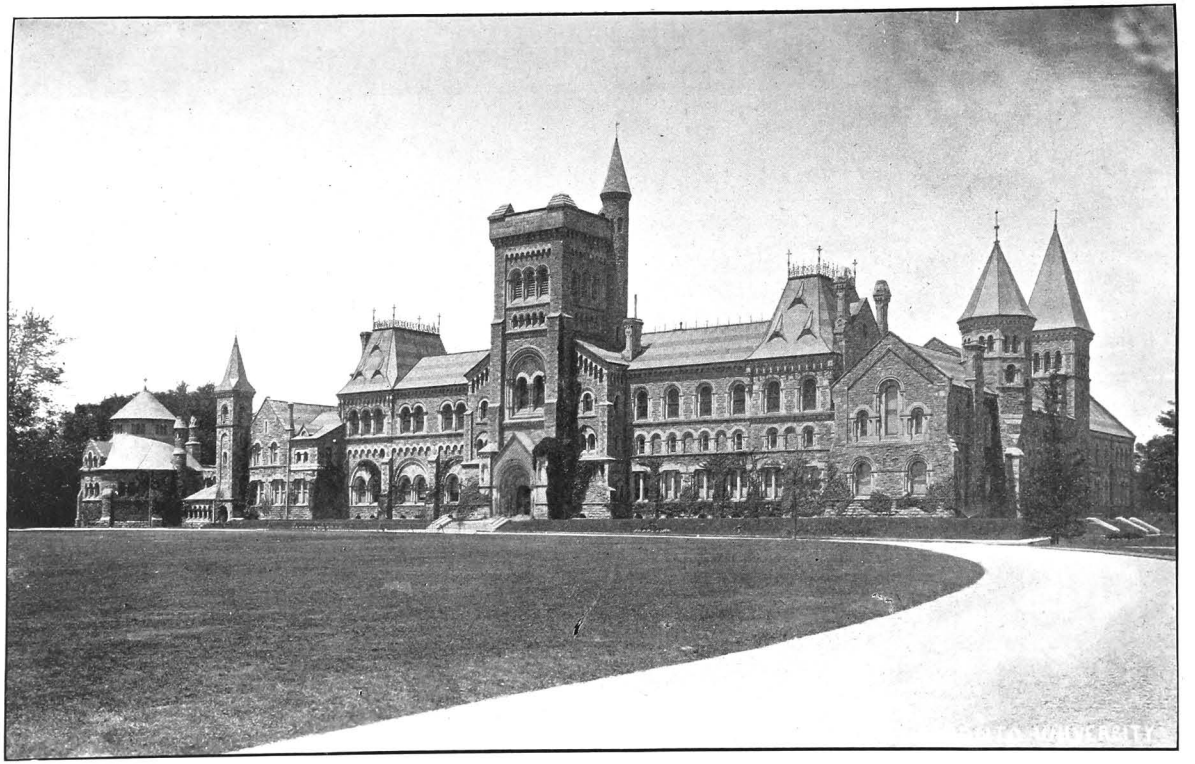
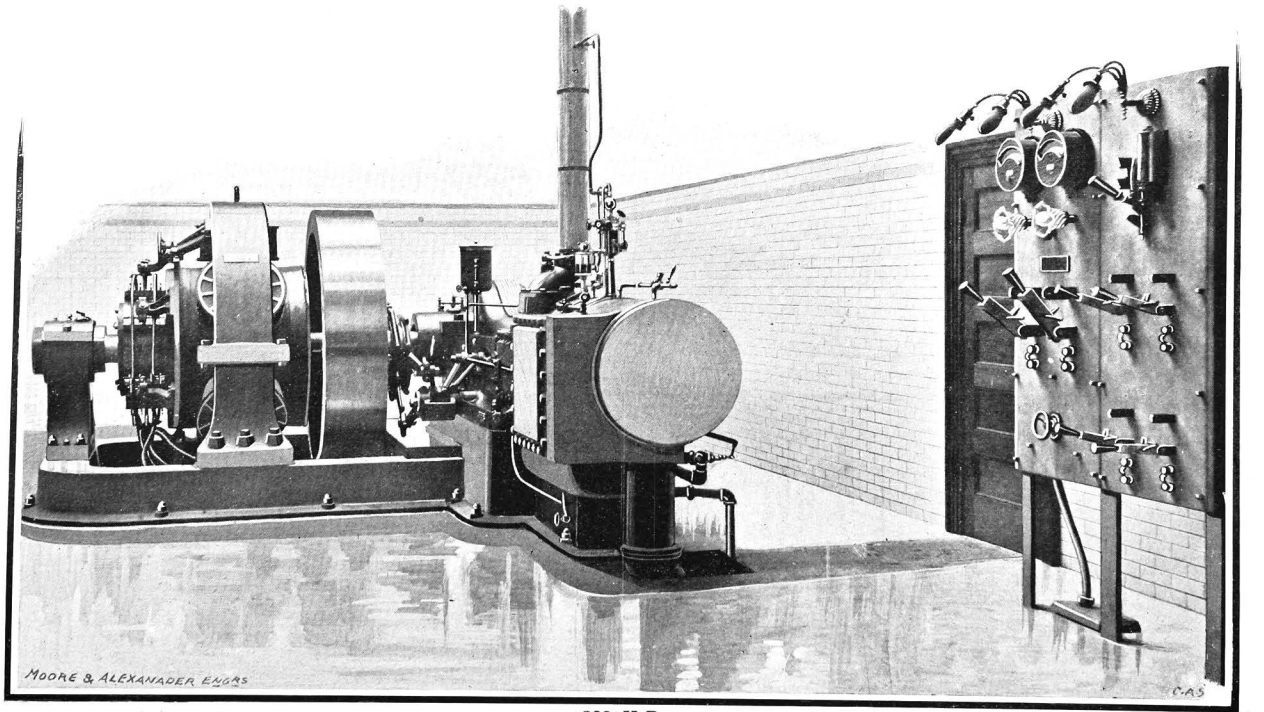


UNIVERSITY MAIN BUILDING, TORONTO. Cumberland & Storme, Architects, Toronto.

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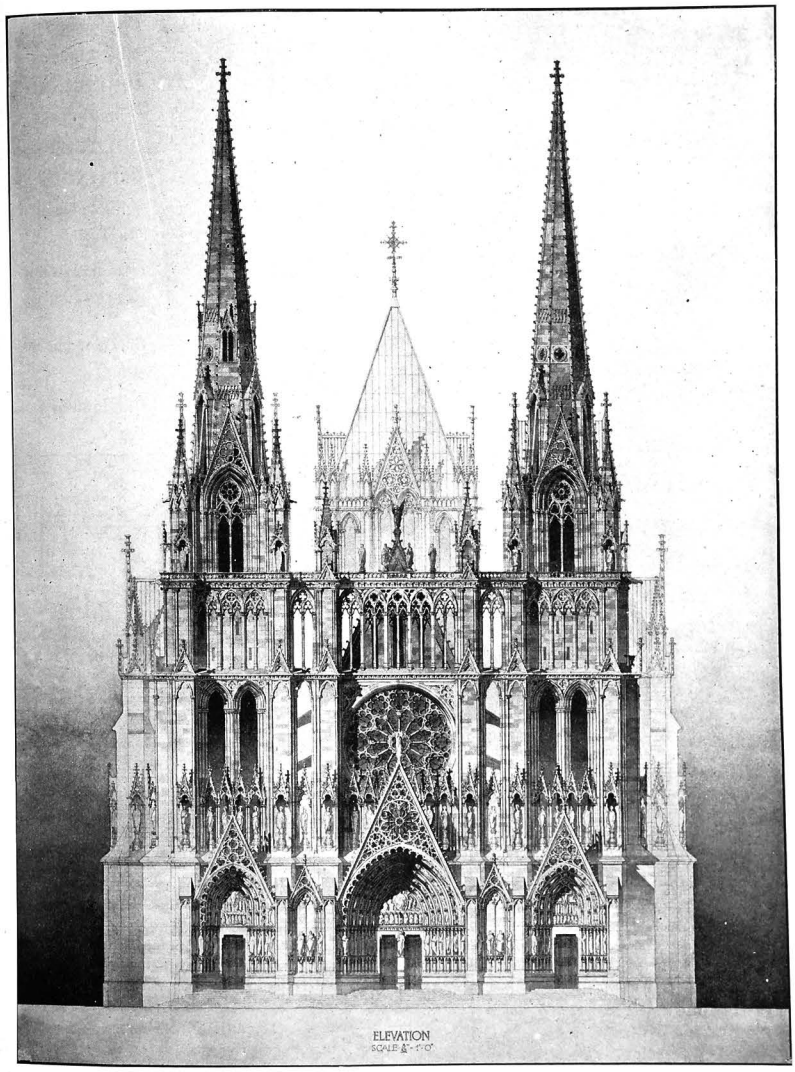


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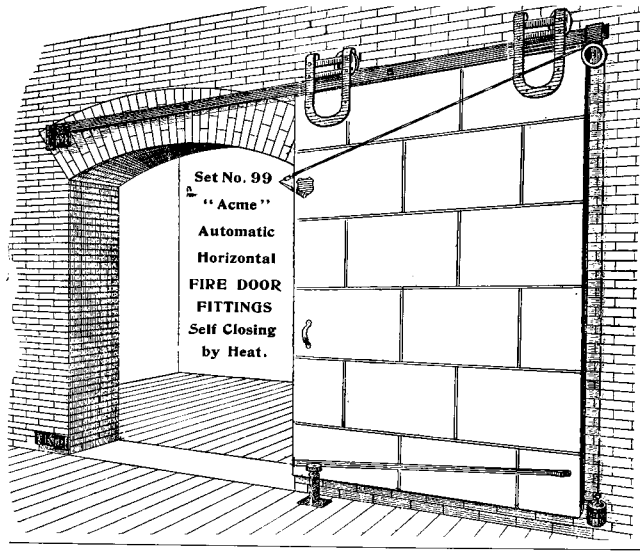
Ernest Flagg, Architect, New York.

