

Architectural Thesis

Designs

—  
Texts

B. S.

1901

Learning and Labor.

LIBRARY

OF THE

University of Illinois.

CLASS.

BOOK.

VOLUME.

1901

Arz

Accession No.

The person charging this material is responsible for its return to the library from which it was withdrawn on or before the **Latest Date** stamped below.

**Theft, mutilation, and underlining of books are reasons for disciplinary action and may result in dismissal from the University.**

UNIVERSITY OF ILLINOIS LIBRARY AT URBANA-CHAMPAIGN

L161—O-1096



# A TWELVE ROOM SCHOOL BUILDING

BY

FREDERICK PHILLIPS PATRICK

THESIS

FOR DEGREE OF BACHELOR OF SCIENCE  
IN ARCHITECTURAL ENGINEERING

COLLEGE OF ENGINEERING  
UNIVERSITY OF ILLINOIS

1901



UNIVERSITY OF ILLINOIS

June 7, 1901 190

THIS IS TO CERTIFY THAT THE THESIS PREPARED UNDER MY SUPERVISION BY

Frederick Phillips Patrick

ENTITLED Twelve Room School House

IS APPROVED BY ME AS FULFILLING THIS PART OF THE REQUIREMENTS FOR THE DEGREE

OF Bachelor of Science in Architectural Engineering.

*N. Clifford Ricker*

HEAD OF DEPARTMENT OF Architecture.





## A TWELVE ROOM SCHOOL BUILDING

This building has been planned for a north frontage on a lot about four hundred feet square. Twelve school rooms were required together with offices, libraries and toilet rooms as deemed necessary for the size of the school.

There are three public entrances to the building. The one in the center of the front is the main entrance and leads to the first floor. The two end entrances are at grade and lead by short flights of stairs either down to the basement or up to the first floor. There is also a rear basement entrance to the boiler room.

The building is three stories above a high basement and of the twelve school rooms five are placed on the first floor and seven on the second floor. As far as consistent with the plan, the rooms have been made twenty-five feet wide and thirty-two feet long and are intended to seat forty-eight pupils, but the two southwest rooms are only twenty-five by thirty feet six inches. They will, however, seat forty-eight pupils each. The two rooms in the middle front of the second floor are twenty-two feet wide by thirty-two feet six inches and seat forty pupils each. The full seating capacity of the building is five hundred and sixty.

Besides the five school rooms on the first floor there are a principal's office, a library, a teachers' room and two toilet rooms. The principal's office is just to the left of the main entrance and there is a principal's private toilet room off the corridor leading to the boys' toilet room on the first floor. The library is just to the right of the main entrance. The teachers' room is just across the hall and has in connection with it a coat room and a toilet room.



Digitized by the Internet Archive  
in 2013

<http://archive.org/details/twelveveroomschool00patr>

On the second floor there are besides the seven school rooms a teachers' room with coat and toilet rooms and toilet rooms for boys and girls.

Only the middle portion of the building is carried up three stories. The third floor is all one large assembly hall with a small stage in the south end and dressing rooms at each side. There are two stairways in the opposite ends of the building running in two flights to each story from the basement to this floor.

The toilet rooms for boys are in the east end of the central portion of the building and those for girls are in a similar position at the west end. They are separated from the main halls by well lighted and ventilated corridors and are arranged in two vertical stacks so that the plumbing is bunched as much as possible.

In the basement there are play rooms for boys and girls, a manual training room, a kindergarden room and bicycle rooms. There are bicycle runways down from each of the end entrances.

The building is heated by the blower system and the fan, coal and boiler rooms are centrally located in the basement.

The exterior of the building is faced with stone through the basement story and with pressed brick above. All interior supporting walls are of brick while other partitions are of hollow tile.





