

ESSEX COUNTY NATIONAL BANK

NEWARK, N. J.

CLINTON & RUSSELL, Architects

PLACED just beside the Public Service Building, which was finished about a year ago, and which forms part of the Prudential group on Broad Street, Newark, the Essex County National Bank is a building with a three-story façade built up of white marble with a great bronze screen sixty feet in height which contains all the window area of the front. The portal is also of marble and frames the bronze entrance doors.

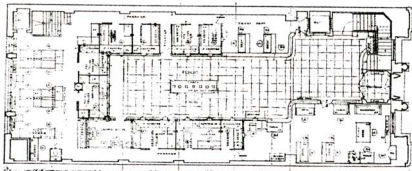
Within, the floors and counters are of marble, the screens above the counters of bronze, the sidewalls of Caen stone and the ceiling of ornamental design in white plaster. The marble of the flooring is Tennessee and the marble for the counter bases is Botticino. Besides the windows at the rear, there is a series of square ceiling lights which furnish an even illumination for the interior.

The bank directors originally contemplated a fifteen-story building and had in view a much wider plot. However, the problem finally presented was to place a banking equipment on a plot some 39 feet in width, and this was the problem which was worked out by Clinton

and Russell, architects, and Thomas Bruce Boyd, the bank engineer. The primary scheme was a one-sided bank with a front entrance to one side, but Mr. Boyd developed the horse-shoe plan with a center door. This gave good accommodation for present needs and sufficient room for expansion. The bank is planned on a unit principle and is well schemed for the efficient conduct of a banking business in the future.

In arrangement the central space is for public use, while the banking area is arranged about the walls with the office of the president immediately at the side of the entrance vestibule in front. One side is practically not used at present and provides for future expansion. The rear mezzanine furnishes a commodious space for the working force, and on the mezzanine at the front space is afforded for the directors' room, which has a balcony overlooking the interior.

The second floor occupies the whole lot area except for a central well above the skylight of the main banking room. It is reached by stairs and elevators both front and rear. This space is in-



FIRST FLOOR PLAN, ESSEX COUNTY NATIONAL BANK.

Thomas Bruce Boyd, Equipment Specialist.

Clinton & Russell, Architects.



ESSEX COUNTY NATIONAL BANK, 753 BROAD ST., NEWARK, N. J.

