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The AMERICAN ARCHITECT AND BUILDING NEWS

Regular Edition

Vol. XCII.

OCTOBER 19, 1907.

No. 1660.

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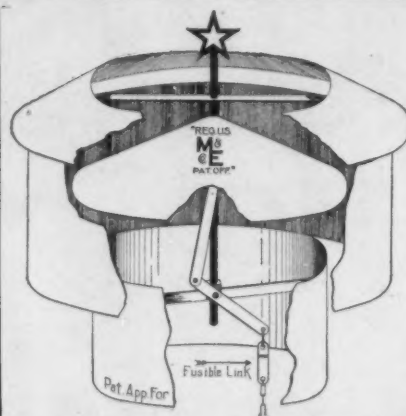
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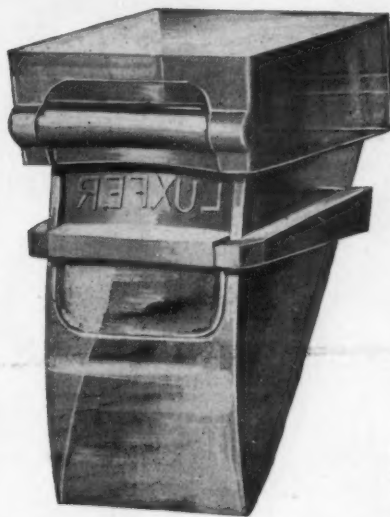
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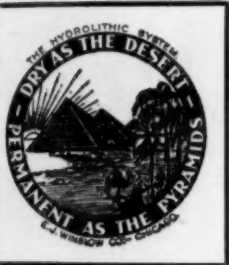
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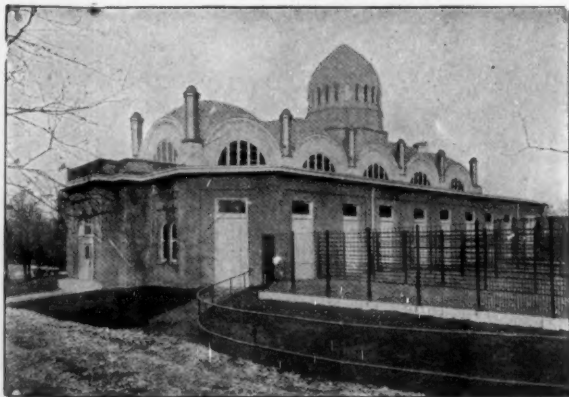
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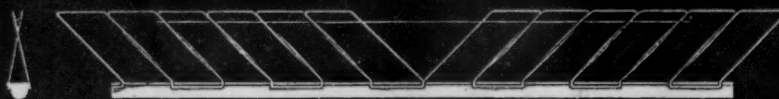
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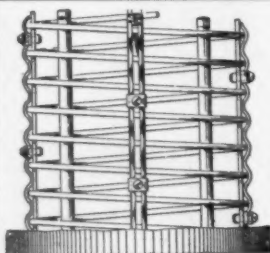
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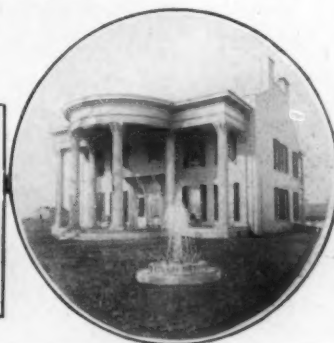
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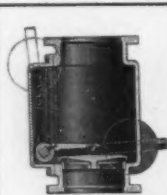
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The American Architect and Building News.

Vol. XCII.

SATURDAY, OCTOBER 19, 1907.

No. 1660.

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The Seddon Memorial Technical College Competition:
Six Plates—House of Mr. J. M. Tate, Jr., Sewickley, Pa.—House of Mr. Ayniar Embury, IId, Architect, Englewood, N. J.

THE British colonist, born and brought up in Great Britain, is often peculiarly retentive of British ideas and methods and inclined to be scornful of those of the new fellow-citizens with whom he has cast in his lot. The British "Colonial," on the other hand, does not respect an idea or a method simply because it is British. He is, indeed, more "Colonial" than Briton and he esteems and understands the needs of his country and realizes that the ways of the mother-land are not always best suited to these needs. New Zealand, a colony much given to political and economical experimentation but whose past and present conditions are in many ways analogous to our own, has recently given an interesting proof of this independence of narrowing tradition and of appreciation of the architectural development of America in recent years. The Board of Education of the Provincial District of Auckland, which controls some four hundred and fifty public schools, determined to erect a technical college in the city of Auckland as a memorial to the late premier of New Zealand, the Right Honorable Richard John Seddon. Not feeling satisfied that the best solution of the problem could be produced locally, the authorities turned for help

not to English but to American architects and sent here their architect, Mr. John Mitchell, commissioned to use the best means available for securing the needed design. Mr. Mitchell, after careful study and inquiry, drew up the programme of which a synopsis is given on another page, and asked us to conduct the competition whose interesting results are also shown in this issue. Because of the wide separation, in distance and time, of the two countries, and of the possibility of change in the complexion of the Board, it was not thought practicable to promise to engage the winner on the usual terms; but we do not doubt that the Auckland authorities and Mr. Horace Trumbauer, the winner, will be able to reach an understanding that will be mutually satisfactory.

IF the Municipal Art Society, of New York, can prevail in its most recent undertaking, it will have deserved well of its fellow-citizens. Noting that the new piers and docks of the great Chelsea Improvement area are about ready for leasing to the steamship companies for which they were intended, the Society urges on the Dock Commissioner that he allow the erection on the piers only of fireproof sheds of attractive design, each furnished with a flat or promenade roof accessible to the public, and to be used by it as a "recreation-pier," and points out that the need of recreation-piers is clearly established and that, while the city has already spent between five and ten millions on the erection of such piers, here is a chance to get many more of them practically without cost. To this appeal the Dock Commissioner replies that he cannot approve this suggestion, since the lessees, the steamship companies, will not sign leases unless they can have full and absolute control of the piers and all that is upon them. To this the Society rejoins that the steamship owners understand it is to their interest to dock on Manhattan Island and will not allow such an immaterial annoyance as a crowd of interested spectators on the roof of their sheds to stand in the way of their real interests. The Society's suggestion recalls the interesting scheme for the treatment of the river front and piers developed by Mr. A. H. Thorpe nearly twenty years ago.

IT is evidently going to be a long time before the French Government arrives at the end of its troubles over and because of the separation law, and one does not have to be an ardent churchman to feel a certain glow of satisfaction at learning that, once more, the politicians have lost where they hoped to gain. It appears, according to the confession of a certain M. Antoine Thomas, a once respectable cooper of Clermont-Ferrand, that both acknowledged and unknown dealers in antiquities, whether real or spurious, were quick to see the possibilities that the new law put within their reach, if they could but come in contact with churchmen sufficiently human in their make-up to be swayed by sentiments of revenge or cupidity. M. Thomas, who surrendered himself to justice and made his confession for the sake of

saving his mother and brother wrongfully accused of crimes committed only by himself, declares that a certain number of these dealers in antiquities had formed a syndicate and had then employed agents, himself amongst others, to bribe parish priests, sacristans and other custodians to substitute, for a consideration, copies of certain of the treasures in their charge before they were turned over to the public officials, enough time for the preparation of the copies being afforded by the lengthy process of preparing full descriptive schedules of the properties transferred. Thomas says, too, that, finding that bribery and corruption produced results only slowly, a system of simple theft and burglary was also brought into use, and he declares that the products of this system, considerable in amount, variety and value, were easily disposed of in England or the United States. The particular article whose disappearance brought M. Thomas to grief was the cope of Orth, valued at \$120,000, which had been stolen from the Church of Ambazac near Limoges.

THERE is often a sort of vulgar satisfaction when one discovers that another is as deep in the muck as he is in the mire; by analogy, then, some may feel an unacknowledged gratification on learning that other countries than this are the scene of reinforced-concrete accidents. Late in August the roof of a six-story flour-mill at Marquette-lez-Lille, in the north of France, collapsed without warning and because of defects that have not yet been determined and, of the fifteen workmen buried in the ruins of the six floors that accompanied the roof to the cellar, thirteen were killed, so the percentage of mortality was unusually high. The accident is said to have been due "*à des imprudences diverses*," and the statement proves once more the great difficulty of determining which of several possible causes actually brings about these unpleasant catastrophes which are all the more unpleasant because so mysterious. *L'Architecture et la Construction dans le Nord*, in its comment on the accident, pithily draws attention to a fact that is too often forgotten. Acrobats, says *L'Architecture*, who are skilled in their dangerous exercises, are in case of accident the only victims of their rashness, while, when it comes to carrying out *tours de force* in construction, it is not those who conceive them who risk their lives in the execution, but ignorant workmen, who do not appreciate the risks they run. It seems to us very doubtful whether engineers and architects when they are preparing to enter on some unusual or risky piece of construction give as much thought as they should to safeguarding the mechanics whose lives they are about to put at risk.

SOME day a man will appear who has a genius for converting unconsidered trifles into dollars and cents and perceive a practicable means of coining into palpable money the hundreds of thousands of dollars that Pittsburgh now discharges into the air as impalpable but all too-defiling smoke. When that happy day comes the citizens will awake to the fact that their city has, in the eye of the landscape architect, a most favored site, and they will then regret that they have allowed to go to

waste so many valuable opportunities. To convert Pittsburgh under its present far from agreeable limitations into a "city beautiful" is really a work for Titans, but the Pittsburgh Chapter, A. I. A., undismayed by this fact, has undertaken to accomplish some of the first of the many preparatory measures that must be carried out, forestalling the advent of the man of genius who shall restore sunshine and a pure atmosphere to this smoke-invested city. The Chapter has issued an appeal to the public at large and to certain public-spirited citizens in particular inviting the constitution of a fund, of unstated dimensions, which shall be used in the preparation of the necessary surveys and studies by competent authorities. The fact that the members of the Chapter pledge themselves to give to the work their own thought and time without compensation should materially facilitate the securing of the needed funds. Pittsburgh and the great industries centered there have so much individuality that we hope that the preservation and enhancements of its characteristics may be taken as the key-note of the conception that is finally to be worked out, and that the promoters will not feel that they must follow in the footsteps of Washington, Cleveland, Boston, or any other city that has undertaken to grow more beautiful. We can mistily imagine how Leonardo da Vinci, if he had reinforced concrete to work with, would handle the cliffs and river front, how he would force the great mills to take an effective architectural shape and grouping and would delight in connecting them with shapely viaducts and make the neighboring heights accessible by carriage instead of inclined railway. But Leonardo was a Titan, and it would be too much to expect that he has an equal in the Pittsburgh Chapter.

IT is interesting to find the promoters of the great Thames-Barrage scheme taking heart of grace because the Charles River dam in Boston—comparatively a small affair—is on its way to successful execution. It becomes daily more plain that if London is not to lose its shipping to Antwerp, Bremen, Hamburg and Rotterdam, steps must be taken to accommodate modern deep-draught vessels by adding to the navigable depth of the Thames—either at the bottom or at the top. The first can be done only by dredging and continuing to dredge, while the second can be secured by building the great dam at Gravesend, which will hold the water on the upstream side always at flood level. Both schemes have their advocates, but the Royal Commission seems inclined to favor the use of dredges, while the advocates of the barrage have just issued an important pamphlet in which the several phases and advantages of their scheme are advocated by competent and known authorities. At first sight it would seem as if here were a matter in which architects could have no very direct concern. But the advocates of dredging, and of course their opponents, are giving much study to the great probability there is that the deepening and widening of the river bed will seriously imperil many buildings along the river front and may possibly cause, under pressure of heaving buildings inshore, a considerable slip of the upper soil over the clay underbody.

The "Samaritaine" Department-Store, Paris

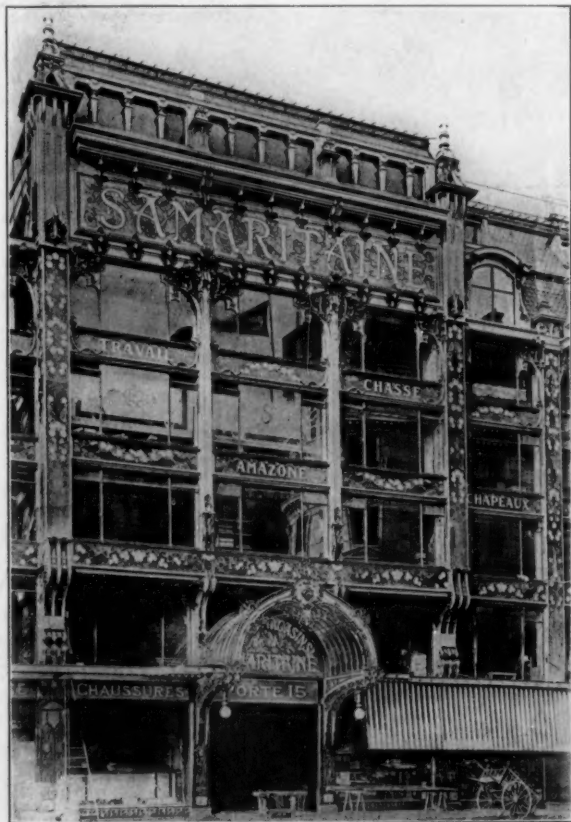
HERE is one building in Paris that reminds us strongly of America—in its hustle, not in its architecture. It is "the Samaritaine," which is putting up just now additions several times as large as the original building; and not only that, but each new floor and each new section the moment it becomes habitable is turned over to business. It is quite surprising to find in Paris things taking such a turn as this, for usually building operations are a process of years. When I said that it was not American in its architecture I said so advisedly, for a like radicalness of treatment would hardly be dared here, yet it is well in keeping with the business principles of the house. The exterior is entirely in iron and bronze and enamelled lava, a combination at once clean, non-inflammable and lending itself to the freest interpretation of the programme.

The new buildings are on the block just northwest of the Pont Neuf, bounded by the Rue de la Monnaie, Rue des Prêtres, Saint-Germain-l'Auxerrois, la Place de l'École, Rue de l'Arbre-Sec and the Rue Baillet. The architect is M. Frantz Jourdain, of Paris. The buildings are seven stories high, extremely light throughout, for, as the walls and supports are studied so as to be reduced to a minimum, the maximum

steel work, which is of a light gray-blue, the color of the "Samaritaine" ever since its beginning. The panels of the ground floor are of a very hard wood, "Vicado," sculptured in free forms by Janselme, and resting on bases of grès by Bigot. The wooden panels are filled in with plates of hammered and repoussée copper and gold mosaics, all by Schenck.

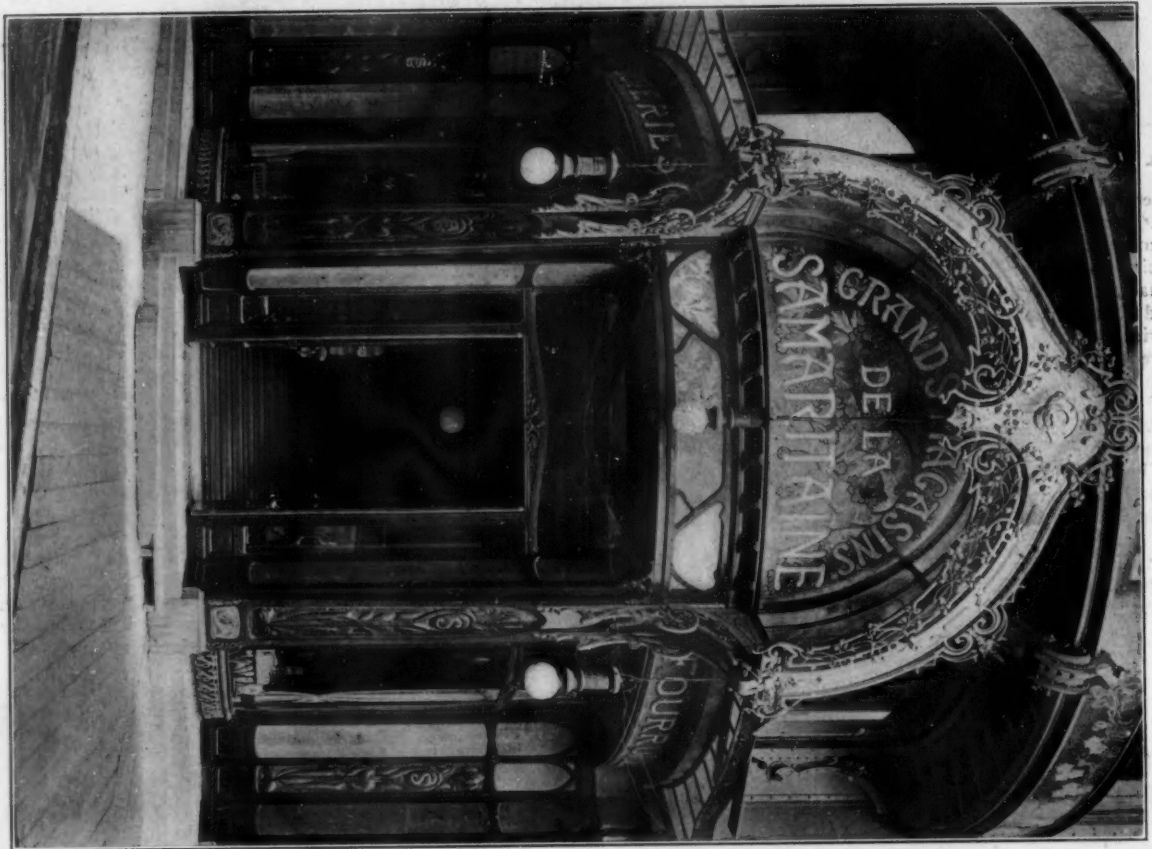
The whole façade is full of variety, in form and in color. A special feature is the tower, which can be seen from a considerable distance, especially at night when the glass bricks of its roof are illuminated from within. Here again we see structural iron used most playfully, even capriciously, yet with a reasonableness and charm of form which excuses many of its eccentricities. A bazaar-like character is given to one of the façades by an enormous bow-window running the whole height of the building, and marking where the great hall is going to come—a hall which is going to run the whole depth of the building.