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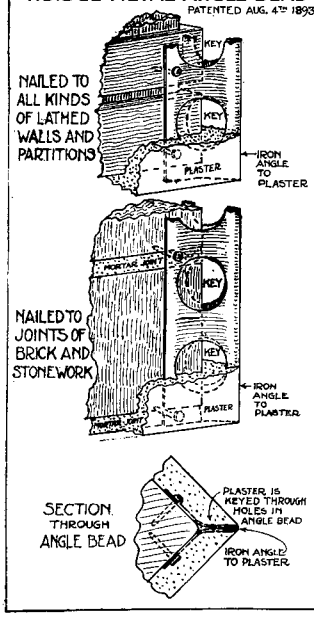


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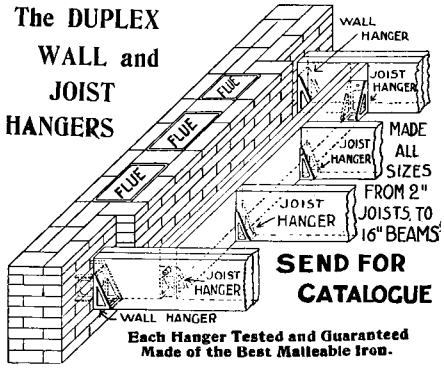


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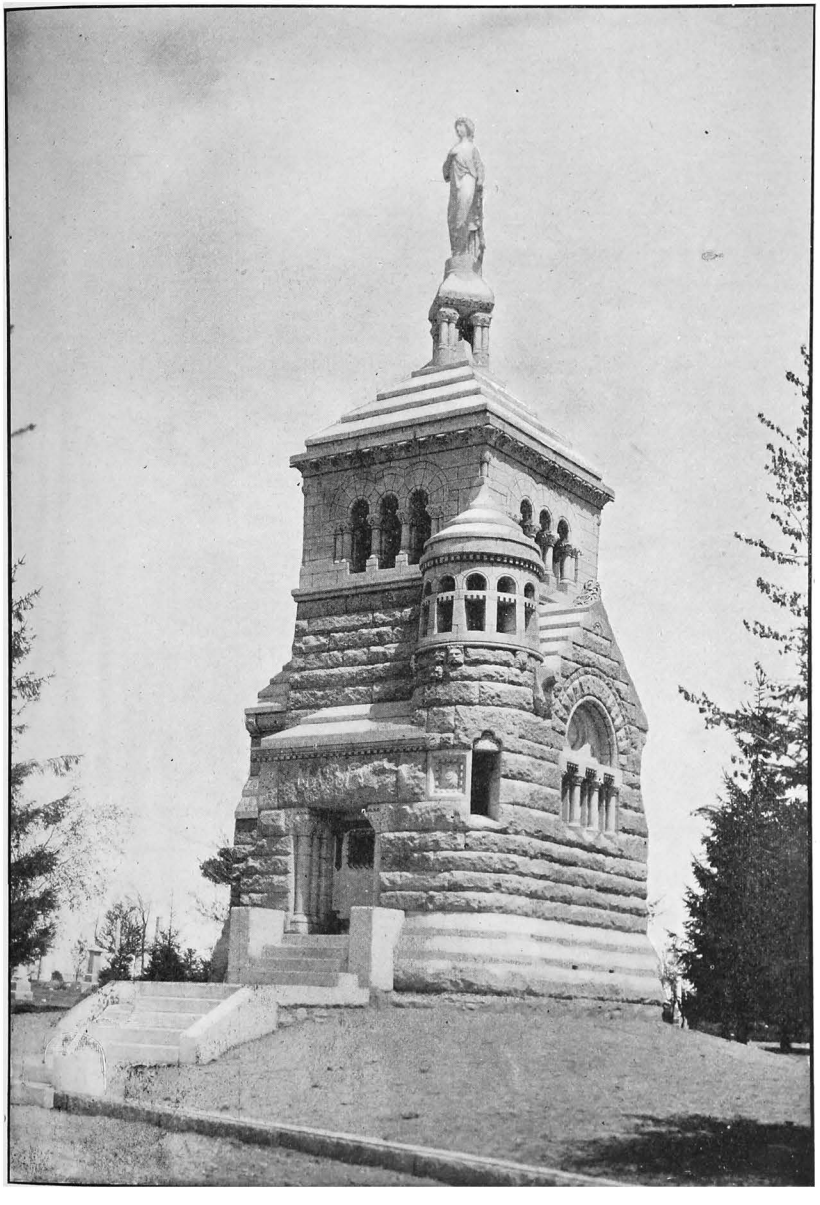

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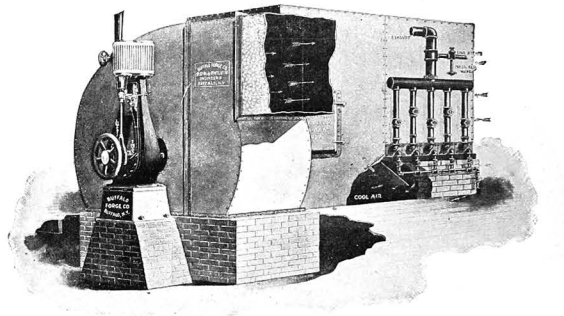


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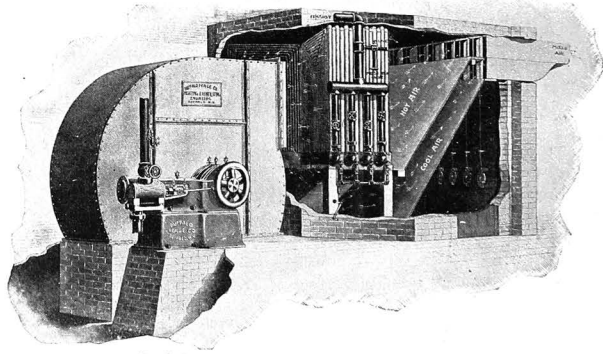


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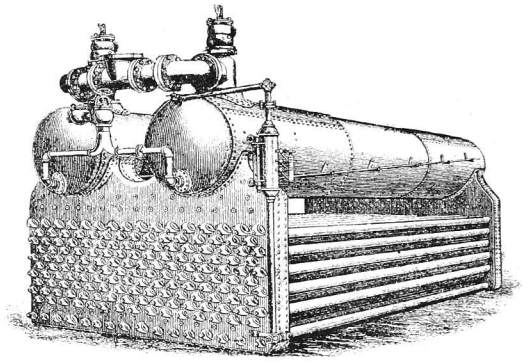

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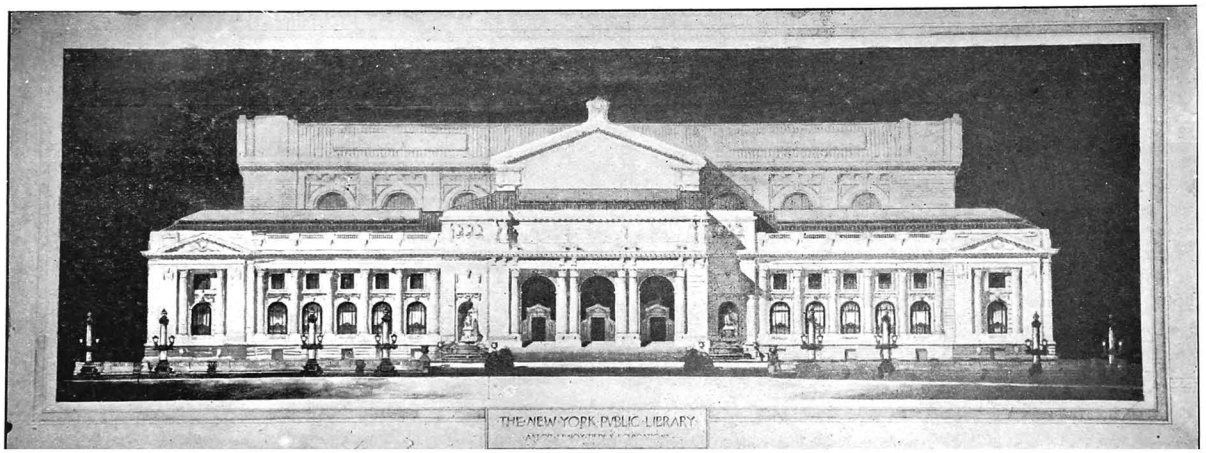


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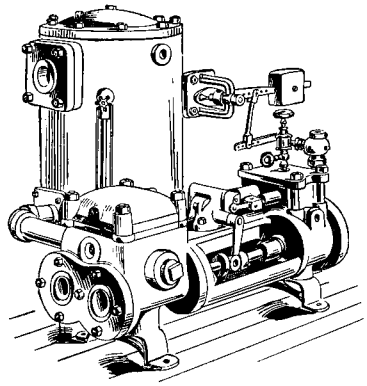