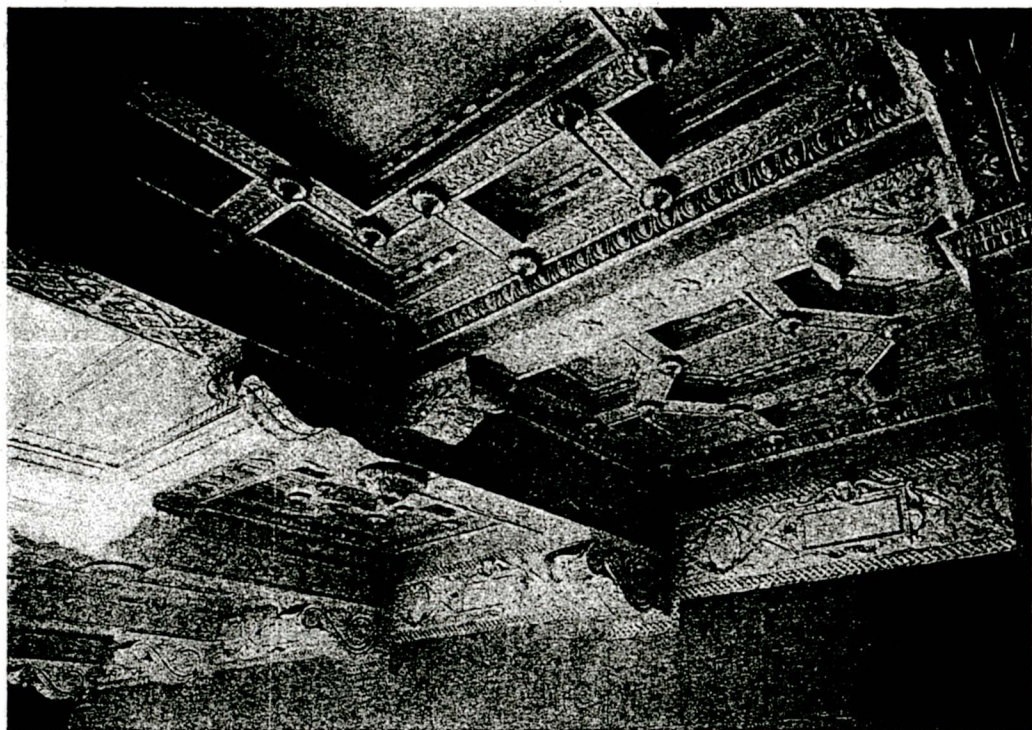
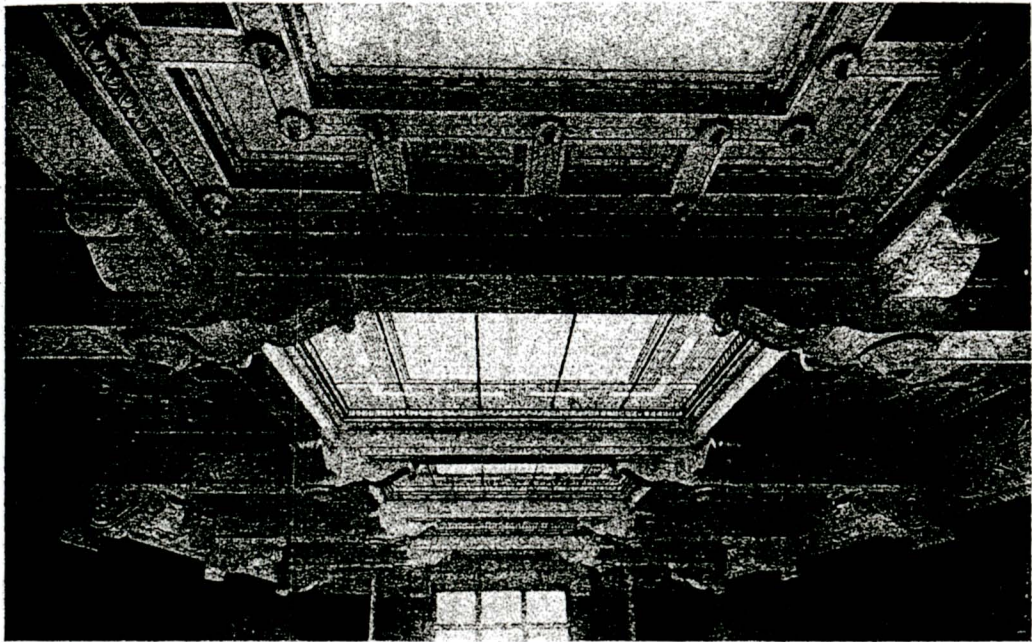
Builders: The Hedden Construction Co.

Clinton & Russell, Architects.

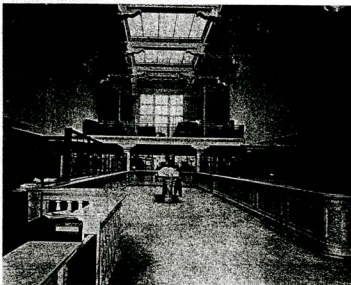
Gorton Wrought Steel Boilers.

Bronze Façade and Doors: John Polachek Bronze & Iron Co.

Bank Vault Engineer: Frederick S. Holmes.



THE RICHLY ORNAMENTAL PLASTER CEILING. ESSEX COUNTY NATIONAL BANK.
Ornamental and Plain Plastering: Dominic A. Walsh. Clinton & Russell, Architects.