A few of the features of the installation of the building may be interesting for comparison. The old building and the new are connected by subways under the street, the city retaining the right to take back this privilege at any time on three months' notice. The ventilation is cared for by the open

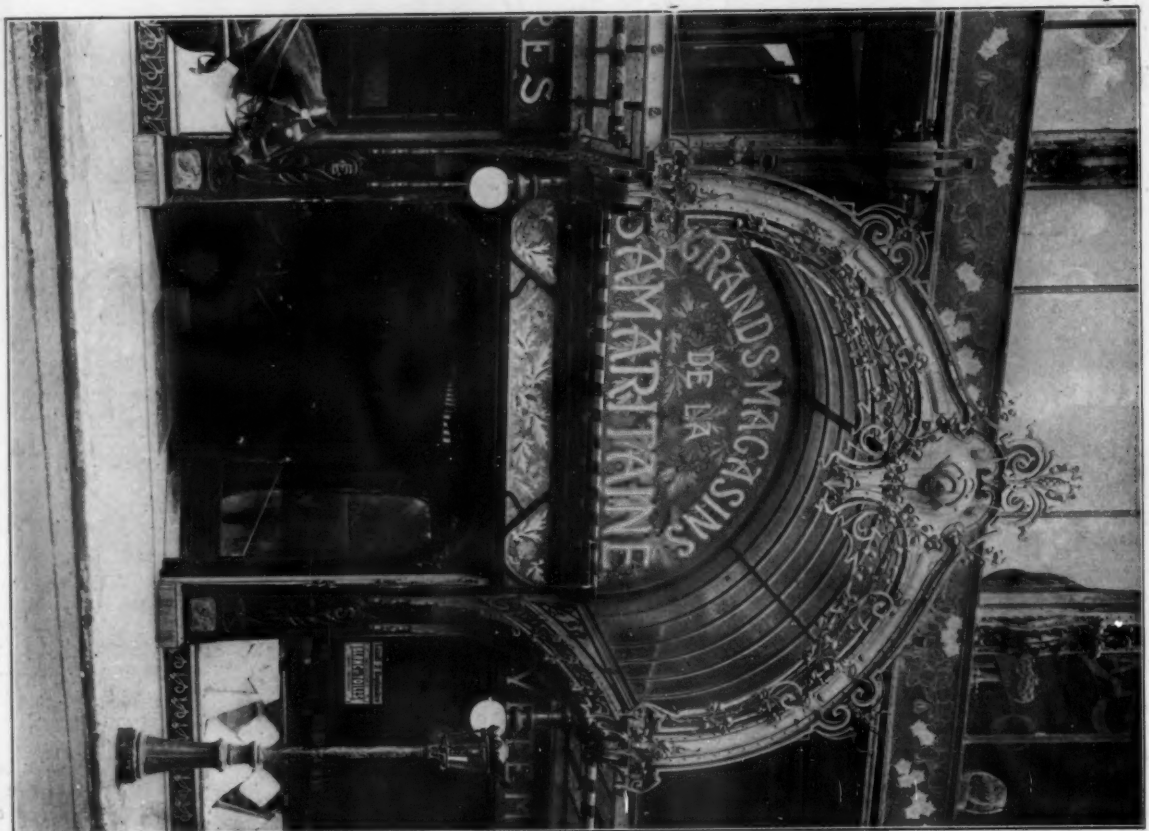


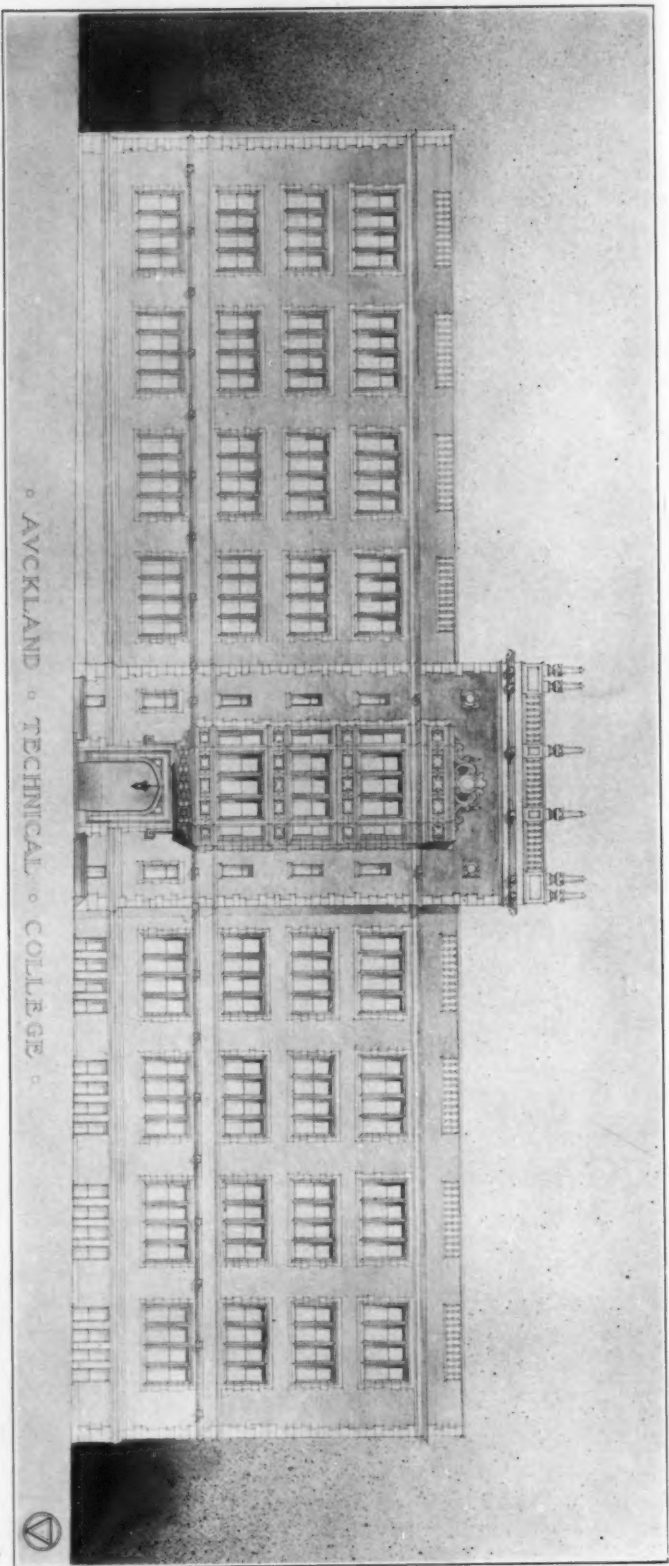
of space is left for the glass. The stiffness usual in a treatment all in iron is relieved, as we see in the photographs, by the use of ornaments in wrought iron and copper. Especially in the marquises and in the springing and the tops of the piers are they employed to good advantage—often in an exuberance of free design, quite in character both with the material and with the store itself. Then the question comes how to treat the webs, horizontal and vertical. This has been solved here in a most novel way by the use of colored enamelled lava—a most practical material, as it is impervious to weather and is not affected by dust or by smoke. These lava facings are painted a dull orange, with letters and floral patterns in white and green and red, all to harmonize with the

spaces in the columns. The floors are of an agglomerated pulverized wood, prepared after what is known as the Dolomont system. It is quite practical, as it is non-slipping, without joints, easily washable and quite hygienic. There are twelve elevators in the building, arranged in groups of two and scattered so as to be easily accessible from all parts of the store. Special study has been given to the details of the different services, to make every part operate with the least friction. For example, a conveyor-belt collects bundles from every part of the store and conveys them to the basement, where they are sorted for delivery; the awnings on all the floors are raised and lowered entirely by electricity, and the heavy iron shutters in front of the show-windows are

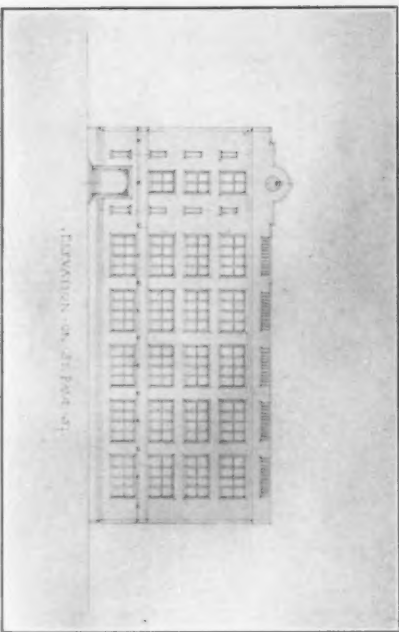


ENTRANCES: GRANDS MAGASINS DE LA SAMARITAINE, PARIS, FRANCE.

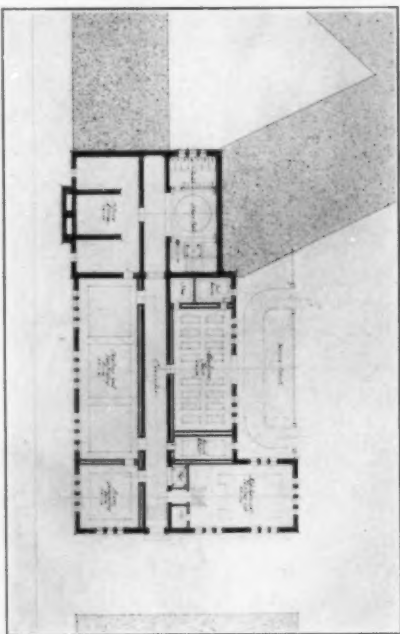




• AUCKLAND • TECHNICAL • COLLEGE •



ELEVATION OF SEDDON ST.



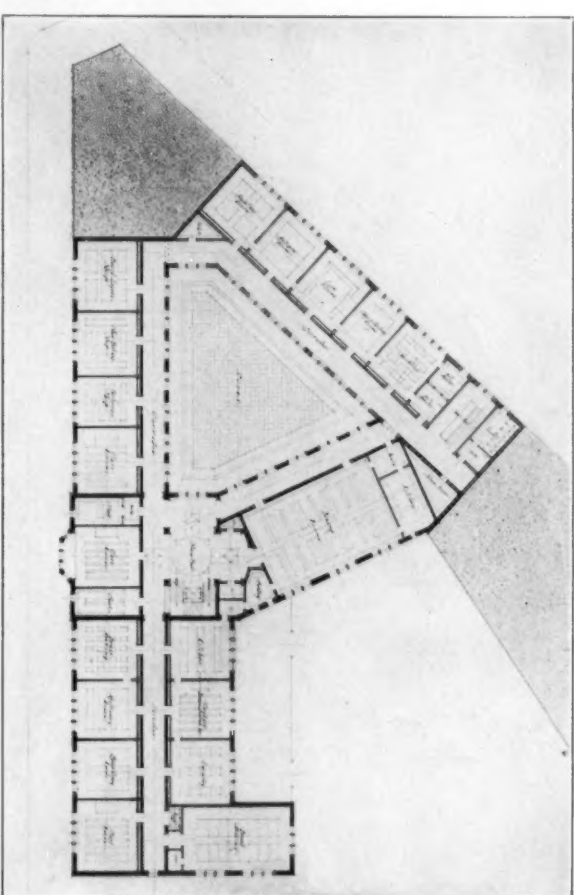
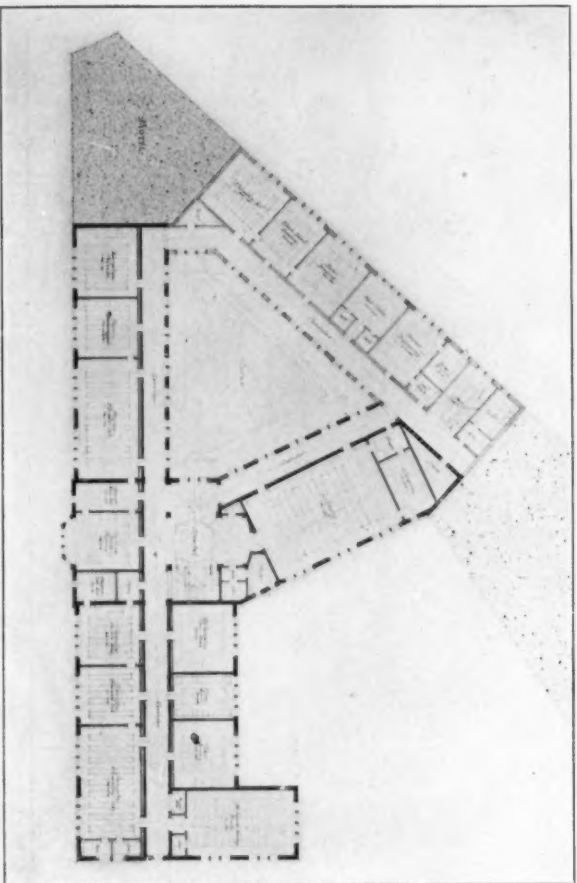
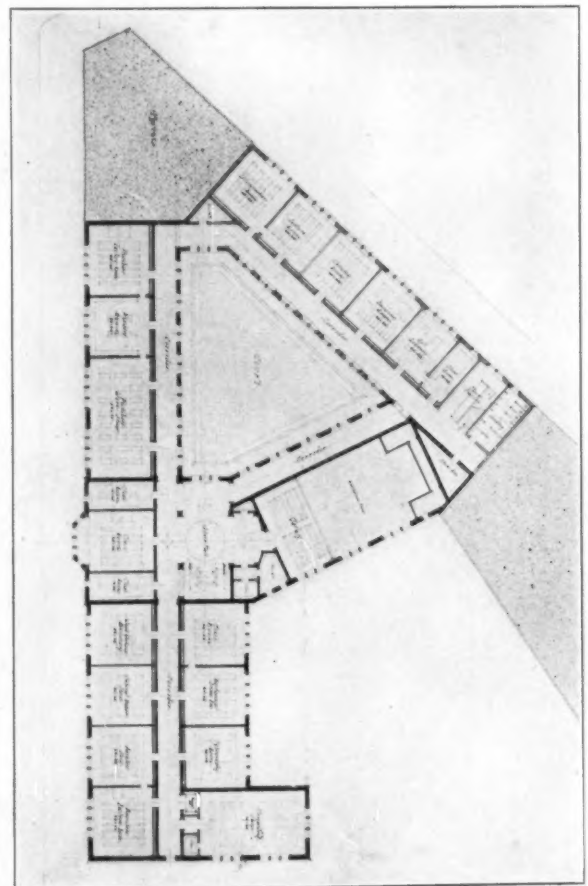
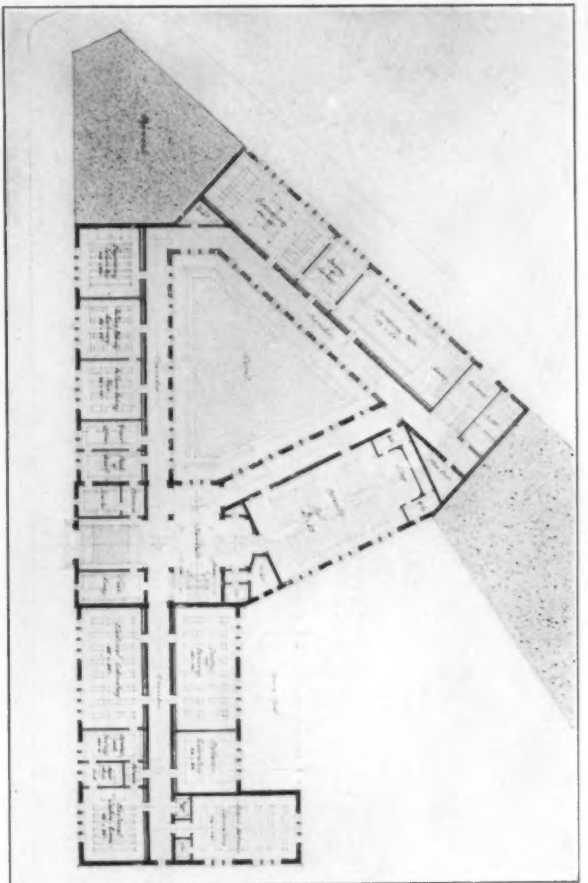
SEDDON MEMORIAL TECHNICAL COLLEGE COMPETITION: FIRST PRIZE DESIGN.