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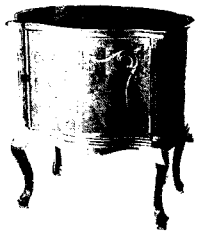

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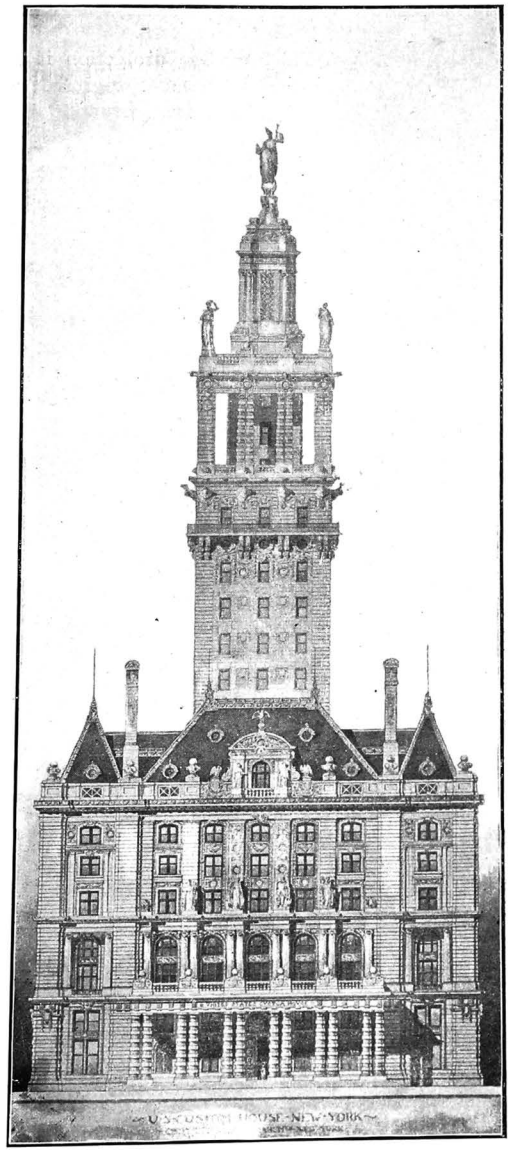


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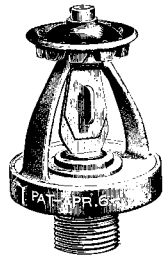


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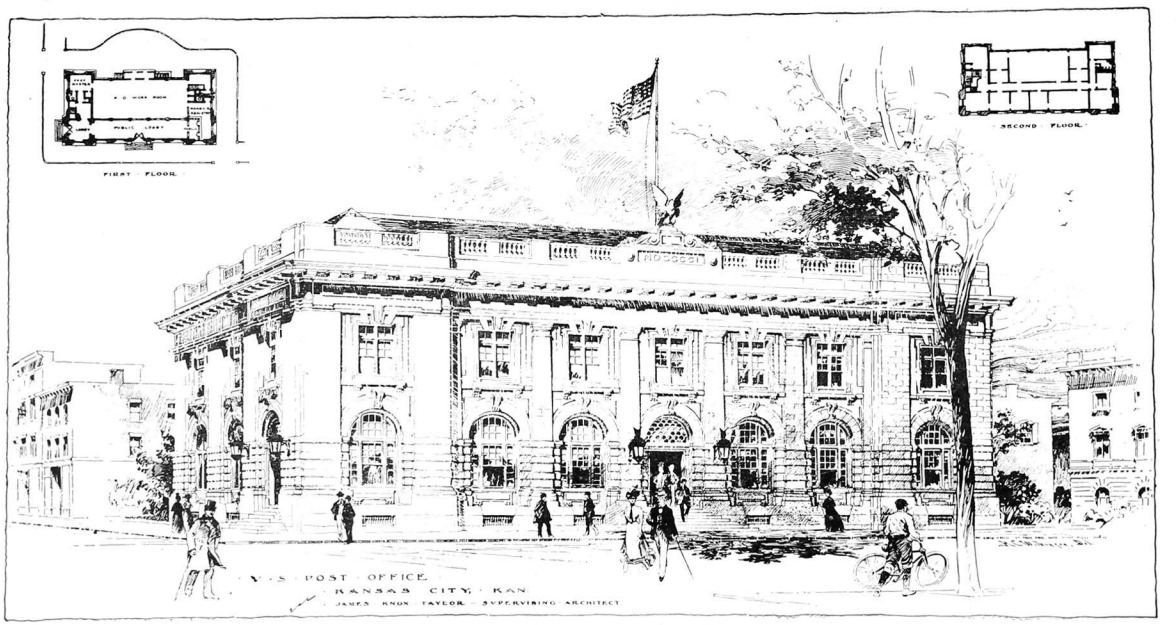
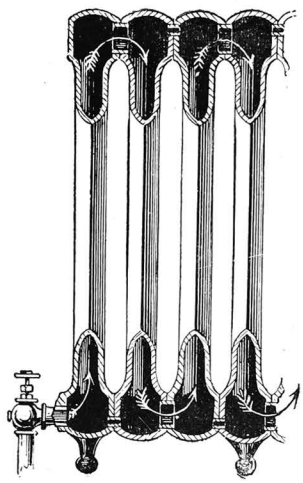



POST OFFICE, KANSAS CITY. J. Knox Taylor, Architect



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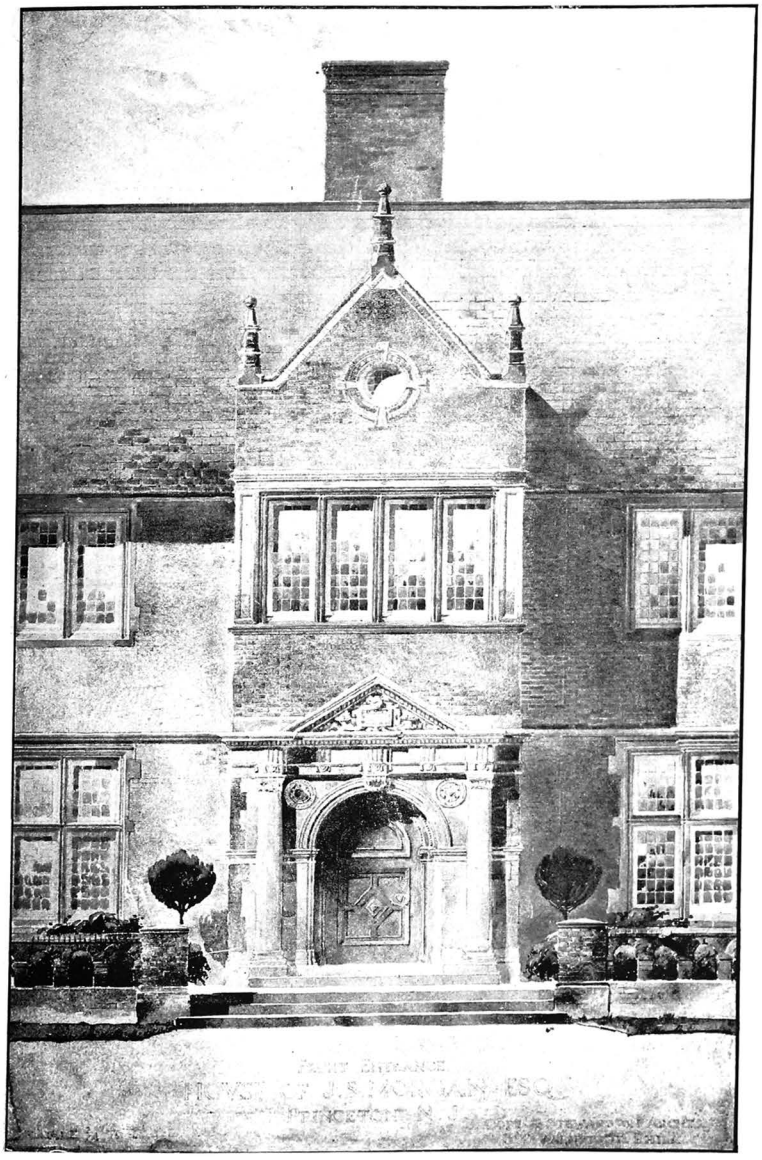

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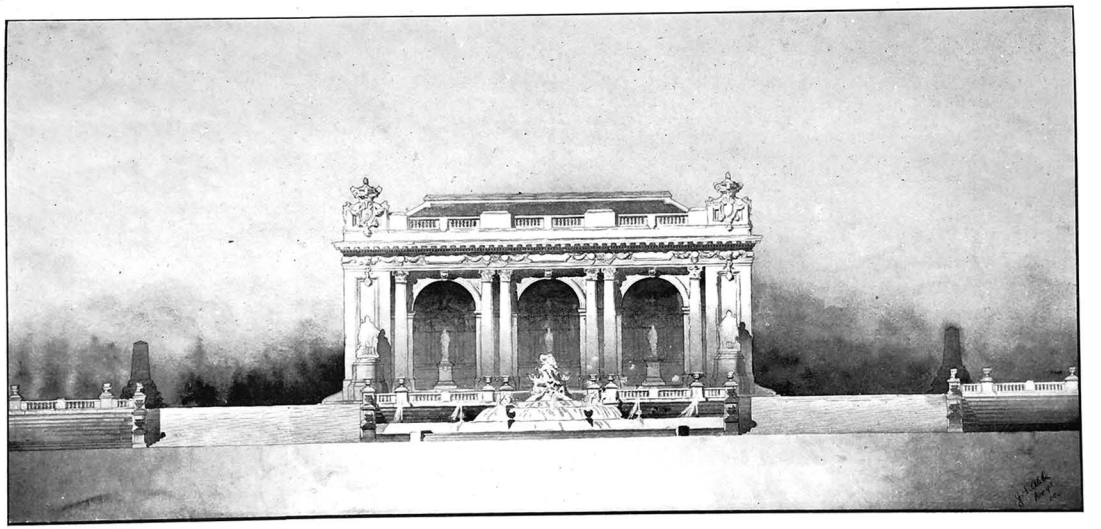