MARBLE FLOOR AND COUNTERS, BRONZE COUNTER SURRENS. ESSEX COUNTY NATIONAL BANK.

Grant Overhead Pulleys.

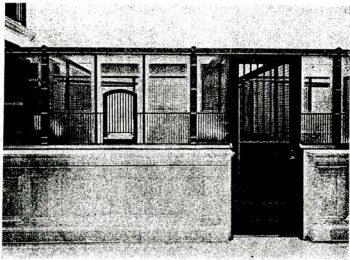
Lighting Fixtures: The Browne Co.

Secco Expansion Bolts Used.

Interior Bronze: John Polachek Bronze & Iron Co.

Chicago Spring Butts Used.

Clinton & Russell, Architects.
Equipment and Furniture Designed By
Thomas Bruce Boyd.



COUNTER DETAIL AND VIEW TOWARD THE ENTRANCE. ESSEX COUNTY NATIONAL BANK.

Lighting Fixtures: The Browe Co.
Evans' Crescent Expansion Bolts Used.

Interior Bronze: John Polachek Bronze & Iron Co.
Corbin Hardware.

Interior Marble: George Brown & Co.

Clinton & Russell, Architects.

Equipment and Furniture Designed By
Thomas Bruce Boyd.

tended for the working force of the bank.

In the basement there is a safe deposit vault of which Mr. Frederick S. Holmes is the engineer. It is so built and illuminated that the watchman on guard can inspect all sides and the bottom by means of mirrors.

The Hedden Construction Co. were the general contractors. The interior marble work was done by George Brown & Co., and the ornamental plaster ceiling was carried out by Dominic A. Walsh. The screens for the banking room and the grills and rails for the

elevator shaft and balconies are of bronze cast by the John Polachek Bronze and Iron Co. This firm also produced the bronze window frame work of the exterior. The Browe Co. made the lighting fixtures. Besides being instrumental in the planning of the bank, Mr. Boyd also designed the furniture and banking equipment.

The heating plant consists of two Gorton wrought steel boilers set in twin connection so that they can be run separately or together. Each boiler has a capacity for heating 3,950 square feet of direct radiating surface.

STANDPIPE AND HOSE SYSTEM IN BUILDINGS

Being Portions of the Report of the Committee on Standards
of the National Fire Protection Association.

W. C. ROBINSON, Chairman

MR. ROBINSON'S report is valuable in that it presents a concise statement of the requirements of standpipe and hose equipments. The matter published herewith comprises about one-third of the report and contains much valuable general information which should be useful to the structural engineer.

STANDPIPE AND HOSE SYSTEMS

Your Committee on Standards has given consideration to the subject of standpipe and hose systems during the past year, with a view of formulating rules and requirements sufficiently comprehensive to warrant their adoption as a standard for all classes of buildings.

Next to the automatic sprinkler equipment a well-designed, properly equipped and reliably maintained stand-pipe system constitutes the best means for the extinguishment of fire in buildings. Each of these equipments is capable of furnishing a class of service of which the other is incapable, and in most instances they may be made to serve as components of each other.

At the outset the preparation of a standard for standpipes was found to be much more complex and difficult than anticipated. The subject is somewhat complicated by the great difference in municipal requirements, and in the opinions relative to the value of standpipe and hose systems as a means of fire extinguishment, but the existing requirements are usually so general in character that a comprehensive standard can probably be made to include all of their good features.

The Committee has confined its efforts to the consideration of inside standpipe and hose systems in which the water pressures can be maintained at all times. Standpipes for installation on the exterior of buildings and standpipes subject to freezing and in which the water cannot be maintained will also require careful consideration. As a result of the investigations made, the subject has been divided into the subdivisions indicated by the general headings in this report. An attempt has been made to include under each division all of the more essential features which require special consideration, particularly those relating to installation, use and maintenance. No attempt has thus far been made to formulate definite requirements or specifications, but it is hoped that the various items have been