Horace Trumbauer, Architect.

The American Architect and Building News.
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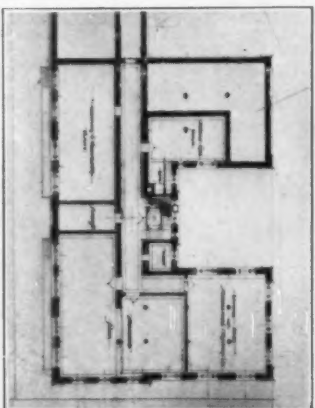
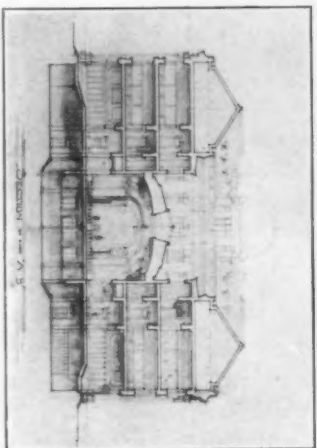
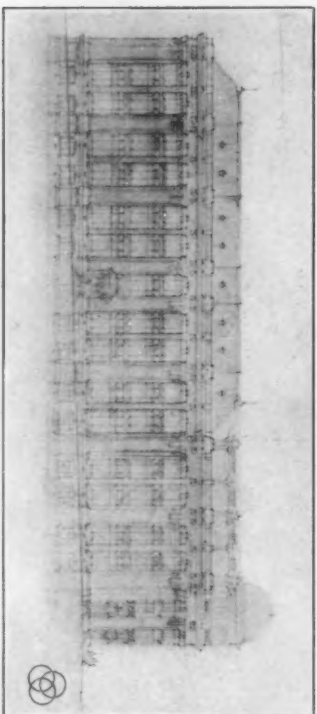
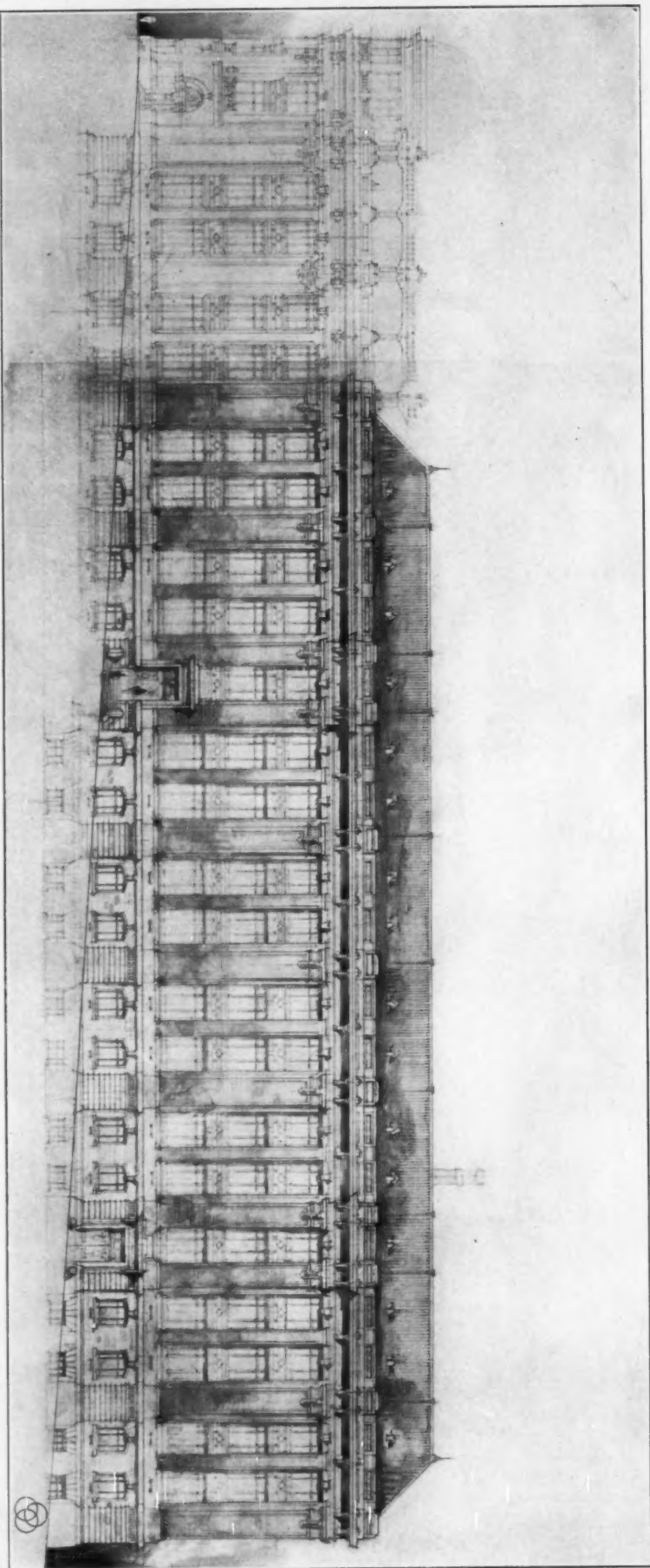
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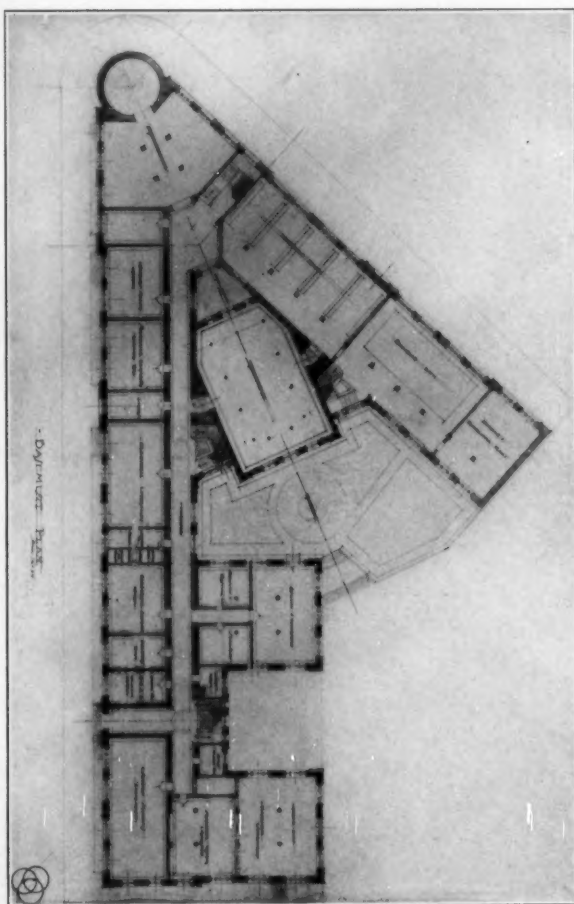
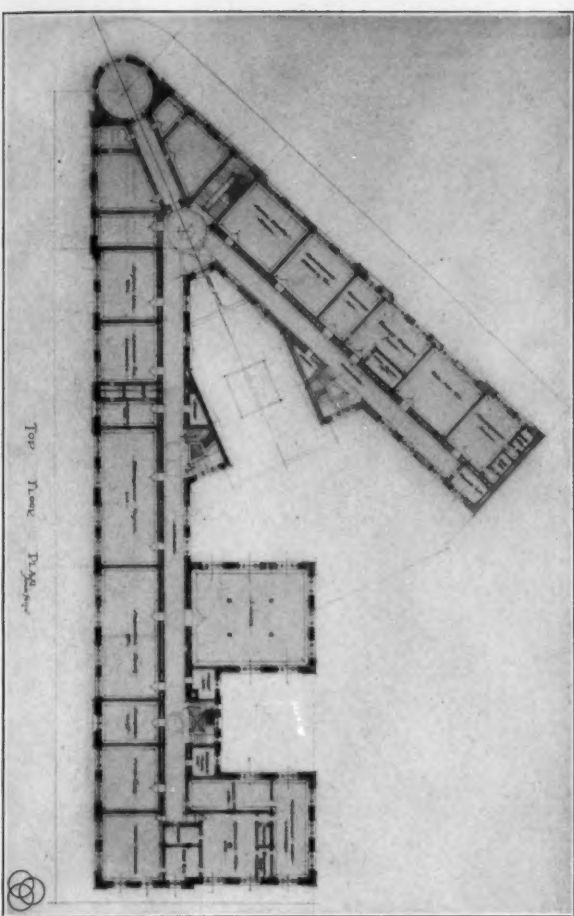
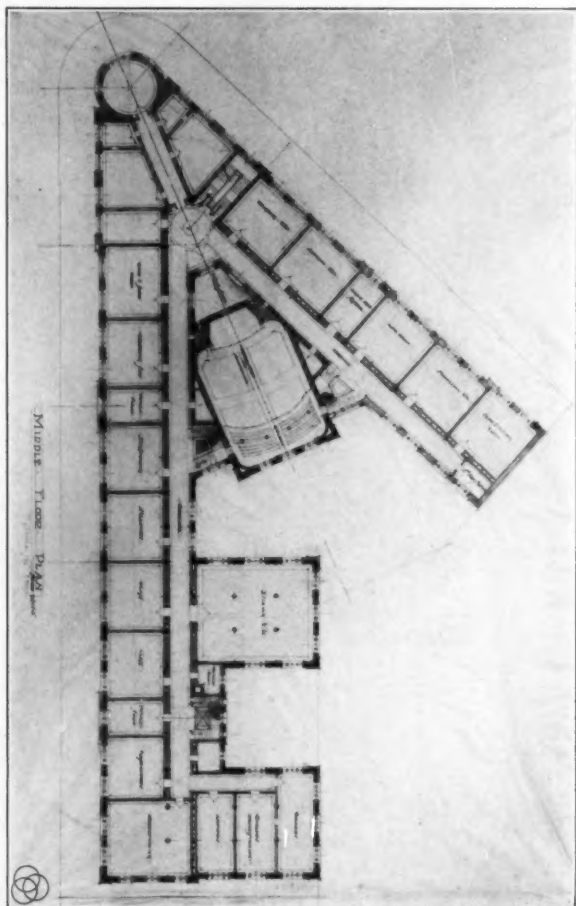
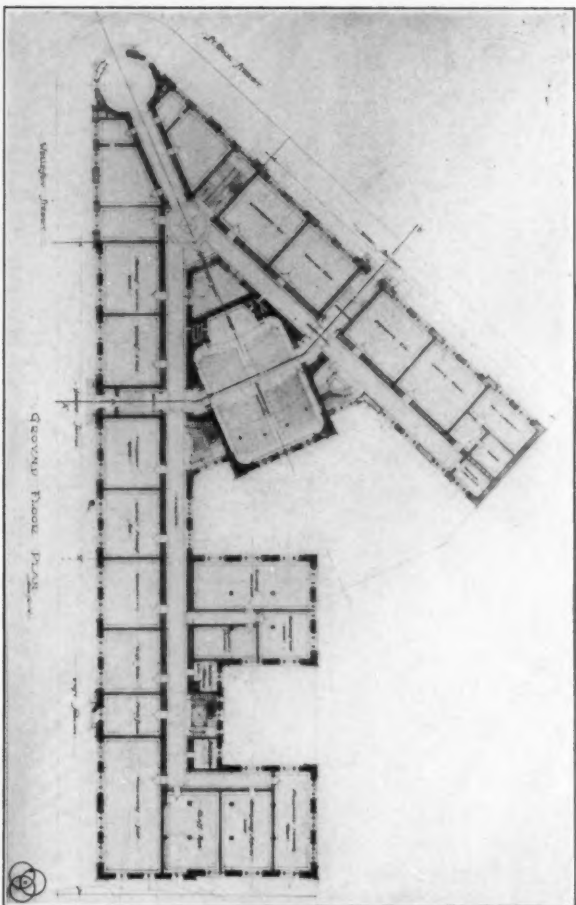
SEDDON MEMORIAL TECHNICAL COLLEGE COMPETITION: SECOND PRIZE DESIGN.

E. M. Smith and W. E. Groben, Architects.

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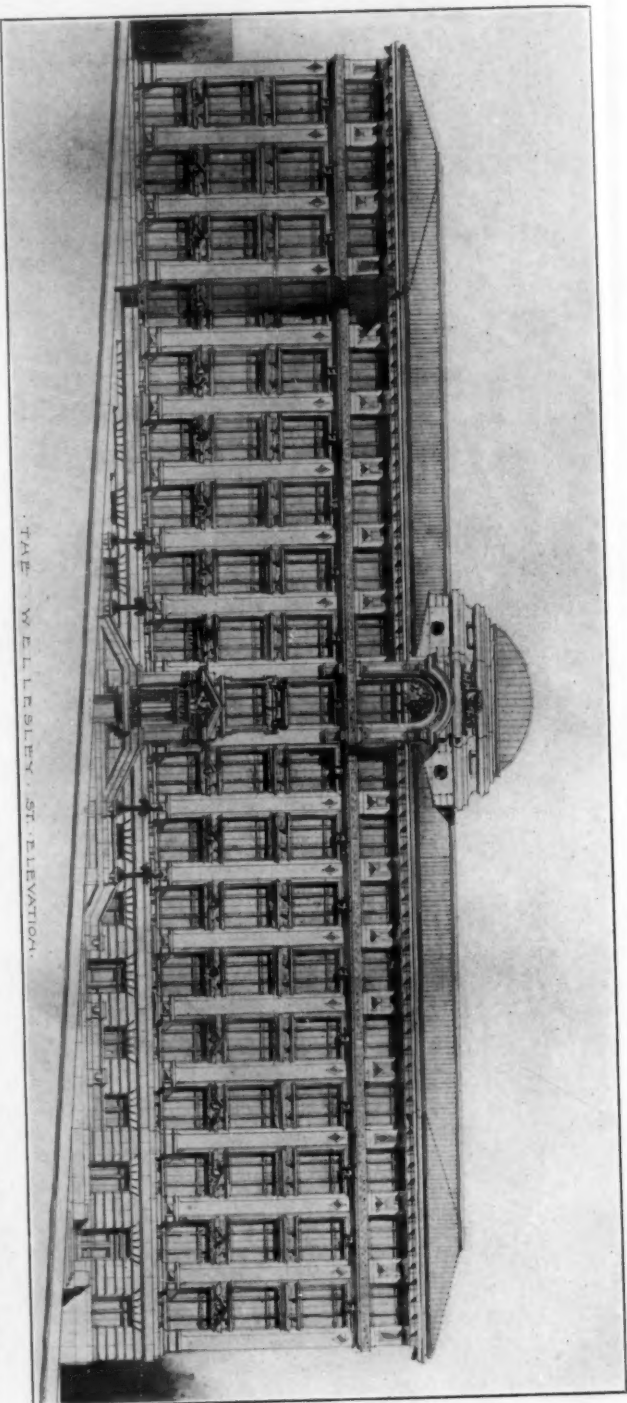
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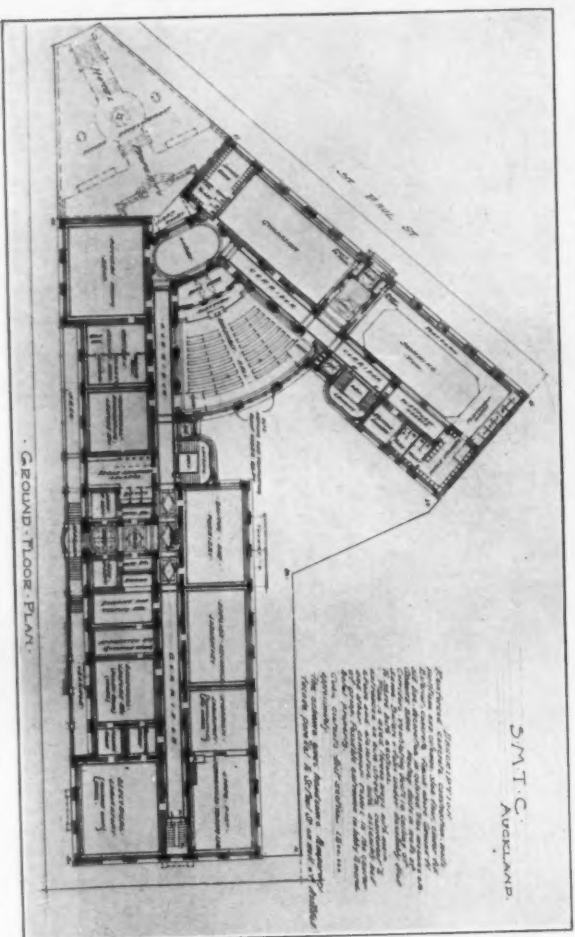
SEDDON MEMORIAL TECHNICAL COLLEGE COMPETITION: SECOND PRIZE DESIGN.