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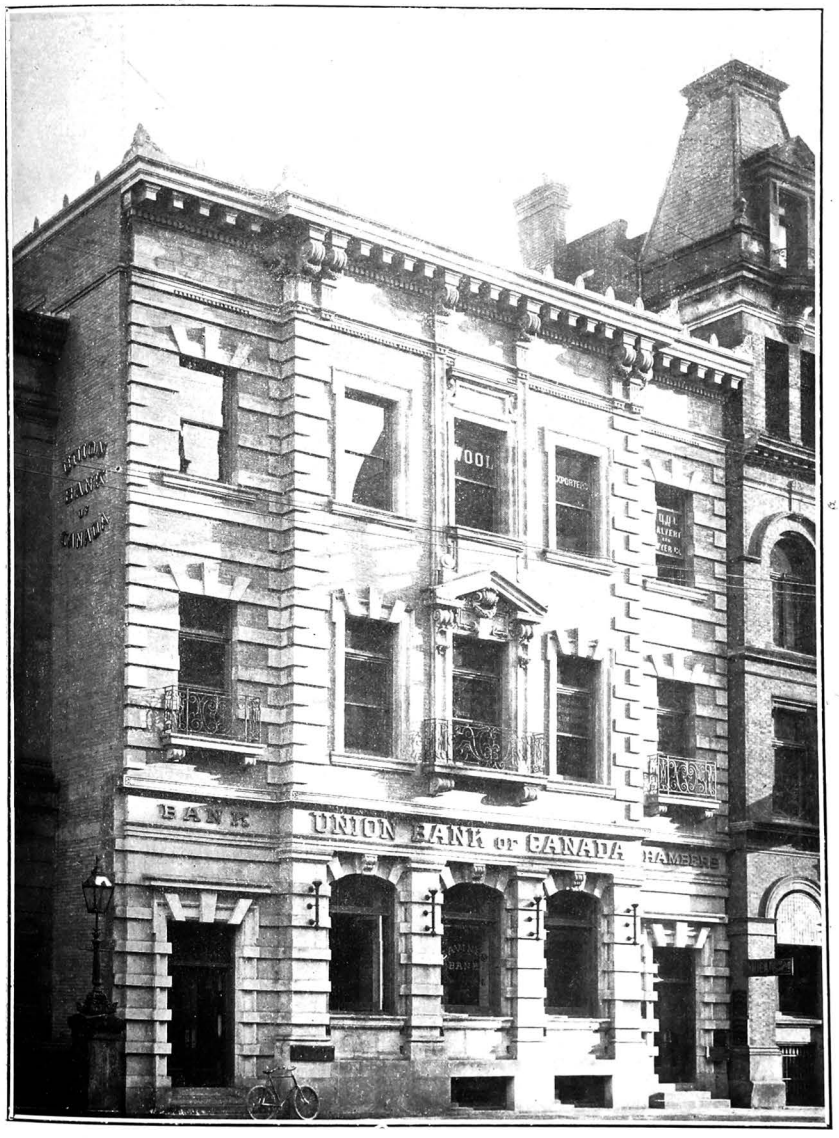


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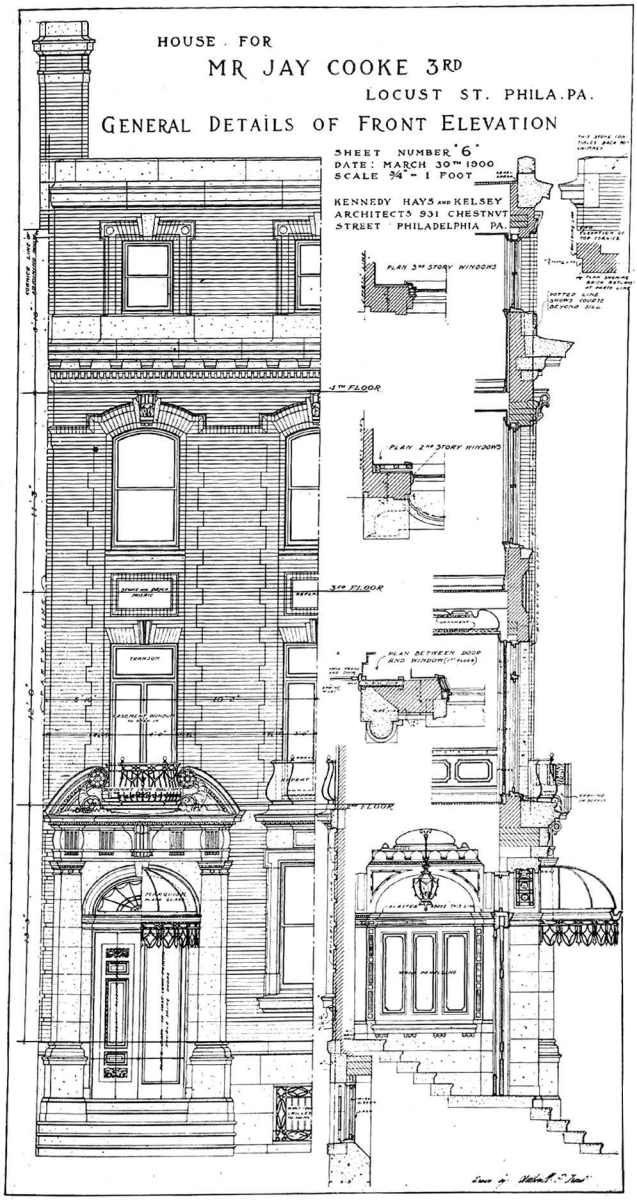


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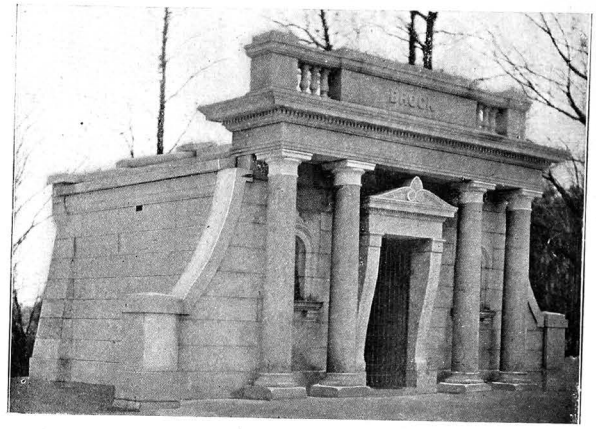

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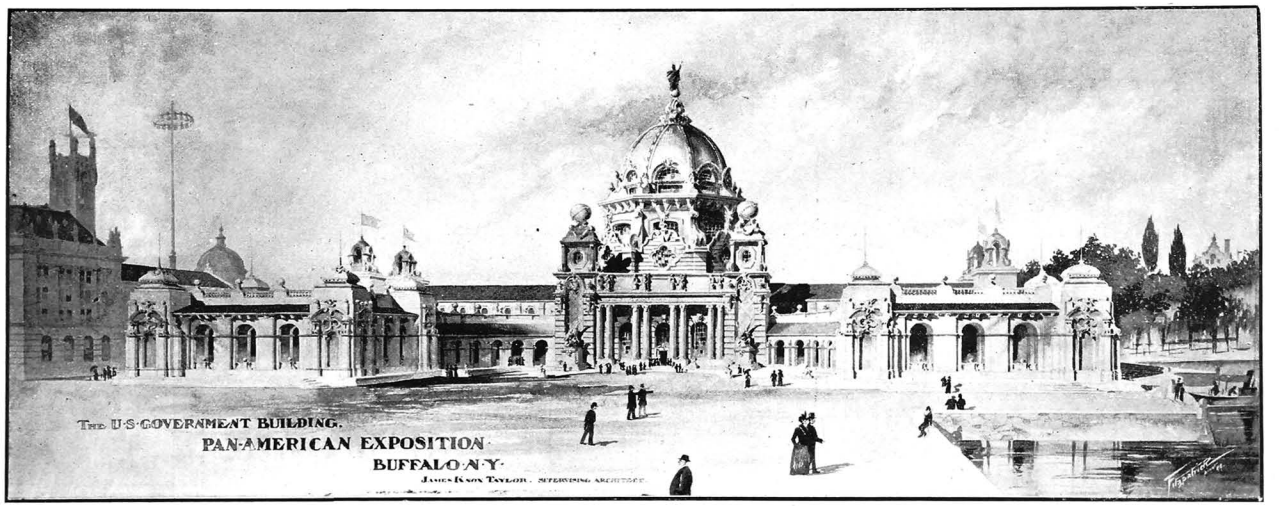


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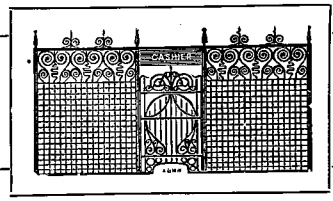


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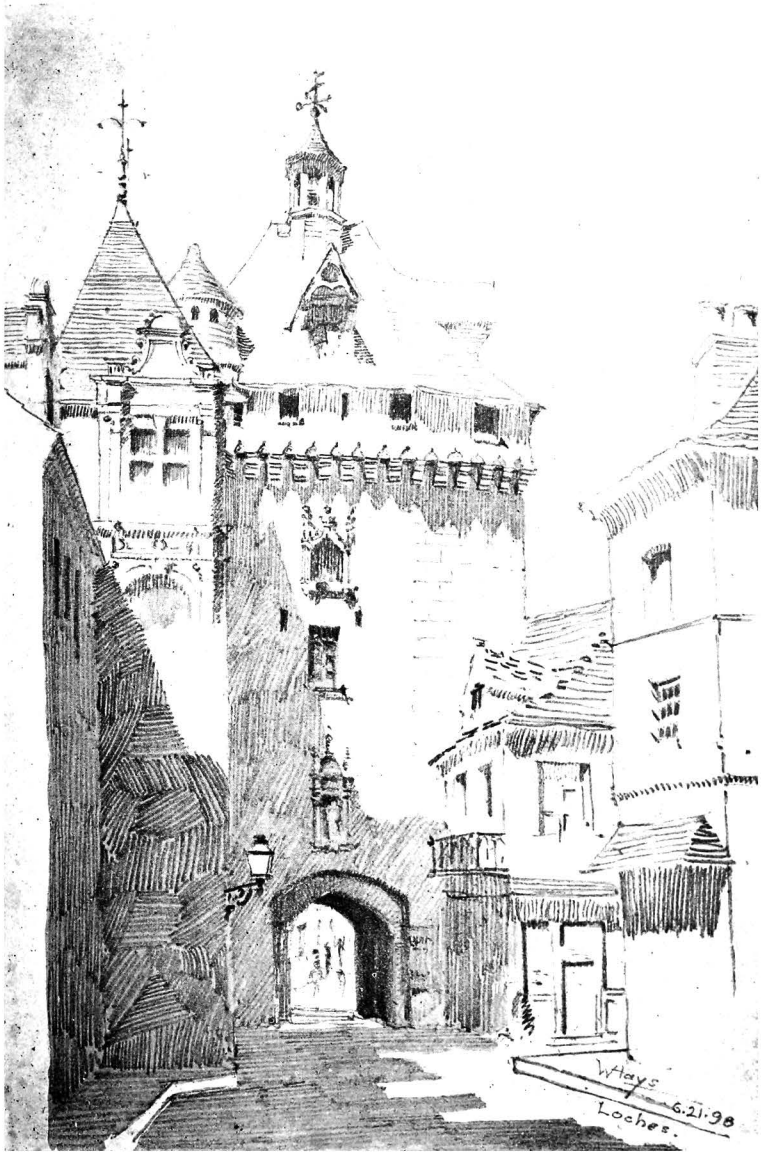
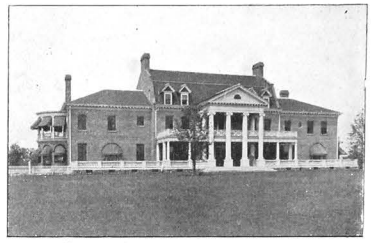



SKETCHES AT LOCHES, by W. C. Hays, Architect



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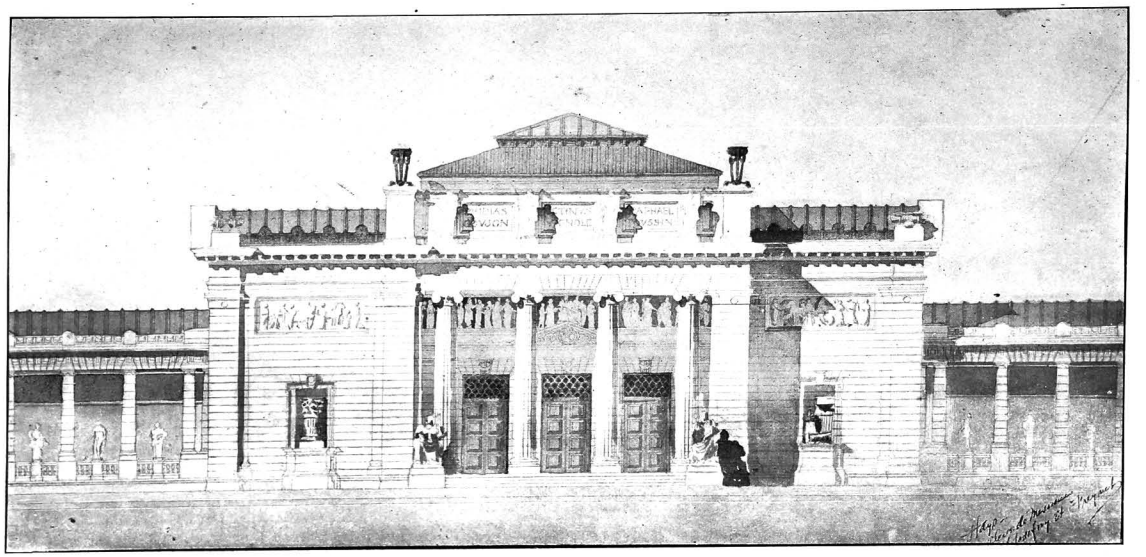

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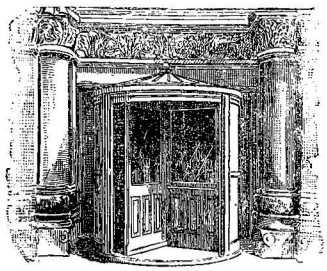

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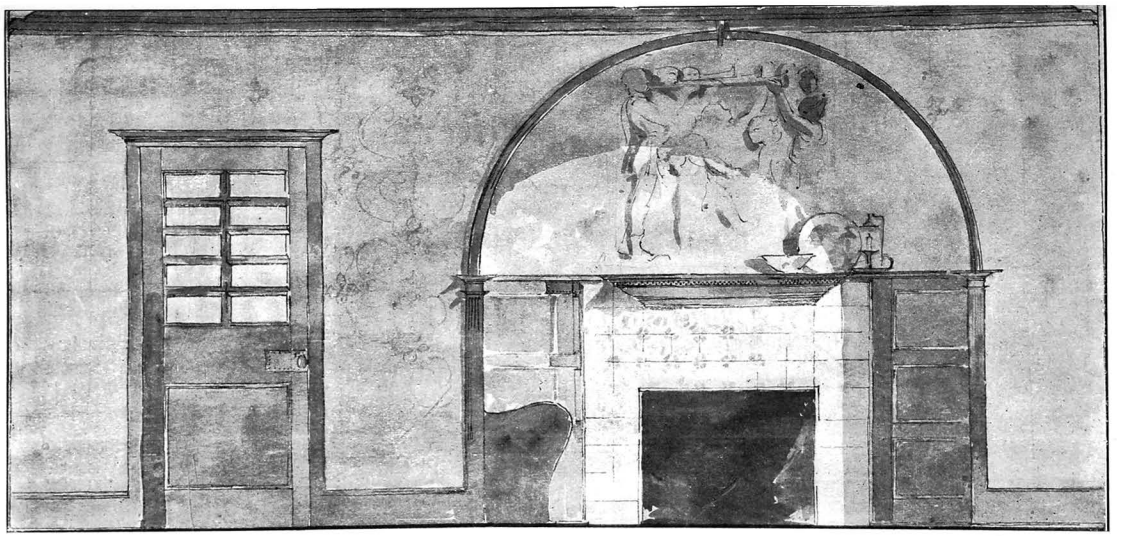

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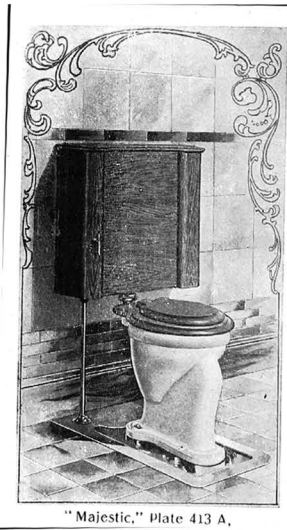