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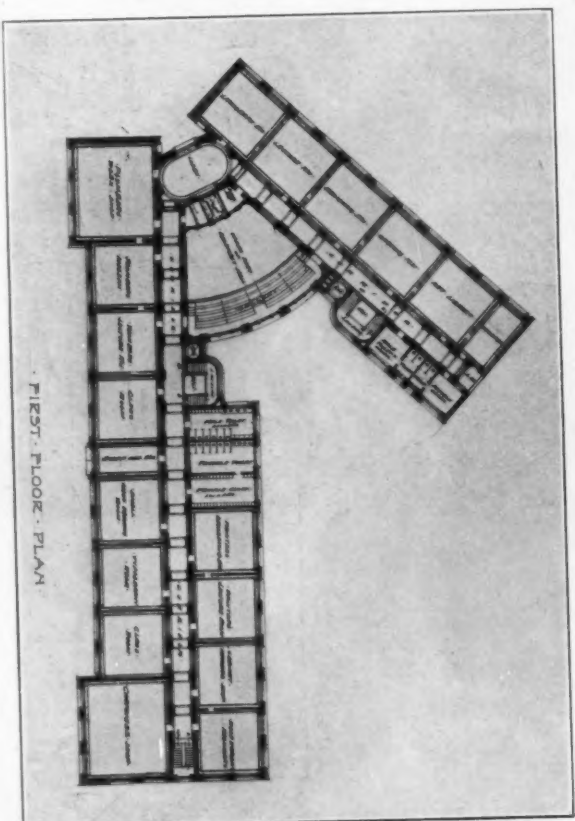
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THE WELLESLEY ST. ELEVATION.



GROUND FLOOR PLAN.



FIRST FLOOR PLAN

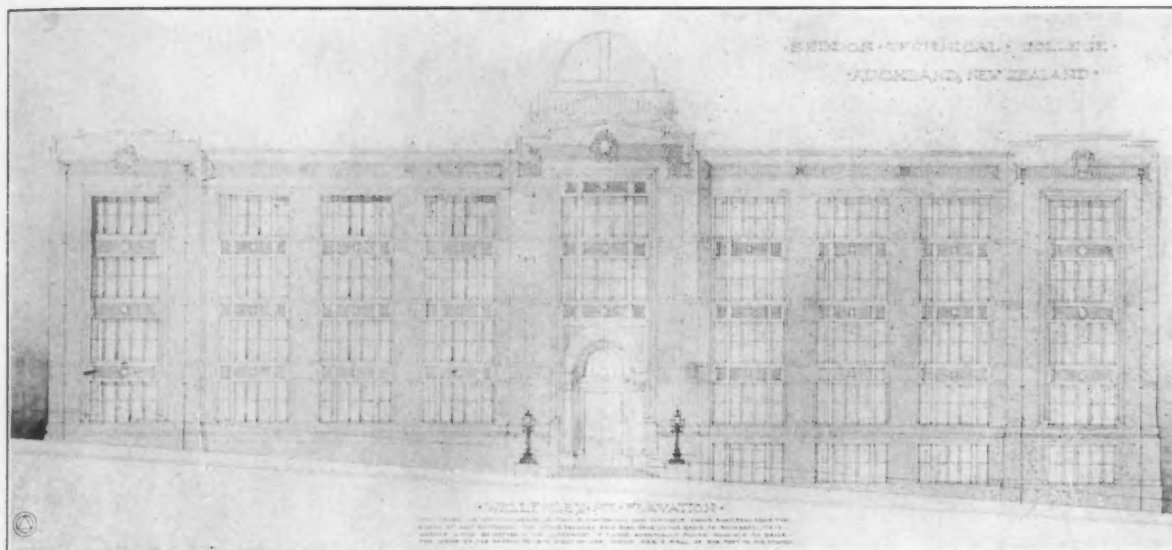
SEDDON MEMORIAL TECHNICAL COLLEGE COMPETITION: HONORABLE MENTION.

A. Ten Eyck Brown, Architect.

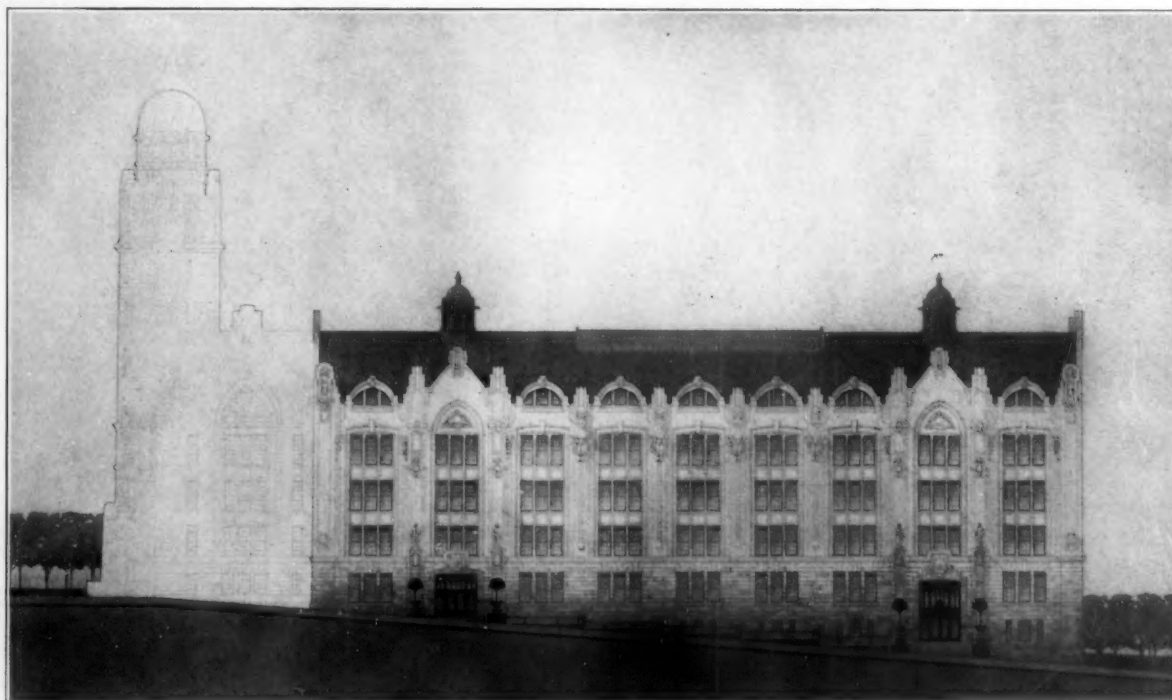
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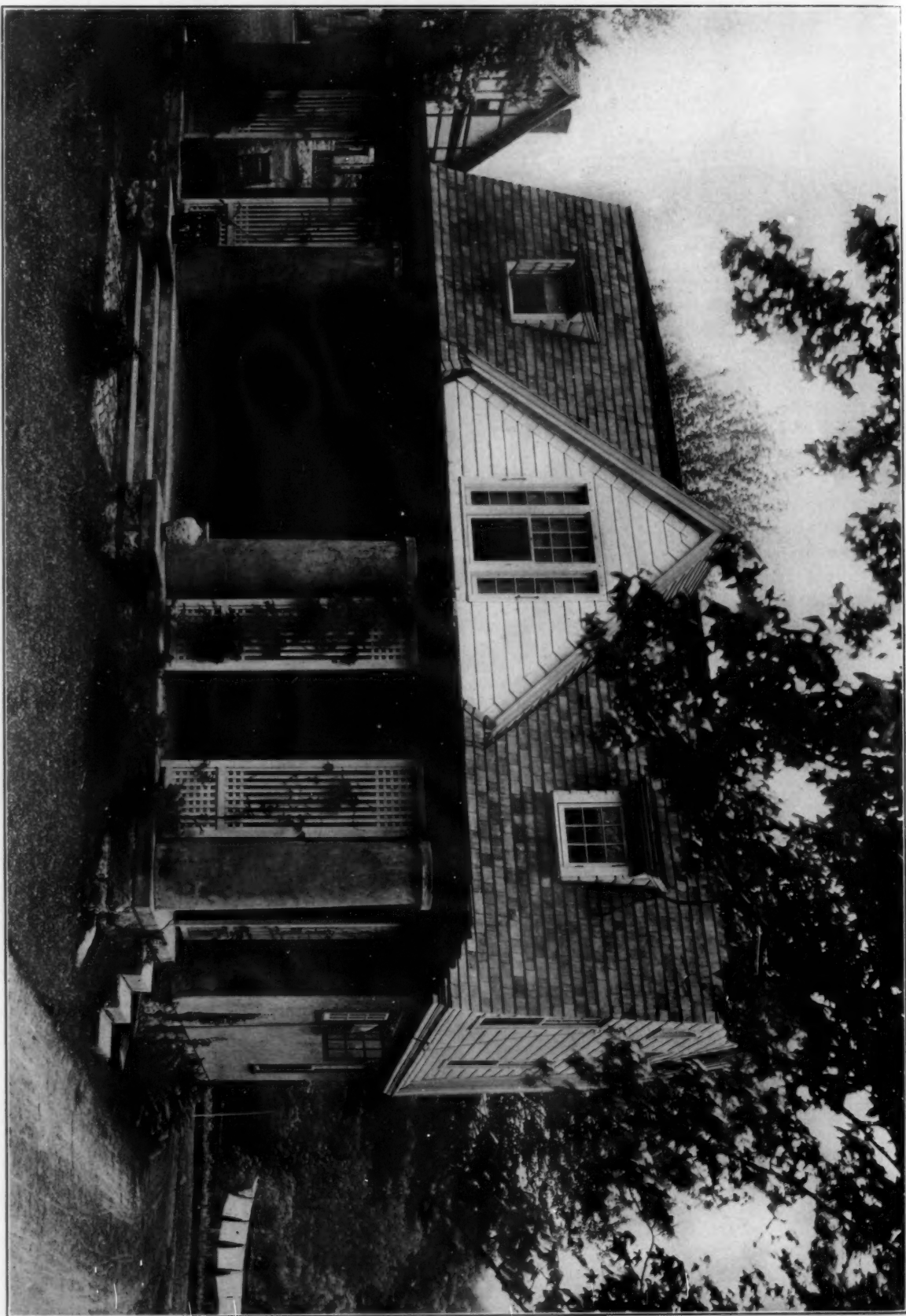
LOUIS C. HICKMAN, ARCHITECT.



H. C. PITTMAN AND HENRY H. BRAUN, ARCHITECTS.

SEDDON MEMORIAL TECHNICAL COLLEGE COMPETITION: DESIGNS FOR WELLESLEY ST. FAÇADE.

REFERRED TO IN REPORT OF JURY.



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COTTAGE OF AVMAR EMBURY, III, ARCHITECT, ENGLEWOOD, N. J.

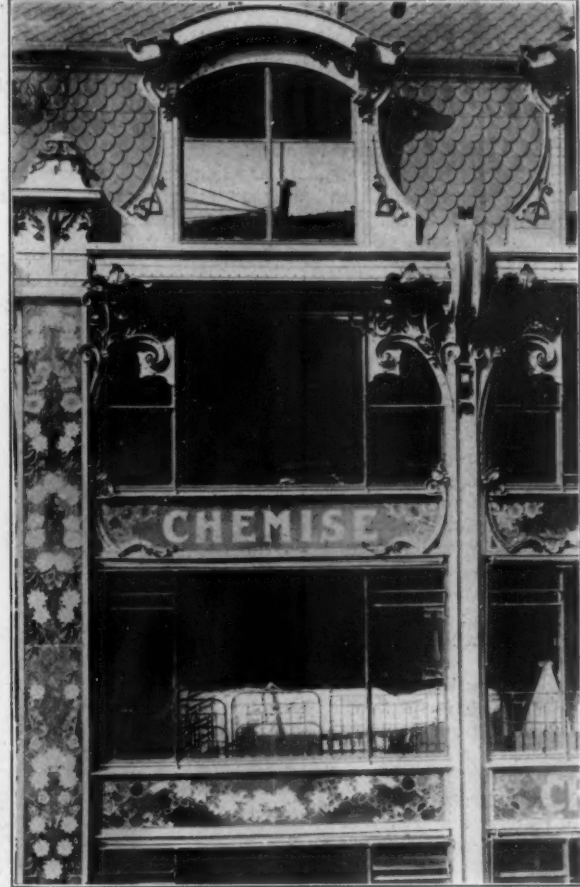
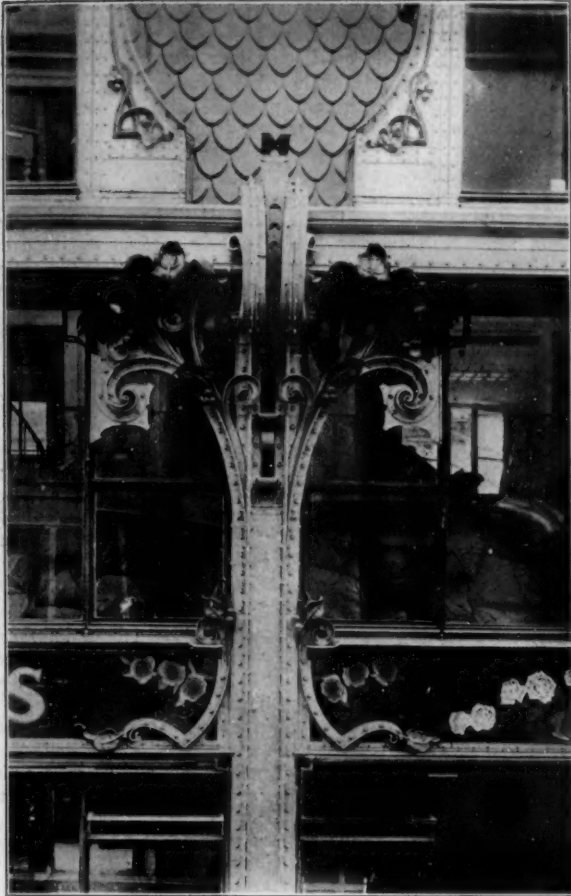
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COTTAGE OF J. M. TATE, JR., PINE STREET, SEWICKLEY, PA.

Rutan & Russell, Architects.



manipulated by machinery. It is interesting to note in passing that the ironwork in the building, all by Schwartz and Meurer, cost \$1,200,000.

In many of our cities, with the building laws relative to

exposed steel as they are now, it would be impossible to do anything like this. Still, it is full of suggestion as to new treatments of well-known materials and new combinations of materials.

G. B. FORD.

The Seddon Memorial Technical College Competition

THE Competition for the Seddon Memorial Technical College, Auckland, New Zealand, was instituted by Mr. John Mitchell, architect, representing the Auckland Education Board, who came to America for the express purpose of finding the best possible solution of this problem in planning and designing. As direct communication between this country and Auckland is, roughly speaking, at intervals of a month, and as Mr. Mitchell felt it necessary to leave here in August and particularly wished that the drawings should be consigned the following month, the time necessary for producing them was very short.

The terms and requirements mentioned in the programme are, in brief, as follows:

The competition is confined to the architects of the United States and Canada.

All the designs shall be adjudicated upon by three judges, one to be the editor of the AMERICAN ARCHITECT, *ex-officio*, and the other two judges shall be chosen by the competitors from architects or professors of architecture practicing or residing in New York. Each competitor shall have the right to nominate, and to vote for two judges. The judges thus appointed shall award the prizes, and their award shall be final and binding upon all parties.