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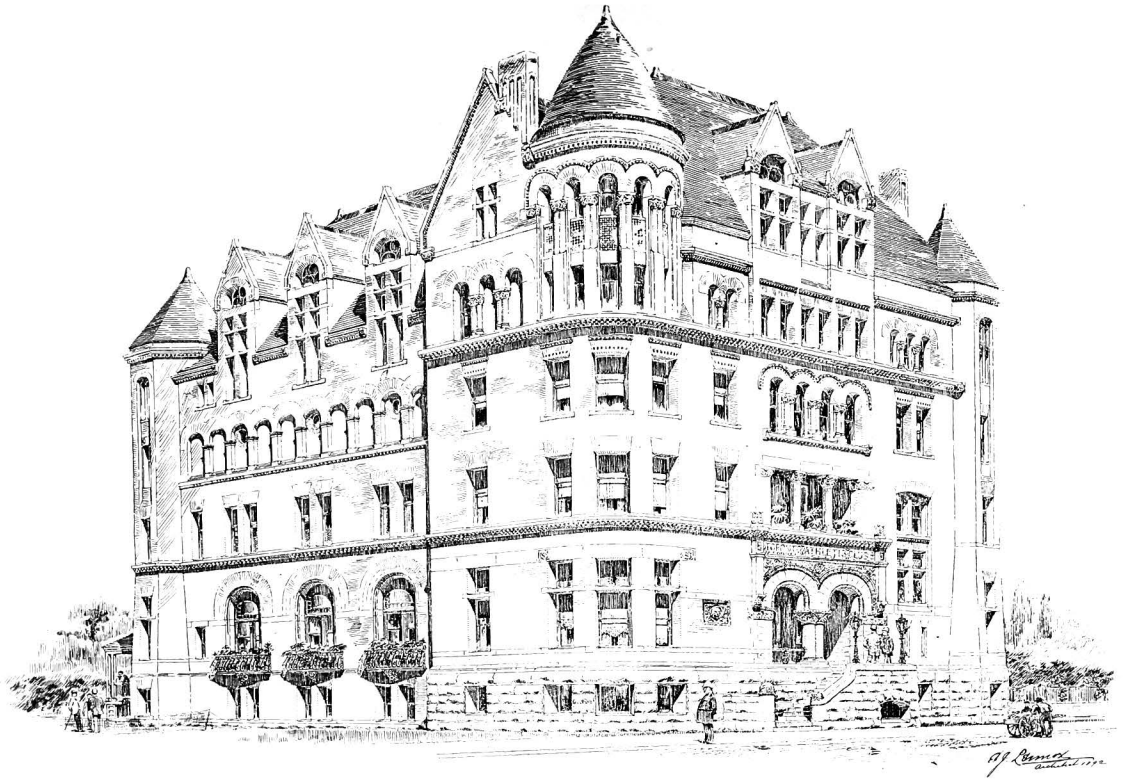

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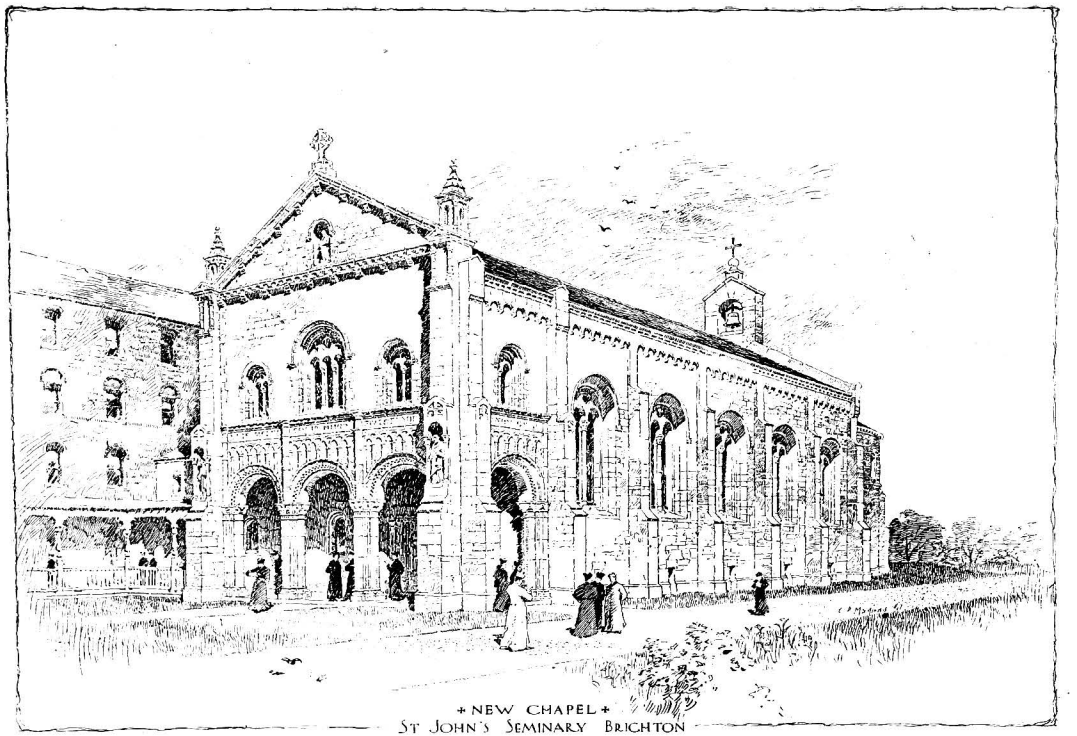

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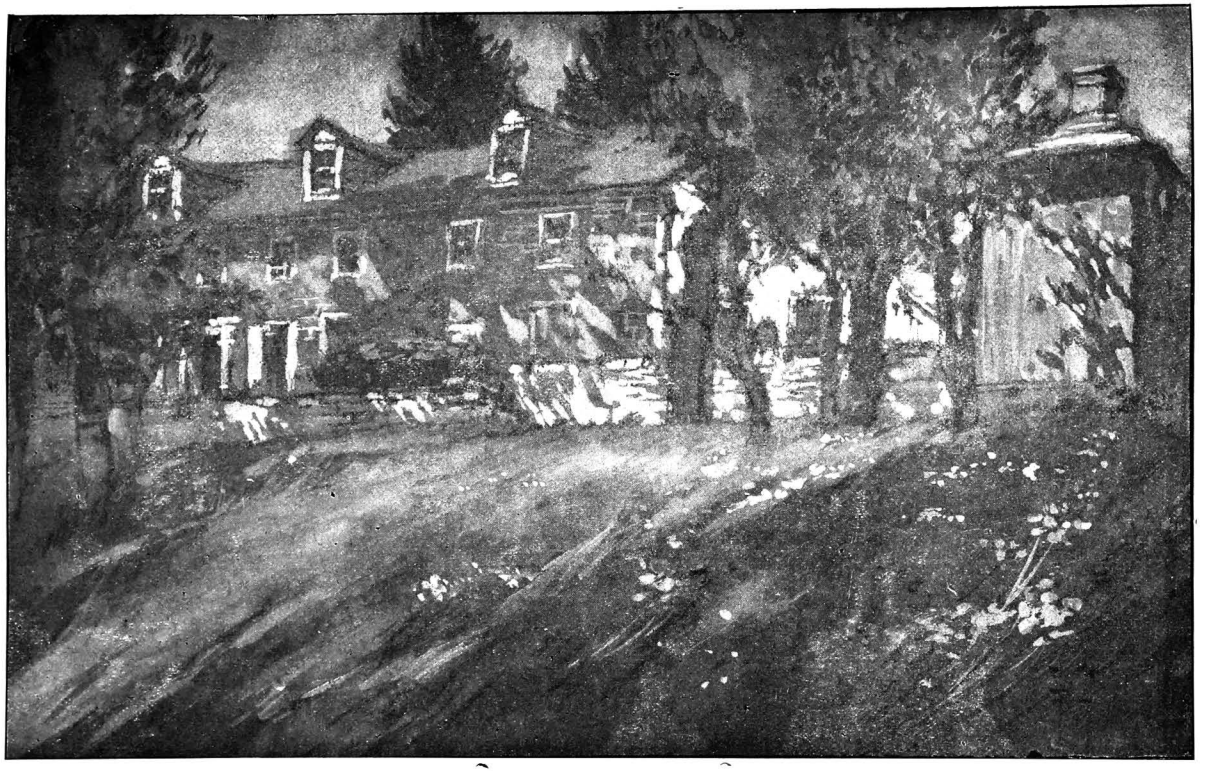

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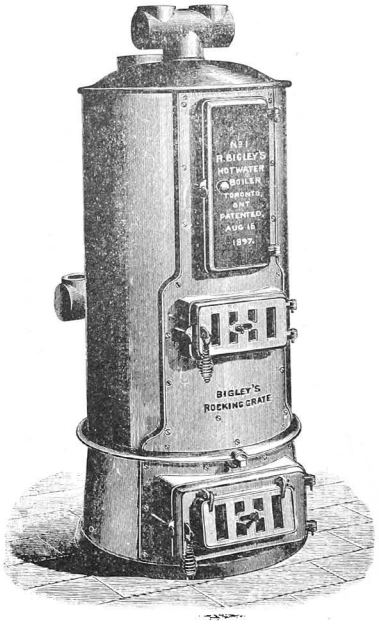


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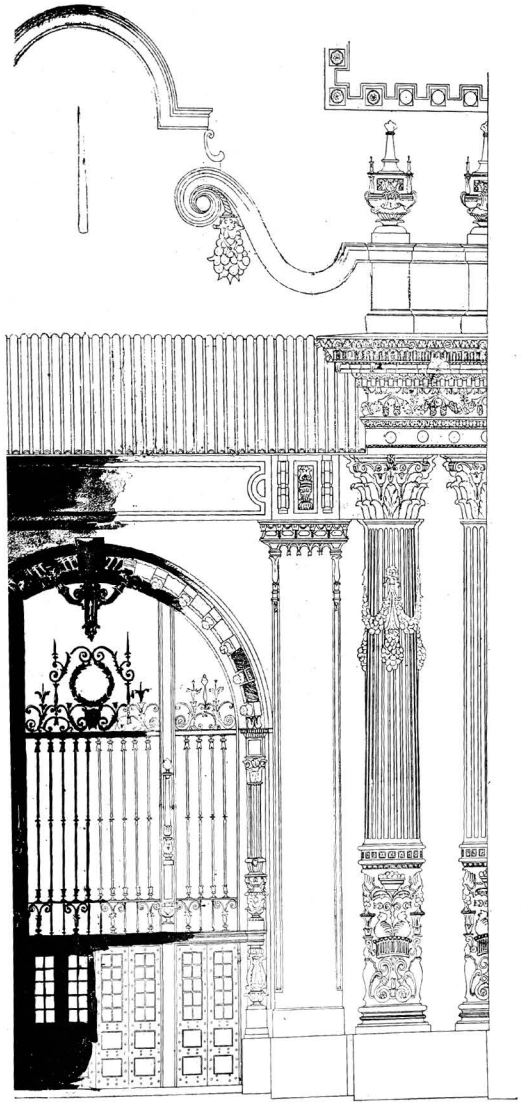

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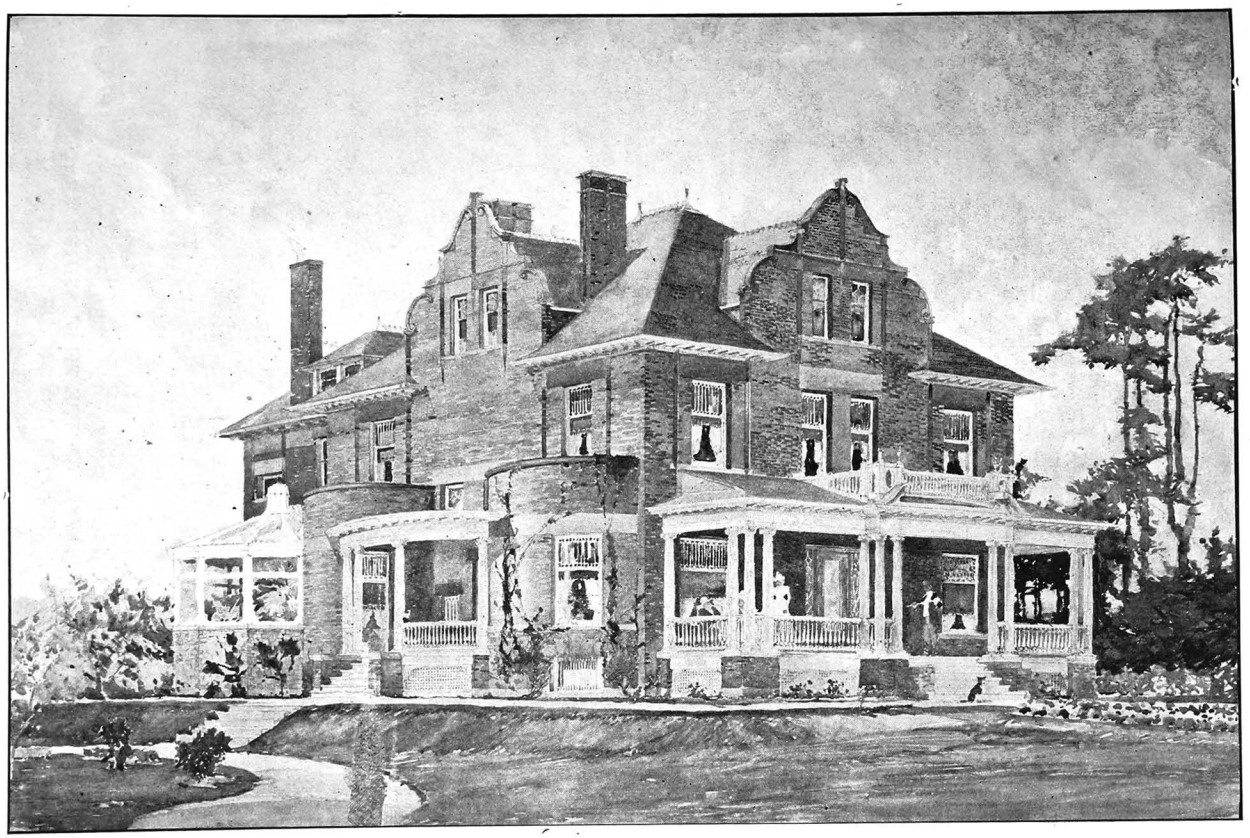

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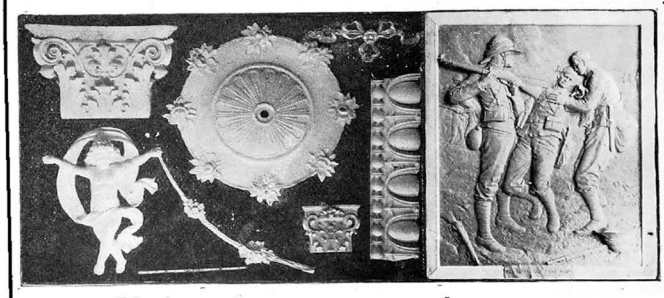

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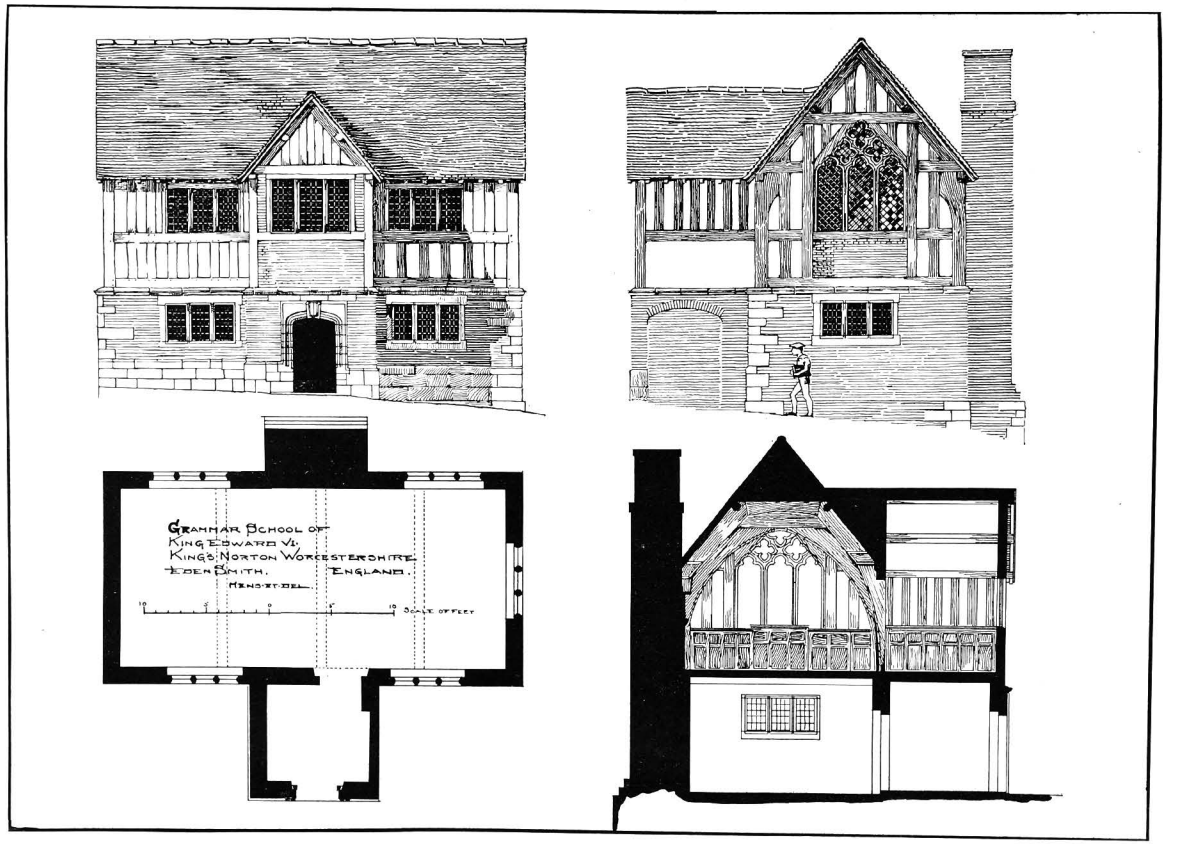


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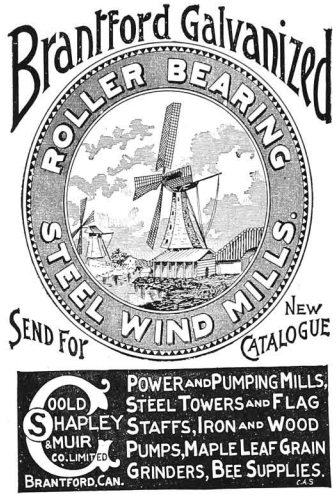


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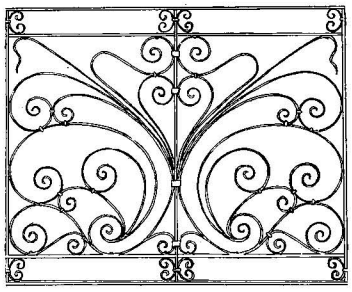