The first prize shall be \$500; the second \$200.

It is also to be understood and agreed that any design considered by the judges to be of sufficient merit may be forwarded to the Education Board at Auckland, and the Board may retain and use any of such upon a payment of \$150 for each design so retained.

The money for the first and second prizes has been lodged in trust with the proprietors of the AMERICAN ARCHITECT, who are

duly empowered to pay the same over to the successful competitors immediately after the award shall be made.

These premiated designs shall then become the property of the Auckland Education Board.

All other designs shall be returned to the respective competitors free of cost to the owners.

* * * * *

The awards would be made, *first*, with regard to convenience and suitability of floor arrangements; *second*, excellence in artistic quality; and *third*, economy in the construction.

* * * * *

The design must include a plan of each floor at a scale of 1-16 inch to 1 foot; an elevation of the St. Paul street front, at 1-16 inch scale, and an elevation of the principal or Wellesley street front at 1-8 inch scale.

Any section that the competitor may think necessary to disclose fully the main features of his design.

Each design must be accompanied by a brief typewritten description of the building, the materials and methods of construction, cubic contents and approximate estimate, taking (say) 20 cents per cubic foot as a basis, and as though the conditions were American or Canadian instead of New Zealand.

Designs shall be mounted on stretchers, or stiff cardboard, say 30 by 24 inches, none under glass; all drawings shall be rendered in pencil or pen or a combination of both. No color must be used except on the principal (Wellesley street) elevation. Lettering to be quite plain, dimensions figured on each room.

Each sheet may bear initials S. M. T. C., Auckland, and shall carry also some distinguishing *nom de plume*.

Drawings shall be delivered on or before the 26th day of August at the offices of the AMERICAN ARCHITECT, Flatiron Building, New York. Each shall be accompanied by a card bearing

the name and address and *nom de plume* of the competitor sealed in a plain envelope and addressed to the editor of the AMERICAN ARCHITECT.

Competitors were supplied with a plan of the site and a tentative plan of the various floors, which disclosed the amount of space to be allotted to the various departments, but which was not intended to be closely followed.

Only that part of the building fronting on Wellesley street is soon to be constructed, and competitors were warned that the corner property is not likely to be available for many years, and therefore cannot be taken into serious consideration.

It was particularly suggested that a building be designed which may be constructed with reinforced concrete.

Although no promise could be made that the winner of the first prize should be employed to provide specifications and working drawings, it was intimated that the Board would, if practicable, obtain these things from the winner upon the usual commission and terms prevailing in America.

REPORT OF JURY.

Twelve designs were submitted, according to the requirements of the programme, for the competition for the Seddon Memorial College, on August 26, 1907, and the drawings and memoir and envelope of each were marked with a distinguishing letter, by which they will be herein designated.

Upon a preliminary examination all were found to conform to the terms of the competition. About one-half followed closely the arrangement of the printed diagram; the remainder departing more or less widely in detail from its suggested arrangements. Of these four placed the auditorium in the angle between sections 2 and 3, where it would be central to both wings. About two-thirds of the designs recognized clearly the division into three sections; others ignored it or only recognized it in part.

Proceeding by elimination the jury soon narrowed down their selection to three or four designs. Upon a more careful scrutiny it became clear that the design lettered "I" (having for its device a double red triangle in a double black circle) stood far ahead of all the rest in excellence of arrangement—the first requisite; stood high in artistic quality, and although showing large cubic contents, the excess was not so great over others of less merit in planning and design, as to deprive it of the claim to the first place. The jury accordingly awarded it the first prize of \$500, and unhesitatingly recommend it for adoption, for the following reasons:

(1) The plan is not only most original, but strikingly simple and practical. Walls and partitions are straight, communications direct, circulation admirable (note cross-corridor between the St. Paul St. and Wellesley St. wings, found in this plan alone); and the lighting of all parts is most carefully studied and abundant. There is an adequate vestibule or rotunda, directly serving not only the front entrance but also the auditorium and library, and stairs and lift are well placed. *All corridors are well lighted.*

(2) The auditorium is—with perhaps the exception of K's—the best in shape, as it is the amplest and best lighted and the best served by lobby, corridors, entrances and exits.

(3) The library is so far superior to that of all other designs as to be beyond comparison.

(4) The sub-basement is excellently served by a rear driveway entrance.

(5) The artistic imagination and the professional skill revealed in this plan, give every reason to put confidence in its author's ability to correct some minor errors in the design.

(6) The elevation, though less interesting than it might be, errs on the side of sanity and propriety, and can easily be given a little more vivacity and variety of light and shade. It is unmistakably a school building, and equally amenable to execution in stone or brick, or to adaptation to concrete.

(7) The construction of this building is so free from angles, curves, jogs, long spans, etc., as to promise economy per cubic foot, which will, in considerable measure, offset its large cubic contents. Note the great simplicity and economy of the exterior. Moreover the 1,900,000 cubic feet of sections 1 and 2 can be reduced materially by reducing the width of the class-rooms from the 30 feet shown to the 28 feet called for. This alone would cut out 31,000 cubic feet or more.

An error in the grade line of the façade, and the consequent failure to provide entrances both to basement and first floor, was due to evident misinformation and misreading of the programme. "1 in 14' 0" being read 1 in 140, or perhaps 1 in.—14' 0". It in no way vitiates the excellence of the design.

For the Second Prize of \$200 the Jury recommends the design marked "E" (three intersecting circles), which is far inferior to "I" in arrangement, but still combines economy and convenience in excellent degree. The auditorium is badly arranged, though well placed, and there is nothing to compare with the beautiful court shown by "I"; but, on the other hand, the exterior is more interesting than "I's" and quite as expressive—and much more costly to execute. Taken altogether, no other plan seemed to the Jury to come up to the logical and careful arrangement of "E," except "I."

The Jury also recommend for Honorable Mention the design "K" ("Systematic"), on account of its admirable auditorium in the angle of sections 2 and 3, and its very striking and original exterior, evidently designed for concrete. The plan has many good features, but a cramped entrance, ill-placed stairs and lack of simplicity. The elevation errs in raising the basement so high above the grade and providing no direct entrance to the first floor, while the cupola above the main roof is without meaning

or apparent relation to the plan. In spite of these defects, there is so much imagination and originality in both plan and elevation that the Jury feel that this design merits an Honorable Mention, and purchase on the terms specified in the programme.

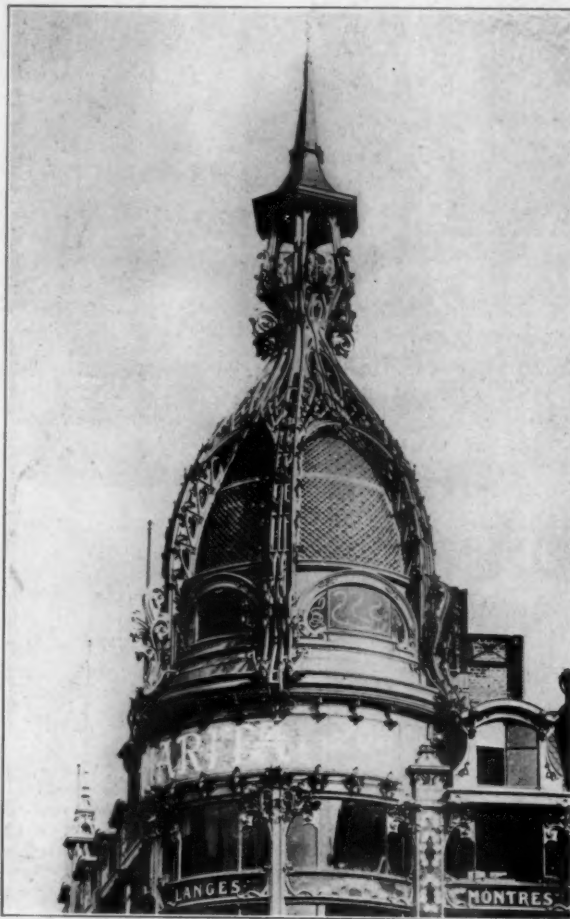
The striking economy of cubage of the design "C," the picturesque originality of the façade of "G" (intersecting squares with third square inscribed), and the straightforward concrete character of the elevation of "L" (red triangle in double red circles), were in each case associated with defects of planning, which quite forbade their serious consideration for an award.

The cubic contents stated by the competitors are found to be unreliable and in most cases greatly understated. Since in every case, the heights above grade can be varied more or less and thus (where the whole plan is carried up uniformly to the roof) the height may be assumed as constant, the real basis of comparison may safely be the ground area covered.

For Sections 1 and 2, I covers 25,427 sq. ft.

" " " " E covers 22,906 sq. ft. (or practically 23,000 sq. ft.)

" " " " K covers 23,652 sq. ft.



TOWER OF THE SAMARITAINE DEPARTMENT STORE, PARIS.

The excess of "I," therefore, over "E" is 2,500 square feet in round numbers. If 72 feet be taken as the mean height, this means an excess of 180,000 cubic feet, or, at 20 per cent. an excess of cost of "I" over "E" of \$36,000, for the two sections. But this would be diminished greatly by the simplicity of "I" as compared with "E," and the Jury feels that the possible difference in cost of \$25,000 or \$28,000 between the two designs is far more than outweighed by the quality of "I" and the evidence it gives that its author may be trusted to be able to revise the design, while keeping all its essential excellences, in such fashion as to bring it down far closer to the cost of "E" or other inferior designs.

H. HORNOSTEL,
A. D. F. HAMLIN,
F. P. BURT.

New York, September 10, 1907.

The first prize design (referred to above as "I") was the work of Mr. Horace Trumbauer, of Philadelphia, while the authors of the second prize design ("E") were Messrs. E. M. Smith and W. E. Groben, of New York. The descriptions which accompanied these two designs are printed below:

FIRST PRIZE DESIGN: AUTHOR'S DESCRIPTION.

We have arranged for two entrances for the College, one on each street. The principal entrance being in the centre of the Wellesley street elevation, and the secondary entrance at the lower end of the St. Paul side. From the principal entrance we come directly into the main stair hall, which we have endeavored to make as central as possible. The assembly hall is directly on axis and has been placed so that it will form a connecting link between the portion of the building on Wellesley street and that on St. Paul street, thus permitting of a corridor connecting the two sections, giving easy and direct access to all parts of the building from the main stair hall. The assembly hall itself is so placed that it can be used for public ceremonies without interfering with the school proper. The director's office, with the general offices, waiting-room and rooms for the heads of the

departments have been arranged in a suite near the principal entrance. The dining-room with its kitchens and dependencies has been put on the third or top floor. This location suggested itself as more desirable than the floor below on account of the odors from the kitchen and facilities for ventilation.

All the windows have been made large so that all rooms will be well lighted.

The materials of construction could be reinforced concrete with a veneer of red facing brick. All the cut stone work being in a light grey stone.

The cubic contents of the entire building is approximately one million seven hundred thousand (1,700,000) cubic feet which at twenty (20) cents per cubic foot gives a cost of three hundred and forty thousand (\$340,000) dollars for the complete building.

To Wellesley street we have given a grade of one inch in fourteen feet, according to our understanding of instructions and sketch; however, any change in grade could be readily taken care of both in plan and elevation.

SECOND PRIZE DESIGN: AUTHOR'S DESCRIPTION.

After viewing plot plan and having duly considered completed buildings, we decided upon the following desiderata:

Assembly Hall,—In a central position; readily accessible to all parts of the building, also affording direct entrance from either street; Class Rooms,—Well lighted; Corridors,—Well lighted and spacious; Gymnasium,—Under Assembly Hall, of ample size and permitting a permanent arrangement of apparatus; Shop,—Grouped near Power Plant; Elevation,—Studied to permit building to compose as each section independently or with other sections; Windows,—Grouped to express Class Room units; Style,—Modified type of Classic Renaissance; Construction,—To be of reinforced concrete, walls, columns and floors; Basement walls to have stone ashlar facing and above to be brick veneer with stone trimmings; Cubic Content,—Of First and Second sections, one million three hundred and sixty thousand (1,360,000) cubic feet at twenty cents gives total cost two hundred and seventy-two thousand (\$272,000) dollars.

ILLUSTRATIONS

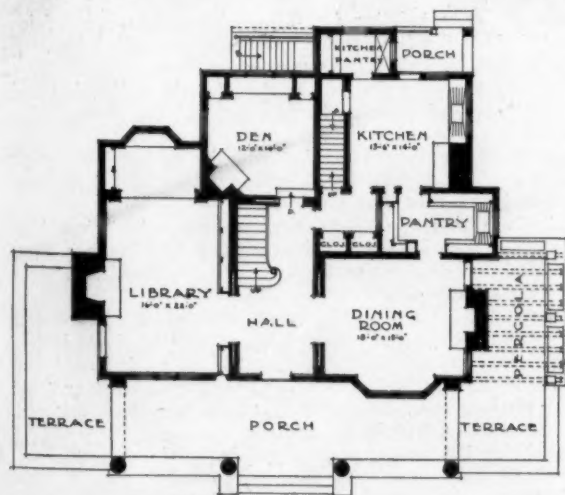
COMPETITIVE DESIGNS FOR THE SEDDON MEMORIAL TECHNICAL SCHOOL, AUCKLAND, NEW ZEALAND.

A full account of this competition with a description of the designs will be found elsewhere in this issue.

HOUSE OF MR. J. M. TATE, JR., SEWICKLEY, PA. MESSRS. RUTAN & RUSSELL, ARCHITECTS.

HOUSE OF MR. AYMAR EMBURY, IID, ARCHITECT, ENGLEWOOD, N. J.

The lower story of this house is buff stucco, over metal lath, the upper stories of shingles laid 8½ inches to the weather. All trim of lower story, including porch, roof beams, ceiling, etc., is stained dark brown. The leaders on the front porch and all second-story shingle trim, etc., are painted white. The roof is stained a very dull brown. The piazza floor is made of bricks laid herringbone.

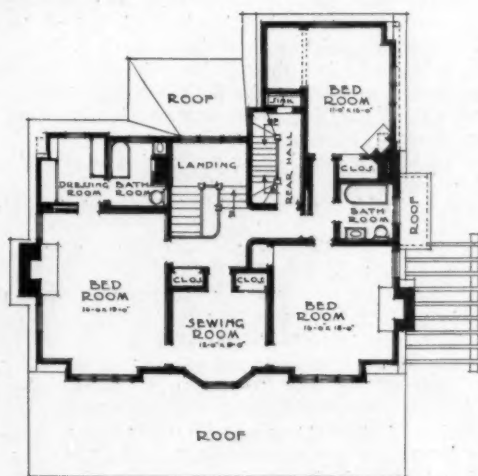


FIRST FLOOR PLAN

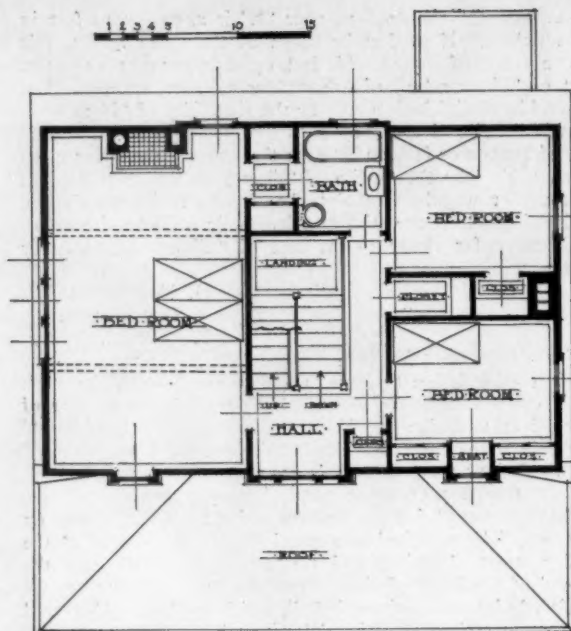
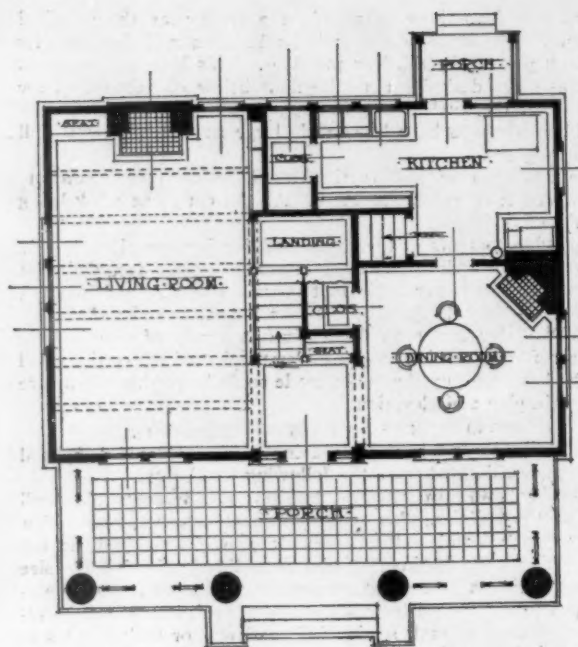
HOUSE OF MR. J. M. TATE, JR., SEWICKLEY, PA.