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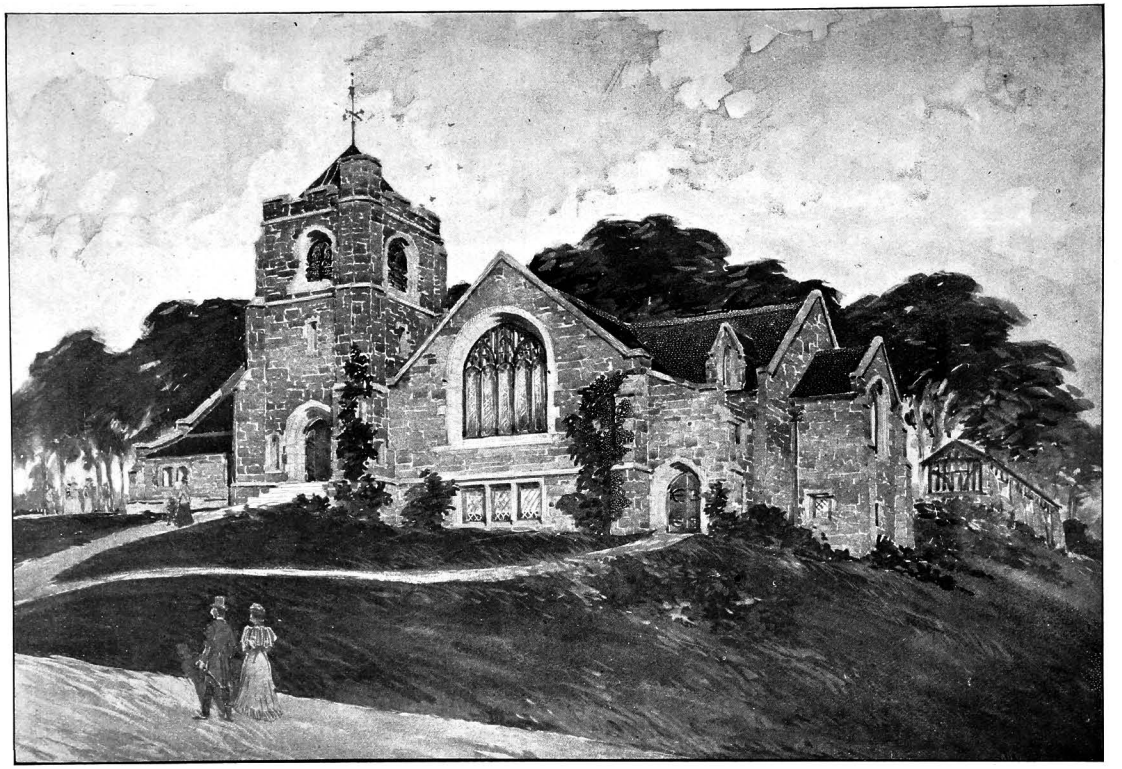

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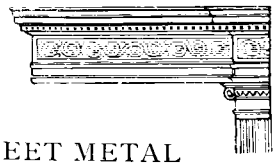

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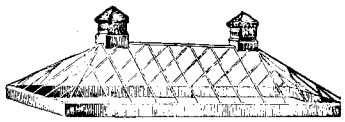

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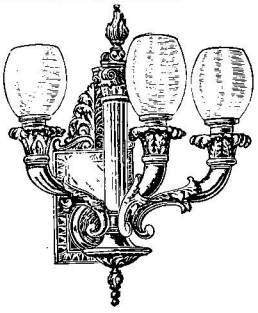

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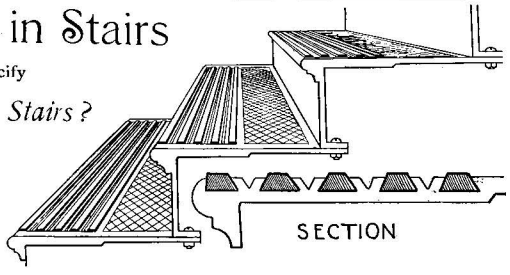

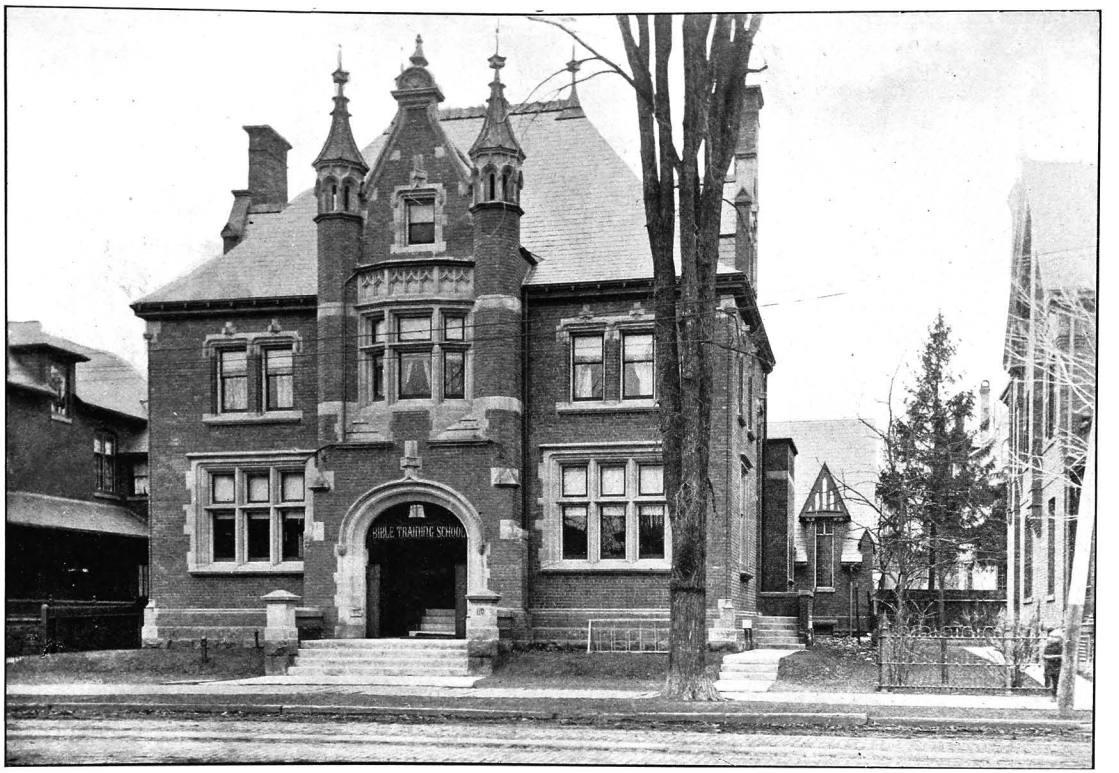


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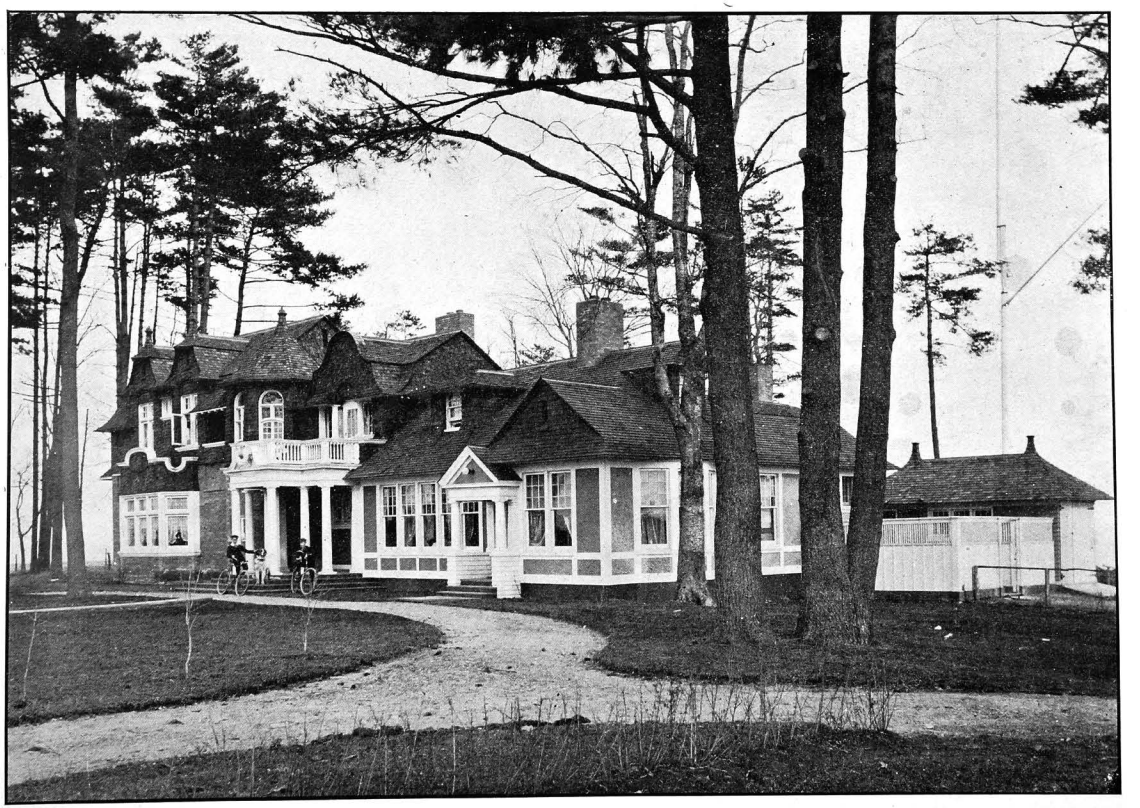

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