The living-room and stairs on first floor are stained dark brown over North Carolina pine, and the walls and ceilings finished with gold toned grass cloth. Kitchen white enameled wall and ceiling. Kitchen floor of monolith. All floors throughout are North Carolina pine, stained in tints to harmonize with decorations. Fixtures, hardware and registers on first floor finished dull green. On second floor old brass. Bedroom finish second and third floors, white; bathrooms on second and third floors white enameled walls and ceiling, floors of cement. All bathroom hardware, fixtures, etc., nickel plated.

The house comprises on the first floor living-room, dining-room, and kitchen, with appropriate closets. On the second floor three bedrooms and a bathroom. On the third floor two bedrooms and bathroom. No back stairs or pantry seemed necessary on account of the small size of the house and limited number of servants.



SECOND FLOOR PLAN



HOUSE OF MR. AYMAR EMBURY, II, ARCHITECT, ENGLEWOOD, N. J.

BUILDINGS OF THE MURPHY POWER CO., DETROIT, MICH. MESSRS. ROGERS & MACFARLANE, ARCHITECTS.

We are indebted to the architects for the following description, which refers to the buildings illustrated in our last issue and which, though it arrives a week too late, will be an interesting supplement to the drawings and photographs.

COLD STORAGE PLANT AND POWER HOUSE.—This building was erected for the three-fold purpose of generating steam, generating electricity and for cold storage.

It contains twelve Wickes upright boilers of 5,000 h. p., placed on the main floor and above them in the third, fourth and fifth stories is a large coal bin, capable of holding 2,750 tons of coal. The coal bin is made of steel beams, filled in with concrete. The coal is carried up to the bin in conveyor buckets. These buckets also carry away ashes from the boiler pits and dump them into a large steel ash bin, from which the ashes are dropped into wagons at the convenience of the drivers.

Steam is conveyed from the building through a tunnel to a large number of business buildings in the neighborhood, furnishing these buildings with heat.

One entire half of the building and also the parts of the upper stories over the coal bin are devoted to cold storage.

The front part of the building contains two large engine rooms, one over the other, and each of them having a height of three stories. The lower one contains the electric generators. The upper engine room contains all the machinery for manufacturing and circulating cold brine. This brine is conducted to the top floor of the building to the cooling pipes, which cool air, and this cold air is blown by fans through large ducts to the various cold storage rooms throughout the building, thus doing away with the necessity of carrying brine or ammonia pipes into the cold storage rooms.

The building is constructed with a very heavy steel frame, carrying floors and walls. Between the floor beams standard arch tiles are used with a cement finished floor and tiles, plastered on the underside.

The walls are all brick with a deep red paving brick facing and terra cotta trimmings.

The floors and frame are calculated for a uniform safe load of 350 pounds to the square foot, and the columns are spaced approximately 16 feet in both directions.

Both engine rooms have a clear span of thirty-two feet, spanned by plate girders, one plate girder having to carry as much as 100 tons.

The insulation of the cold storage parts of the building is obtained by building a 4-inch tile wall 8 inches inside of the outside wall and filling the intervening space with loose cork.

Floors are insulated with 4 inches of "Lith." and all walls and floors are thoroughly coated with a water-proof paint.

The smoke from the boilers is conveyed to the smokestack through brick ducts, which are carried down back of the boilers

and under the boilers to the bottom of the smokestack; these ducts being lined with fire brick.

The smokestack itself is 13 feet 6 inches in diameter and is 245 feet high; made of steel plates and lined on the inside with fire brick, anchored to very heavy concrete footings, and this stack is absolutely self-supporting, not being guyed at any point and not touching the surrounding walls. A brick wall is built around this circular stack in the form of a square and the triangular spaces in the four corners are used most effectively as ventilating flues for the boiler-room.

Metal windows and wire glass are used throughout and every outside door opening is fitted with rolling steel shutters.

In the cold storage part there is a large receiving court under cover, into which teams drive and unload, and the openings in this court are also protected by rolling steel shutters.

Cement-finished floors are used throughout, except in the offices which occupy the space over the engine-rooms on the eighth floor. These offices are finished in fumed oak.

On the first floor in the storage side are the offices of the storage department, these being finished in mahogany.

The part of the building immediately over the coal bin and in the sixth story is used for the cold storage of furs, with a small reception-room adjoining.

The building has four elevators, one passenger, one five-ton freight for general use and two freights used exclusively for the cold storage part.

ICE PLANT.—The building for the making and storage of ice is situated about 600 feet from the power-plant and is connected with it by a tunnel under the street.

This building is erected with a steel frame, tile walls, plastered inside and out and concrete floors; some of the floors being reinforced.

The long storage-room is 50 feet wide by 80 feet long by 50 feet high and is to be used for the storage of ice in dull seasons. This room is insulated with loose cork.

The ice is to be made on the "plate" process, each block weighing five tons. The ice is made in large steel tanks with cooling plates dividing the tanks; cold brine being conducted into pipes between the cooling plates.

The five-ton blocks of ice are lifted by an electric crane and carried over to the cutting table, which is then let down into a horizontal position and the ice cut into blocks as desired, being sent through automatic ice-drops to the storage-rooms and the delivery platform below. The ice wagons are driven into the large court under cover for loading.

The building has cement and composition roof.

When plans were first made it was intended to erect a reinforced concrete building. Some of the spans were so great, however, that tremendous concrete girders would have been needed, so it was decided to build with a steel frame and tile walls plastered, using steel plate girders for the long spans and thereby saving a large amount of space.

CURRENT NEWS SECTION

INDUSTRIAL INFORMATION

CATALOGUES.

Many valuable hints on the mixing of concrete will be found in "The Mixer Manual" of the Contractors' Supply & Equipment Company, Old Colony Building, Chicago. Though the manual is made for the use of operators and salesmen of Smith mixers, the company will doubtless be glad to send a copy to any architect who applies for it, and its "Concrete Catechism" alone makes it worth space on the working library shelves.

The 1907 catalogue of James B. Clow & Sons covering the subject of "Clow Water Closets" is a compendious one. The illustrations show the types recommended for use in residences of various sorts, in office and public buildings, in schools and institutions, in railway and public comfort stations, stores, factories, prisons and reformatories. In addition to numerous illustrations, it contains special descriptions and price lists of the various devices and a general account of the Madden patent siphon-jet closets and the seats and tanks that are used in connection with them.

BUILDING NEWS

(The editors greatly desire to receive information from the smaller and outlying towns as well as from the larger cities.)

ALLEGHENY, PA.—Press reports state that the plans for the Tenth Ward School, for which C. M. Bartberger & Son, Westinghouse building, Pittsburgh, are preparing plans, will cost about \$175,000.

ALTOONA, PA.—The Imperial Dry Goods Company, Altoona, Pa., it is said, will erect a building. Cost, \$75,000.

ARMORE, I. T.—Announcement has been made that Hargrove College, recently burned at a loss of \$30,000, will be rebuilt. Address The President of Hargrove College; cost about \$50,000.

ATLANTA, GA.—The County Commissioners have ordered the erection of a new almshouse on Powers Ferry Road, to cost \$50,000.

ATLANTIC CITY, N. J.—Milligan & Weber, Philadelphia, it is said, are preparing revised plans for an eight-story hotel, at Atlantic City, for a company headed by Newlin Haines. Approximate cost is \$1,000,000.

Architect H. A. Stout, Bartlett Building, it is stated, has prepared sketches and will soon start working on plans for an eight-story hotel, 90x200 feet, on the beach front. The cost is placed at \$150,000.

BALTIMORE, MD.—Press reports state that contracts have been formally awarded by Charles L. Stockhausen, National Marine Bank Building, Gay and Water Streets, for the construction of a group of buildings for the Dr. Samuel Leon Frank Memorial Hospital on the Hebrew hospital grounds at Broadway and Hopkins Avenue. Structures include four-story administration building, four-story ward building, laundry

and two-story boiler-house; brick with stone and terra cotta trimmings; reinforced concrete work; structural iron and steel; interior marble and tile work; electric wiring and fixtures; sanitary plumbing; steam-heating system; cost \$150,000. Louis Levi, architect, American Building.

BANGOR, PA.—The York-Bangor Slate Company will, it is said, erect a plant near Bangor, to cost \$200,000. M. G. Collings, of York, is president, and Cotton Amy is the manager.

BIRMINGHAM, ALA.—R. W. Massey is reported to have secured a permit to erect a \$160,000 six-story apartment house at Highland Avenue and Twentieth Street S.

BOSTON, MASS.—It is stated that plans are being drawn for another bank building to be erected in Boston. The Old Colony Trust Company will erect a great edifice on the company's land, fronting on Court Street and Franklin Avenue and extending back a considerable distance towards Cornhill. The proposed structure will be begun some time in 1908, when the present buildings adjoining the Ames Building and extending to Franklin Avenue will be razed and the site prepared for the new structure, which it is understood will be used exclusively for banking purposes.

BROOKLYN, N. Y.—Plans have been approved by the Building Department for a new theatre, which is to be built on the north side of Fulton Street, 85 feet north of Nostrand Avenue, for Nathan Stern, 756 Flushing Avenue. J. B. McElfatrick, 1402 Broadway, Manhattan, is the architect, and plans provide for a three-story building, measuring 76x150 feet, to cost about \$170,000. It will be built of brick, stone, and iron, fireproof, and have the latest improvements and appliances.

The Sixth Avenue M. E. Church will soon erect on Sixth Avenue, northwest corner of Eighth Street, a one-story and gallery church and school, 70x128.6, to cost \$70,000. George Conable, 35 Wall Street, New York, has plans.

Plans have been prepared and the congregation of Beth Elohim is said to be in favor of beginning work at once on the construction of the synagogue, which is to cost \$100,000.

BRUNSWICK, GA.—Court-house and jail bonds, amounting to \$75,000, are reported sold.

BUFFALO, N. Y.—Marcus Barmon is reported to be Treasurer of an Association which contemplates erecting a semi-orthodox Jewish Temple in the Richmond Avenue District, to cost about \$40,000.

James Knox Taylor, Supervising Architect, Treasury Department, Washington, D. C., has rejected all bids received for the construction of a marine hospital building at Buffalo, N. Y., as being in excess of the appropriation.

CAREY, O.—It is reported that the congregation of Our Lady of Consolation will soon let contracts for erecting a \$75,000 church.

CARTHAGE, N. Y.—Members of the First Universalist Church, it is reported, have perfected plans for the erection of a new church edifice. Plans of Architects Eaton

& Brownell, Watertown, N. Y., are adopted.

CHARLESTON, W. VA.—The Engineering & Contracting Company are taking new sub-bids on constructing a twelve-story reinforced concrete office building on Kanawha and Capitol Streets for Charles M. Alderson and Samuel Stephenson, to cost \$150,000.

CHATHAM, N. J.—A residence will be erected at the corner of Fairmont and Fairview Avenues, for A. W. Markley, from plans and detailed specifications by Lawrence Visscher Boyd, architect, Philadelphia, Pa. It will be a two-story building of brick and stone, to be handsomely finished and decorated, and to have all modern improvements and appliances.

CHATTANOOGA, TENN.—Thos. L. Montague, according to reports, intends erecting a \$60,000 residence.

CHICAGO, ILL.—Armour & Company, Union Stock Yards, have had plans prepared for an office building at the stock yards. It will be four stories, 185x195 feet, of brick, stone and of steel construction with composition roof, galvanized iron cornices, plate glass, hardwood trim and floors, nickel plumbing and combination light fixtures. \$375,000. R. C. Clark is Superintendent of Construction.

Plans have been completed by Wm. H. Pruyn, Jr., & Company, Berkeley Avenue and Forty-second Place, for a large modern apartment house, which they will erect at the northeast corner of Grand Boulevard and Forty-fourth Street. It will be a three-story building, covering 100x155 feet, and cost about \$80,000. It will have front of pressed brick with stone trimmings, composition roof, hardwood finish and floors, steam heat, electric light, bath room and laundry fixtures, tile and mosaic work, etc.

City Architect Charles F. Hermann, 322 City Hall, has completed plans for a police station to be built at Indiana Avenue and 115th Street. It will be three stories, 175x85 feet, and cost \$75,000. The specifications call for masonry and concrete work, carpentry, lathing and plastering, painting and glazing, tile and marble work, cut stone, sheet metal, gravel roofing and steel ceiling, iron and steel work, steam heating, plumbing, sewerage, gasfitting and electric wiring.

CHIPPewa FALLS, WIS.—The Progressive League, of this city, is reported to have approved the plans prepared by Claude & Starke, of Madison, for the sanitarium which it is proposed erecting here, at a cost of about \$250,000.

Bids are asked by James Knox Taylor, Supervising Architect, Treasury Department, Washington, D. C., until 3 p. m., November 15, for the construction, including plumbing, gas piping, heating apparatus, electric conduits and wiring, of the United States Post-office at Chippewa Falls.

Plans are being prepared for an asylum to be known as Greenway Court, to be erected at a cost of \$200,000.

CHEYENNE, WYO.—Adolph Coors, of Golden, Colo., will build a four-story modern hotel, to cost about \$70,000, for Leopold

Kabis. The hotel will be called The Kabis.

CLEVELAND, O.—The Anshe Chesed Congregation is stated to have decided to erect a new synagogue on Euclid Avenue and East Eighty-second Street, to cost \$200,000.

It is reported that plans have been filed for a \$45,000 edifice to be erected for the Calvary Evangelical Church at Woodhill Road and Wamelink Avenue.

COFFEYVILLE, KAS.—Plans are being considered for government buildings in Coffeyville, Independence and Parsons, at a cost of \$100,000 each. Address Congressman P. P. Campbell.

CORPUS CHRISTI, TEX.—J. H. Ennis, of Batson, according to reports, has purchased the Seaside Hotel and intends erecting a 100-room hotel on the site.

COUNCIL BLUFFS, IA.—The Y. M. C. A. Committee have selected a lot at the corner of First Avenue and Seventh Street as a site for their new building which will be erected at a cost of about \$40,000.

COVINGTON, KY.—Plans are being prepared for a church for the St. Augustine congregation of Central Covington. Cost, \$60,000.

CRESSON, PA.—The erection of an insane hospital for Cambria County, near Cresson, is reported contemplated, at a cost of \$350,000.

CYNWYD, PA.—Estimates have been taken by Joseph M. Hustan, architect, of Philadelphia, and work will soon be started on the erection of a large new residence to be built here. The building will be three stories high, measuring 36x36 feet. It will be built of brick and stone, and the interior will be handsomely finished and decorated and provided with the latest improvements. A one-story stable, 25x17 feet, will be built in connection with the residence.

DE KALB, ILL.—It is reported that a \$40,000 Y. M. C. A. building will be erected here.

DENVER, COLO.—I. A. Ferguson is planning to erect a four-story office building at 1715 Champa Street, to cost \$125,000.

Marean & Norton, Dodge Building, it is reported, are preparing plans for a residence to be erected at Eighth and Logan Avenues, for Mrs. Walter S. Cheesman, at a cost of about \$100,000.

It is stated that Herbert George intends erecting on Champa and Eighteenth Streets a three-story building to cost \$50,000.

Plans have been filed for an administration building to be erected for the Roman Catholic Seminary, which it is proposed erecting at Louisiana, Cook and Madison Streets. John J. Huddart, 42 Bank Building, is the architect, and the building is to cost about \$75,000. Rev. Thos. F. Lovan, President of the Seminary.

Reports state that the \$100,000 to be raised before the actual work on the magnificent St. John's Cathedral is started has been raised by subscription. The contract for the nave, or the part of the great building to face Fourteenth Avenue, and proceed back to the chancel tower, will be let at once.

DES PLAINES, ILL.—The Sisters of the Holy Family, according to reports, are preparing to erect an addition to the convent, estimated to cost \$80,000.

DULUTH, MINN.—It is reported that a large new Court-house for St. Louis County will be erected from plans and specifications by Architects D. H. Burnham &

Company, 9 Jackson Boulevard, this city. The new building will be of fireproof construction, and cost about \$500,000. It will have tile roof, steam heat, electric light, elevators, and the latest improvements in all lines.

EASTON, PA.—A. A. Ritcher, Architect, 779 Cumberland Street, Lebanon, Pa., reports that contracts will be let about December 1, for constructing a fireproof granite and brick banking building, 32x158 feet, to cost \$180,000. The structure will be owned by the Northampton National Bank.

EL DORADO, KAS.—It is announced that plans have been prepared by W. G. Charles, of Wichita, for a church for the Methodist congregation at a cost of \$40,000.

ELM GROVE, W. VA.—First National Bank, J. B. Chambers, President, is said to be contemplating the erection of a new building.

EMMITSBURG, MD.—Baldwin & Pennington, of Baltimore, it is stated, have completed plans for a church to be erected at Mt. St. Mary's College at a cost of about \$100,000. The foundation for the building is completed, and contract for the cut stone work is reported awarded to D. M. Andrews Company, of Baltimore.

FALL RIVER, MASS.—The Board of Health, according to reports, has approved the plans of Louis G. Destremps & Son, 56 North Main Street, for the contagious disease hospital.

FERNDALE, PA.—The Johnstown Railway Company, Johnstown, Pa., has decided to build a power plant at Ferndale. Cost \$100,000.

FLUSHING, L. I., N. Y.—Reports state that plans prepared by Architect W. W. Knowles have been approved for a nurses' home, to be erected on Forest Avenue, three-story frame, 28x60, to cost \$60,000.

FORD CITY, PA.—W. G. Eckles, of New Castle, is stated to have been engaged to prepare plans for a school to be erected in Ford City, at a cost of about \$70,000.

FORT WASHINGTON, PA.—A new residence will be built for George R. Wallace, owner. Plans by C. E. Schermerhorn, Architect, of Philadelphia, provide for a three-story building, of brick and frame, to be elaborately finished in hardwood, and to have hot air heat, electric light, and all modern improvements.

GALVESTON, TEX.—The Trustees of the St. Mary's Infirmary, it is reported, propose erecting a four-story addition, to cost about \$60,000.

GENEVA, N. Y.—It is stated that plans are being prepared by Arthur C. Nash, 1170 Broadway, New York, for a city hall, to cost \$125,000. A. P. Rose is Mayor.

GLOBE, ARIZ.—It is reported that the Lodge of Elks is contemplating the erection of a \$50,000 building.

HAMMOND, IND.—The members of the Christian Church, it is said, are planning the erection of a \$30,000 edifice. Rev. J. S. Sharp, Pastor.

HARRISBURG, PA.—W. C. Farnsworth and S. K. Hamburger, have secured a site for a twelve-story hotel. Cost, \$800,000.

HAVERHILL, MASS.—We are advised that plans by C. Willis Damon have been accepted by the Haverhill Building Association for factory No. 2 on Walnut Street. Estimated cost, \$115,000. Bids will soon be called for.

HAZLETON, PA.—Reports state that plans and detailed specifications have been completed in the office of Cope & Stewardson, Architects, of this city, for a new building to be erected at Hazleton, for the Pennsylvania State Hospital. The new building will be three stories high, of brick and stone, and will cost about \$60,000.

HOLYOKE, MASS.—A. W. Holton has completed plans for a three-story, 50x38 feet addition, which it is proposed erecting to the Sarah Gillette Home for the Aged People, and it is reported that the building committee will soon ask for bids for the construction of same.

HOT SPRINGS, ARK.—It is said that plans are being prepared for a church for the Christian congregation, to cost \$30,000. Rev. T. N. Kincaid is Pastor.

HOT WELLS, TEX.—Press reports state that F. M. Swearingen contemplates the erection of a \$100,000 addition to his hotel here.

HOUSTON, TEX.—There is every indication now that the \$1,000,000 hotel project will be put through at an early date. Jesse Jones and others are reported interested.

HUNTINGTON, L. I., N. Y.—Press reports state that Messrs. Reiley & Steinback, 481 Fifth Avenue, New York, have plans for a church for the Rev. John C. York, to be erected here.

INDIANAPOLIS, IND.—Vonnegut & Bohn, Indiana Trust Building, are reported to have been engaged to prepare plans for the M. E. Hospital, which it is estimated will cost in the neighborhood of \$150,000.

JACKSON, MISS.—The State Bank and Trust Company, with a capital of \$250,000, is planning the erection of a new bank building.

KANSAS CITY, MO.—The Missouri Realty & Rental Company, according to reports, has secured a site at Fifteenth Street and Lydia Avenue on which it is proposed erecting a skating rink at a cost of about \$50,000.

Howard E. Huselton, of Kansas City, Robert T. Newberry, 184 LaSalle Street, Chicago, Ill., and associates contemplate erection of a music hall. Plans are being prepared by James Oliver Hogg, New York Life Building, and call for erection of structure six stories high, 98x132 feet, steel; exterior of brick and terra cotta, fireproof. Cost, \$350,000.

Jarvis Hunt, Dwight Building, has submitted plans, it is stated, which have been accepted, for a twenty-story steel fireproof, marble and terra cotta office building, which the Great Western Life Insurance Company, R. A. Long Building, contemplates erecting at Tenth Street and Grand Avenue, at a cost of about \$1,500,000. It is expected that contracts will be let within thirty days. O. L. Van Landingham is President. Previously reported.

Architects Howe and Hoyt, of 315 East Tenth Street, are preparing plans for the erection of a five-story office building for the Midland Realty Company, on the northwest corner of Eighteenth and McGee Streets, speckled gray brick, stone trimmings, cost \$80,000. To be called the Reliance Building.

Bids will be received until October 31 by Samuel A. Bover, County Clerk, at the Court-house, Kansas City, for erecting buildings for the new country Home for the Aged and Infirm. Probable cost, \$250,-

000. Smith & Rea, Architects, 722 Dwight Building.

KITTANNING, PA.—Charles W. Bier, of Pittsburg, is reported to have been engaged to prepare plans for a brick and stone edifice for the M. E. Church, to cost \$50,000.

LAGUNA, TEX.—The Laguna Vista Club is reported organized for the purpose of erecting a sanitarium here at a cost of about \$100,000.

LEONARDTOWN, MD.—Bernard Duke, of Baltimore, will, according to report, build a modern hotel here, to cost \$100,000.

LEWISTOWN, PA.—It is said that plans are being prepared by Architect Charles W. Bolton & Son, Witherspoon Building, for the erection of a church for the First Presbyterian congregation. Rev. W. L. Mudge, Pastor. Cost, \$50,000.

LOS ANGELES, CAL.—The Union Labor Temple Association, 540 Maple Street, is preparing to erect a building to cost \$150,000. It will be seven stories high. The auditorium will have a tilting floor so arranged that it can be raised or lowered five feet by the use of jacks. Thornton Fitzhugh, Laughlin Building, is Architect. Joliet Building & Iron Company have the steel contract and Robertson & Schindler the contract for enclosing the structure. Other contracts are not awarded. Electric elevators will be installed.

Arthur B. Benton, 114 North Spring Street, according to reports, has prepared plans for an edifice, parish house and rectory to be erected for the Congregational Church of the Messiah, of which Rev. Stanley Fisher is pastor. The cost of the buildings is to be about \$100,000.

MANOA, PA.—It is said that plans have been finished upon which Culvin W. Rogers is taking approximate estimates for a large and handsome hotel to be built in Delaware County at a cost of about \$110,000. The building will be a brick, concrete and frame structure. It will be four stories high, with a basement, 40x100 feet in dimensions, with two wings, 40x125 feet each. It will contain 180 rooms, an auditorium, billiard room, café and roof garden.

MARIETTA, O.—A. L. Graecy, W. J. Speer and W. A. Campbell are said to be organizing a company with a capital of \$60,000 for the purpose of erecting a business building.

MARSHFIELD, ORE.—William Grimes is at the head of a company of Marshfield capitalists who propose erecting a new hotel, to cost \$75,000. Address Wm. Grimes.

MILWAUKEE, WIS.—Van Ryn & De Gelke, 211 Grand Avenue, have plans ready for bids for the normal school building for the city. Cost, \$200,000.

It is said that preliminary plans are being prepared for an addition to the public museum.

MINNEAPOLIS, MINN.—Charles H. Miles, of Hibbing, is reported, contemplates erecting in Minneapolis a vaudeville theatre to cost about \$100,000.

MITCHELL, S. D.—The citizens are reported to be planning the erection of a high school, at a cost of \$100,000.

MONROE CITY, MO.—J. N. Magruder, County Clerk, reports that the citizens on September 28 voted to issue \$25,000 bonds for erecting a county almshouse. No architect yet selected.

NASHVILLE, TENN.—A Building Committee is reported appointed by the members

of the First Presbyterian Church to secure plans for a \$50,000 edifice.

NEWARK, N. J.—Reports state that Nathan Myer, Architect, Metropolitan Building, has received estimates for constructing a reinforced concrete manual training high school building. Estimates were in excess of appropriation of Board of Education.

Hyman Rosensohn, 188 Market Street, it is said, is preparing plans for a four-story brick store and apartment house to be erected at Belmont and Avon Avenues for Ginshry & Elin, at a cost of \$125,000.

A site for the proposed twelve-story hotel and theatre building has been purchased. The property extends from 520 to 526 Broad Street, running through to Atlantic Street. The plot has a frontage of 100 feet on Broad Street and a depth of 235 feet. According to the announcement previously made by N. Napier Anderson, an architect, of 63 Fifth Avenue, New York, plans are in preparation for the erection of a twelve-story hotel on the Broad Street site, estimated to cost about \$800,000. The hotel, according to Mr. Anderson, will contain 375 rooms and baths, with a theatre in the rear, calculated to seat 1,800 persons. Entrance to the theatre, it was said, will be through an arcade.

NEW BRUNSWICK, N. J.—The Board of Trustees of Rutgers College, according to reports, have accepted plans of D. D. Williamson, of New Brunswick, and Hill & Stout, of New York City, for the engineering building which is to be erected, at a cost of \$60,000.

NEW ORLEANS, LA.—Sealed proposals, in duplicate, will be received at Headquarters, Marine Corps, Quartermaster's Office, Washington, D. C., until 11 a. m., November 5, 1907, and then be publicly opened, for the construction at naval station, of marine barracks and officers' quarters. Proposal blanks, plans, and specifications may be obtained at this office, or from De Buys, Churchill & LaBouisse, Architects, 817 Hibernia Bank Building, New Orleans. The right is reserved to reject any or all bids, or parts thereof, and to waive informalities. F. L. Denny, col., Q. M., U. S. Marine Corps.

NEW YORK, N. Y.—W. R. H. Martin, 56 West Thirty-third Street, of Rogers, Peet & Company, it is said, has awarded to Charles T. Wills, 156 Fifth Avenue, the general contract to erect a sixteen-story addition to the Hotel Martinique, Broadway and West Thirty-third Street, for which H. J. Hardenbergh, 1 West Thirty-fourth Street, has completed plans. The new structure is to cost \$800,000, and will cover a plot 53.9x98.9 feet.

Robert D. Kohn, Architect, 107 Fifth Avenue, reports that bids will be received about November 1 for constructing a twelve-story loft building, 98x105 feet, at 19 West Twenty-first Street for David Spiro, 656 Broadway. Building will be constructed of brick and stone and will cost \$350,000.

Reports state that contracts are being let for construction of two apartment houses, six stories, brick and stone, 80x90 feet and 60x87 feet, to cost \$140,000 and \$90,000. Buildings will be erected at Morningside Avenue and 118th Street for the West Side Construction Company, 321 West Ninety-second Street. Neville & Bagge, Architects.

Neville & Bagge, 217 West 125th Street, are the architects for the new flat building to be erected at the southwest corner of Broadway and 133d Street by Daily & Carlson, 694 East 136th Street. It will be a six-story building, of brick and stone, with composition roof, hardwood finish and floors, steam heat, hot water supply, electric wiring, etc. Approximate cost, \$120,000.

It is stated that a new business building will be erected at 11 West Thirty-fourth Street for Robert Smith, 52 West Fourteenth Street, at an estimated cost of \$300,000. Plans by Architect Benjamin W. Levitan, 20 West Thirty-third Street, provide for a twelve-story building, measuring 25x124 feet. It will be built of brick, stone and iron, fireproof, and have steam heat, electric light, elevators, etc.

A large new apartment house will be erected at 136 West Fifty-seventh Street for P. McL. Merrill, 259 Fifth Avenue. Plans by Architects Pollard & Steinam, 234 Fifth Avenue, provide for a twelve-story building, to cost about \$500,000. It will be built of brick, stone, and iron, fireproof, and have steam heat, electric light, elevator, telephone system, etc.

The Charter Construction Company, 198 Broadway, it is said, will soon erect a six-story highclass flat building on Broadway, northwest corner of 127th Street, at a cost of \$125,000. Schwartz & Gross, 347 Fifth Avenue, are preparing plans.

It is stated that L. A. Goldstone, Architect, 110 West Thirty-fourth Street, is preparing plans for two six-story brick and stone apartment houses, 39.6x90.6 feet and 80x86.11 feet, to be erected on Riverside Drive and 138th and 139th Streets. Buildings will be built for Hensel Construction Company, 302 West 120th Street, and will each cost \$225,000.

The Master Builders Realty Company, 99 Nassau Street, it is said, will soon award sub-contracts for the twelve-story mercantile structure, 25x95 feet, which they are about to erect at No. 8 East Twelfth Street, to cost \$100,000. The exterior will be of brick and terra cotta, steel, tin and slate roof, steam heat, elevators, etc. Samuel Sass, 23 Park Row, Architect.

Plans are being prepared by Architects Newman & Harris, 1414 South Penn Square, for a residence for L. Erben, at a cost of \$30,000.

Architects Buchman & Fox, 9 East Fifty-ninth Street, it is said, have prepared plans for a twelve-story bank and office building for the Fleischman Realty & Construction Company, to cost \$200,000.

Clinton & Russell, 32 Nassau Street, are reported to have prepared plans for an addition to be erected to Hotel Astor, Broadway, Forty-second and Forty-ninth Streets.

Plans have been filed for the erection of a four-story brick school at 189th Street and Lorillard Place, for the City of New York; cost, \$320,000. C. B. J. Snyder, Architect, 500 Park Avenue.

NORTHAMPTON, MASS.—It is reported that a new library is to be erected at Smith College, at a cost of about \$60,000.

OKLAHOMA CITY, O. T.—Thomas Campbell will, it is stated, erect a bank and office building; nine stories; 25x140 feet; steel and concrete; cost \$50,000.

OMAHA, NEB.—The Woodmen of the World, it is reported, contemplate erecting a building costing about \$300,000.

O. W. Butts, 801 Jones Street, is said to be contemplating the erection in the spring at Eighth and Jones Streets, of a fruit and cold storage warehouse six stories high.

OTTAWA, KAS.—According to report, Congressman Charles F. Scott will introduce a bill in the next Congress to appropriate \$75,000 for a Federal Building for Ottawa.

PENSACOLA, FLA.—Messrs. Carpenter, Blair & Gould, 475 Fifth Avenue, New York, are reported to be completing plans and will soon take bids for the ten-story office and bank building to be erected by the American National Bank, at Pensacola, to cost about \$200,000.

PHILADELPHIA, PA.—Plans and detailed specifications have been prepared by George E. Savage, Architect, of this city, for a new church to be erected for the First United Presbyterian Congregation. It will be located at Wayne Avenue and Manheim Street, and plans provide for a one-story building, of brick and stone, with slate roof, hardwood finish, steam heat, electric light, etc. Cost, \$50,000.

Plans and specifications are nearing completion in the office of Wm. H. McElfattrick, 1402 Broadway, for the new theatre to be built at Broad and Poplar Streets, Philadelphia, for Oscar Hammerstein. It will be a fireproof structure measuring 240x160 feet. It will be handsomely finished and decorated and have the latest appliances in all lines. New York and Philadelphia builders will figure.

The Enon Tabernacle Baptist Congregation, it is reported, will build a new church on the southeast side of Coulter Street, 242 feet southwest of Wayne Avenue, plot 40x140 feet.

Cope & Stewardson, 320 Walnut Street, it is said, are preparing plans for a library and museum. Not yet ready for estimates.

The erection of a \$200,000 House of Detention is reported contemplated in this city. Architect Philip M. Johnson prepared plans some time ago, but at the time the Councils dropped the matter.

PINE BLUFF, ARK.—A. Brewster, J. McCain and W. Z. Tankersley, as a committee, have invited architects to submit plans up to October 25 for a new church building to seat from 800 to 1,000 people, and to cost \$30,000 to \$35,000. The lot fronts 109 by 120 feet deep.

PITTSBURG, PA.—Reports announce that T. J. Keenan, Farmers' Bank Building, has plans for an eight-story fireproof office building at Fifth and Sixth Avenues. Cost, \$200,000.

Frank Torchi, the Italian banker, has purchased fifty feet on Webster Avenue, adjoining his present property, which gives him a frontage of ninety feet, and proposes to erect a seven-story hotel and bank building.

Plans have been prepared by Architect Nirdlinger & Simpson, Diamond Bank Building, for a residence on Beaver Avenue and Grove Street, for William McBride, 601 West North Avenue, at a cost of \$30,000.

PLAINFIELD, N. J.—The erection of two wings to the high school, at a cost of \$40,000, is under consideration. The erection of a primary school on Darrow Avenue, to cost about \$90,000, is also contemplated.

PLATTSBURGH, N. Y.—Jackson & Rosencrans, 31 Union Square, New York, are

preparing plans for a three-story building for the Young Men's Christian Association, Plattsburgh, to cost \$60,000.

PRINCETON, N. J.—It is reported that plans have been completed for a physical laboratory, which is to be erected at Princeton University at a cost of about \$600,000. Work is to commence at once. Plans have also been completed for the geological and biological laboratory, which is to be erected at a cost of \$600,000, but work on this will not commence for several months. Woodrow Wilson is President.

RALEIGH, N. C.—Rex Hospital is contemplating the erection of a building at a cost of \$75,000.

Sealed proposals will be received up to noon October 25, 1907, for the construction of a four-story brick addition to the State Hospital for the Insane at Raleigh, N. C., also separate bids for plumbing and heating, according to plans and specifications prepared by Barrett & Thomson, Architects and Engineers, Raleigh, N. C., and on file at their office. A bond with a reputable surety company licensed in the State of North Carolina, not less than twenty-five per cent. of the contract, will be required. The right is reserved to reject any or all bids. Bids must be marked "Bid for Addition to State Hospital, Raleigh, N. C.," and addressed to W. A. Erwin, Chairman Building Committee, West Durham, N. C.

The Apostolate Society is reported to be planning the erection of a hospital at a cost of \$50,000.

REISTERSTOWN, MD.—Reports state that plans will soon be completed for the Epstein Memorial Hospital, which will be built near Reisterstown; Chas. M. Anderson, 324 North Charles Street, Baltimore, Architect.

RICHMOND, VA.—It is reported that an armory, costing about \$80,000, is to be erected on Sixth and Marshall Streets for the Richmond Light Infantry Blues.

ROANOKE, VA.—Reports state that J. T. Strickland will erect a building 100x50 feet; six stories above street; gray face brick; offices above first floor; fireproof throughout; reinforced concrete and hollow tile fillers; steam heat; combination lighting; electric passenger and freight elevators; conduit electric equipment; cost, \$125,000. Architect, H. H. Huggins.

ROCKAWAY BEACH, N. J.—It is reported that the Congregational Church Congregation are contemplating the erection of a new edifice, to cost about \$50,000.

ROCKFORD, ILL.—The Rev. C. W. Sundmark, Pastor of the Swedish Baptist Church, is desirous of obtaining plans for a new church edifice to be built in the spring.

SACRAMENTO, CAL.—At a recent meeting of the Board of Directors of the Sacramento Hotel Company preliminary plans were submitted for the proposed new hotel. The company is organized with a capital of \$500,000, and the hotel is to be located at the southeast corner of Tenth and K Streets. It will be of reinforced concrete, with over 300 separate apartments. A fine roof garden, with seats for 300 persons, will crown the seven-story hotel. The site is 140x160 feet, and the outline of the building will be square, with a covered central rotunda, and the structure will be fireproof.

R. A. Herold, Brythe Building, is prepar-

ing plans for a new County Court-house and jail, to cost about \$660,000.

ST. JOE, WASH.—C. B. Pride, Engineer, of Appleton, Wis., is preparing plans for a paper and pulp mill to be erected at St. Joe, at a cost of \$1,500,000. The Wood Pulp & Paper Company, Seattle, is interested.

ST. LOUIS, MO.—According to report, architects have been commissioned to submit plans for the trades school which has been endowed to the extent of \$1,000,000 by David Ranken, Jr. The school to be known as the David Ranken Jr. School of Mechanical Trades and will be located at Newstead, Cook and Finney Avenues. Address L. D. Dozier, President, Board of Trustees.

SALT LAKE CITY, UTAH.—Plans have been adopted for the complete reconstruction of the Kenyon Hotel, at a cost of about \$250,000. It is proposed to reconstruct the entire building, making the interior of steel construction and adding at least two more stories. The plans also call for the making of the two-story portion on Second South Street uniform with the portion facing on Main Street.

SAN ANGELO, TEX.—The San Angelo Bank & Trust Company will erect a five-story building, at a cost of \$50,000.

SAN ANTONIO, TEX.—Dr. Alfred C. McDaniel has had plans prepared by Henry T. Phelps, 303 West Commerce Street, for erection of five-story office building. Structure will be built of steel, permitting erection of five additional stories at a later date, the ten-story building costing about \$75,000.

It is said that plans have been prepared by Architect Atlee B. Ayers, 228 West Commerce Street, for the erection of a church for the First Presbyterian Congregation, at a cost of \$75,000.

SAN FRANCISCO, CAL.—The California Academy of Science, it is stated, has decided to erect a \$300,000 building on the site of the building destroyed by fire at the time of the earthquake.

Rankin, Kellogg & Crane are preparing plans for a group of reinforced concrete buildings to be erected at San Francisco for the Transport Service, Army Department. The buildings to be erected are six three-story storehouses, measuring 60x200 feet each; a three-story and basement office building, 50x150 feet; a number of houses for officers, and a system of docks. The cost will be \$1,250,000.

The management of the Robert P. Keating Estate Company have planned to erect a new hotel building at an estimated cost of \$160,000 on the north side of Ellis Street, ninety-five feet west of Powell. The building will be of brick and six stories high.

A. Borel & Company are reported to have adopted plans for a bank building to be erected on Montgomery Street, at a cost of \$70,000.

The German-American League of San Francisco, it is reported, is contemplating the erection of a building for club purposes, at a cost of about \$1,000,000.

Reports state that the Washington authorities have finally approved plans for a big army depot on the water front, adjoining Fort Mason. It will be the largest army depot in the country and will cost \$2,000,000, of which amount \$1,500,000 has already been appropriated by Congress. A seawall 700 feet into the bay and 700 feet

long is to be constructed, providing for the filling of solid ground between it and the mainland and a solid wharf of reinforced concrete will be constructed. The buildings are to cover about twenty acres of ground. It is expected to have the depot and wharves finished in two years from now.

SEATTLE, WASH.—The New Washington Improvement Company has announced its intention to commence immediately the construction of an additional wing to the New Washington Hotel. This wing, which will be erected at the northwest corner of the building, where the foundation and three stories are already in, will contain eighty rooms, and cost \$100,000. That will make the total number of rooms 330, and will bring the cost of the building, with furnishings, to \$1,000,000.

The Building Inspector has granted a permit to the Washington Securities Company, Globe Building, for the construction of a ten-story steel frame office building at Third Avenue and Stewart Street, to cost about \$300,000.

The Children's Orthopedic Hospital Association is reported to have engaged Howard & Galloway, of Seattle, to prepare plans for the three-story fireproof hospital, which the association proposes erecting, at a cost of about \$50,000.

The Trustee Security Company, it is said, intends erecting a building to be known as the Central Block, to cost \$1,500,000.

The Metropolitan Building Company has been incorporated and, it is said, propose to erect two office buildings on Union Street and Fifth Avenue, at a cost of about \$500,000. James A. Moore, Lumber Exchange, C. F. White and others are reported interested.

SHARON, PA.—Application has been made to the Directors of the United States Steel Corporation for \$2,500,000 for improvements at the Sharon and South Sharon plants. It is proposed to build a new blast furnace and ten open-hearth furnaces. The company will also install an engine at the blooming mill, to cost \$125,000.

SILVER CITY, N. M.—Press reports state that the Presbyterian Synod, including both New Mexico and Arizona, while in session at Las Cruces, appointed a committee with power to select a location and incorporate a Presbyterian Sanatorium. It is practically certain that the location will be somewhere between Albuquerque and Silver City, with preference for Silver City.

SIOUX CITY, IA.—The Directors of the First National Bank, according to reports, have directed plans to be prepared for a six-story bank and office building.

SPOKANE, WASH.—We are advised that two hundred thousand dollars will be expended by Louis M. Davenport, restaurateur, and Aubrey L. White, president of the City Park Commission and founder of the "City Beautiful" movement in Spokane in two residences, combining the features of city and country homes, surrounded by gardens, parks and drives, between Sixth and Seventh Avenues and Hilliard and McClellan Streets, where they recently acquired sites at a cost of \$25,000 each. Frederick Law Olmsted, of Boston, will prepare the plans for the grounds. The structures, for which plans will be prepared by Messrs. Cutter & Malmgren, will not be pretentious, but artistic, while the natural beauty

will be preserved on the grounds. Others who will build in this district, which is less than three-quarters of a mile from the business center, are J. L. Paine, Walker L. Bean, Charles Liftchild and W. A. Ritchie, architect.

Mrs. K. Weil, owner of the Palace store, announces that her new establishment at Main Avenue and Post Street will be six stories, 113x142 feet, the cost being \$175,000, exclusive of the site, which cost \$127,000. The building must be ready for occupancy within a year. The structure will be of steel and slow burning construction.

We are advised that one hundred and seventy-five thousand dollars will be expended by the Coeur d'Alene Brewing Company in a six-story plant, 100x165 feet, at Coeur d'Alene, Ida., 34 miles east of Spokane. The structure will be of brick, cement and steel.

Members of the congregation of Vincent M. E. Church are discussing plans to make additions to the present structure or erect a larger building.

SPRINGFIELD, MASS.—G. Wood Taylor, 425 Main Street, has prepared plans for a club-house to be erected by the Nayasset Club on West State Street, to cost \$119,000. W. H. Nevins and E. A. Carter are members of the Building Commission.

Reports state that Andrew Carnegie has given \$50,000 to the city to erect a branch library. A site at Indian Orchard has been secured.

SPRINGVILLE, N. Y.—E. E. Joralemon, of Niagara Falls, is reported to have been engaged to prepare plans for the high school which is to be erected, at a cost of about \$75,000.

STATE COLLEGE, PA.—F. J. Osterling, of Pittsburg, it is stated, has prepared plans for the engineering building which Chas. M. Schwab contemplates erecting here, at a cost of about \$1,500,000. The plans provide for two wings, one extending from the present engineering building west along College Avenue, a distance of about 600 feet, and the other north from the present building, a distance of about 500 feet. The material used is to be Hummelstown brownstone. Previously reported.

SYRACUSE, N. Y.—The Syracuse Independent Telephone Company, it is said, will spend \$450,000 in extending and improving its plant.

TACOMA, WASH.—The new hotel to be built by the Imperial Development Company, at a cost of \$6,000,000, will be conducted by John T. Donnelly, formerly of the Tacoma Hotel.

TERRE HAUTE, IND.—Architects Foltz & Parker, 28-31 Union Trust Building, it is said, will prepare plans for a three-story building for the Y. W. C. A. Mrs. I. H. C. Royle, President, Terre Haute. Estimated cost, \$50,000.

M. C. Miller, of Buffalo, N. Y., it is reported, has submitted to the Lodge of Elks, No. 86, plans for the Temple which is to be erected. The estimated cost of the building, exclusive of plumbing and heating, is \$70,000.

THOMASTOWN, GA.—The Commissioners of Upson County, propose within the next sixty days awarding the contract to erect a court-house, and would like to receive plans at once for a building to cost about \$50,000.

TOLEDO, O.—Architects Bacon & Huber,

Spitzer Building, have been retained by the Toledo Railways and Light Company to prepare plans for a 200-room hotel which will be erected at Toledo Beach, 14 miles north of Toledo, in time for the opening of next season.

The National Supply Company, manufacturers of plumbing goods and oil-well supplies, are figuring on erecting a new office building at a cost of not less than \$50,000. The offices of the company now occupy the fourth floor of the Spitzer Building, Toledo, O.

Architect H. W. Wachter, Nasby Building, is taking bids for a \$125,000 building for the Toledo Young Woman's Christian Association. Previously mentioned.

The Toledo Wheelbarrow Company will build a new factory in the western part of this city early next season. Plans will be considered for both frame and reinforced concrete buildings.

TRENTON, N. J.—Conner Bros., Lowell, Mass., were the lowest bidders for a four-story brick and stone addition, 25x130 feet, to the United States Post-office at Trenton. Cost, \$125,000.

The Junior Order of United American Mechanics Building Association (Wm. H. Miers, Trenton, Secretary) is said to be planning the forming of a stock company, with a capital of \$200,000, for the purpose of erecting an eight-story building in Trenton.

TULSA, I. T.—The Henry Kelsey College, which is to be removed here from Muskogee, it is stated, intends erecting here in all twelve buildings, three of which will be erected this year, namely, an administration building and two dormitories, which will cost about \$100,000. Previously reported.

TYLER, TEX.—The Tyler Opera House Company is reported incorporated for the purpose of erecting a \$50,000 opera house.

VIDALIA, GA.—It is said that plans have been prepared by Architect Curran Allis, 4-6 Ellis Building, Macon, for a seventy-five-room hotel to be erected for W. O. Donovan of Macon.

VIRGINIA, MINN.—The Lodge of Elks, No. 1003, it is reported, will erect a three-story lodge building.

WAPAKONETA, O.—The County Commissioners are reported to have decided to issue \$50,000 bonds to build an infirmary to replace the buildings destroyed by fire recently.

WARREN, PA.—Bids will be received until October 22 by the Building Committee, Board of Trustees State Hospital for the Insane (S. R. Waters, Secretary), for erecting three hospital buildings and a dwelling on the hospital grounds. E. A. Phillips, Architect.

WASHINGTON, D. C.—Bids are asked until 2 p.m., October 24, by Bernard R. Green, Superintendent of Construction, Office of Building for National Museum, Library of Congress, for furnishing and setting buff Bedford limestone and marble column shafts and marble bases for the screens in the rotunda of the new building for the National Museum, in this city.

WATERBURY, CONN.—Reports state that the plans for the new hotel building to be erected at the corner of Maple Street and Central Avenue have been drawn by Falcon Clark and will be accepted by the parties interested, and work will be begun on the new structure soon.

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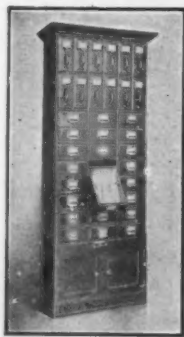
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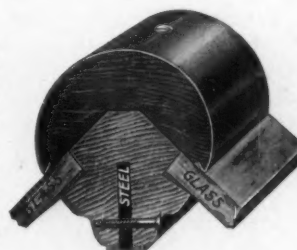
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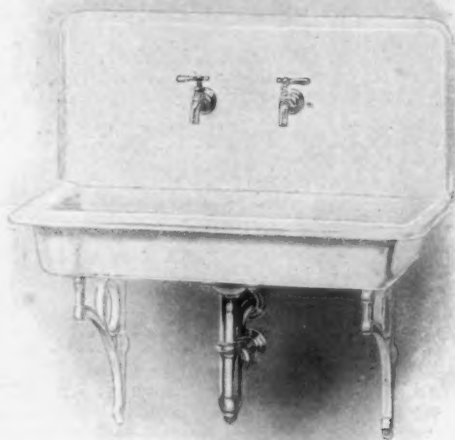
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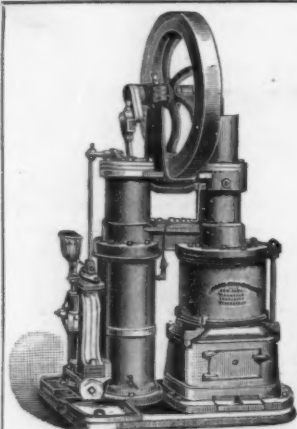
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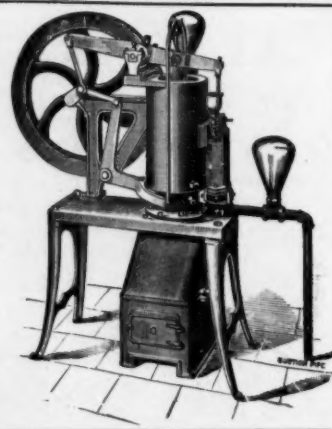
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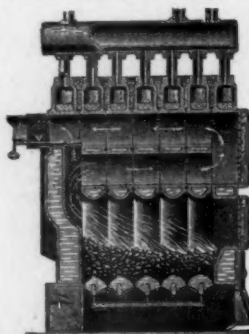
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