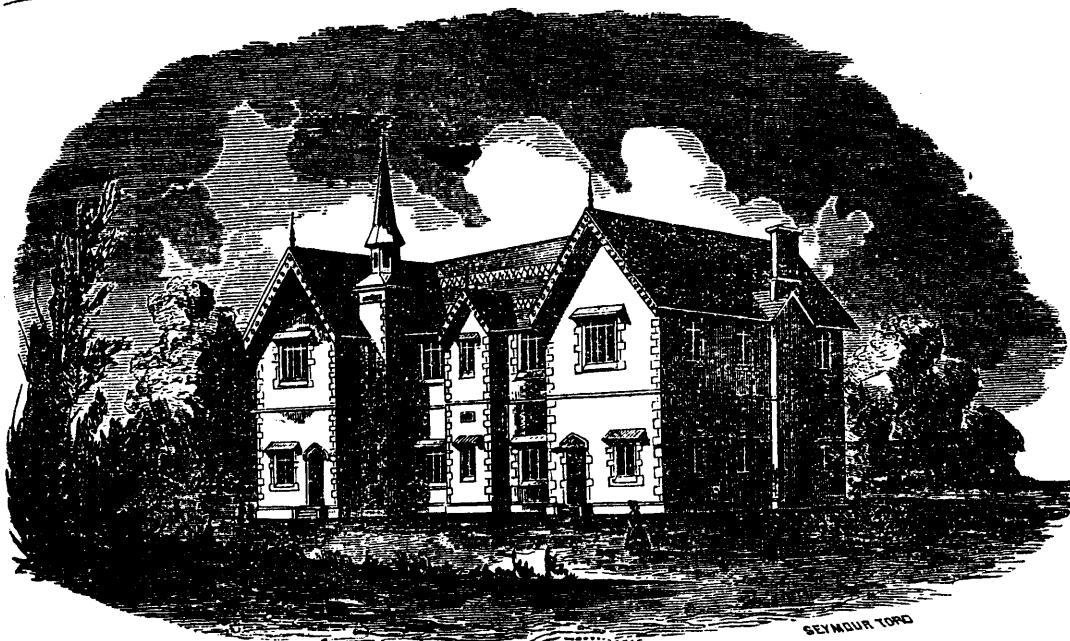
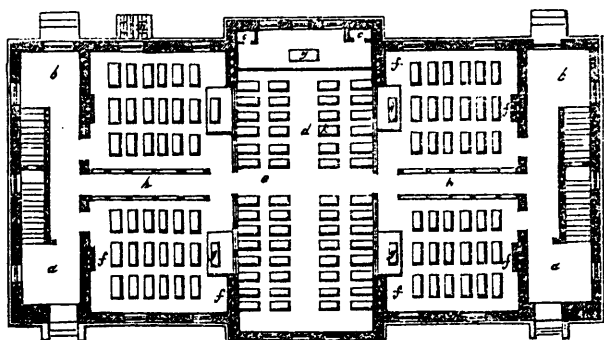




PERSPECTIVE VIEW OF THE BRICK SCHOOL HOUSE, SIMCOE, COUNTY OF NORFOLK.—FIG. 4.

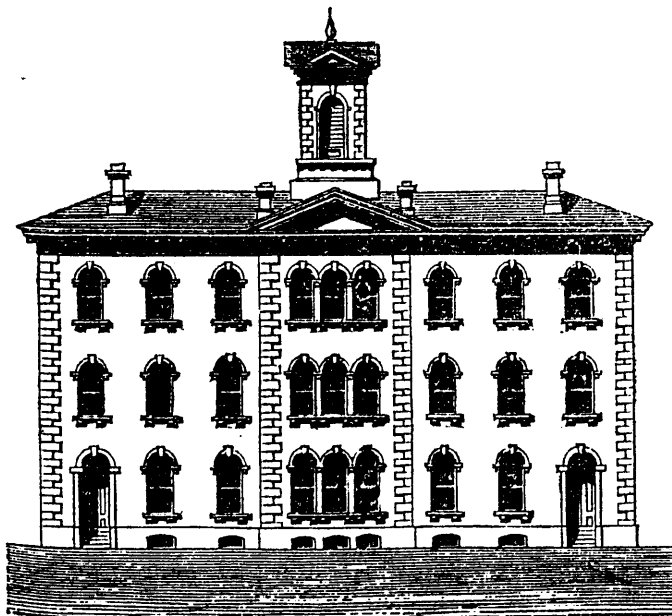
The first story is for girls, the second for boys, and is nearly similar to the first story; both open directly into the yard at the back of the building, and neither of them into the street; but a gate should lead from them to the street.

The plan of the first floor, which is adapted to figures 4 and 6, is as follows (See also fig. 20, on page 23):—



PLAN OF THE FIRST STORY FLOOR.—FIG. 5.

- a. Boys' entrance and stairs to second and third stories.
 b. Girls' entrance and clothes rooms.
 c. Closets on the teachers' platforms.
 d. First Master's class room and passage 3 ft. wide.
 e. First Master's class room and passage 3 ft. wide.
 f. Flues for warm air or gas, and ventilation.
 g. Master's Desk.
 h. Passage three feet wide.



GEOMETRICAL ELEVATION OF A CENTRAL OR HIGH SCHOOL.—FIG. 6.

SPECIFICATION.—This plan represents a building 47 x 92 feet three stories high, first and second fourteen and third thirteen feet each in the clear; pitch of roof seven feet, and height of the first floor two feet six inches.

This building is three stories high, divided into class rooms, separated by glass partitions, the first story being for girls, and the second for boys. It is intended to be of stone and stuccoed; but if brick is more economical, it would answer equally well.

In this building the two transverse partitions are to be supported by piers in the cellar, the girders to bear on the top of the piers and the walls of the flank; and the joists, arranged longitudinally, to be doubled under the other glass partitions. If the building should be built

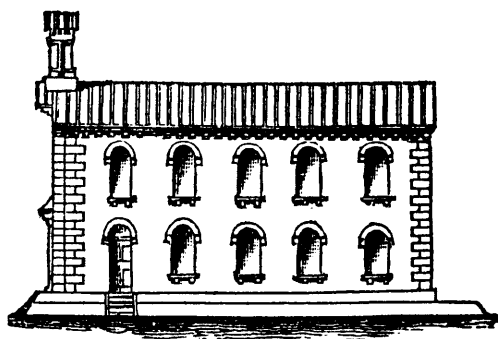
of stone, the walls will be—cellar 24, first story 22, and the second 20 inches thick; but if of brick, they will be respectively 24, 22, and 18 inches thick. The doors and window sills, and the platforms and steps, are to be of cut stone.

The fourth plan (Fig. 8, next page) is that of one of the City Schools of Toronto. It is a pleasing design, and compact in its appearance.

In 1854, the Board of Trustees for the City of Toronto, erected three School-houses similar to the above in the city. Others of a different construction were erected at other times. This building will accommodate near 500 pupils. The cost of this building, including fittings, etc., was \$12,000. The plan of the interior arrangement, seats, etc., has not been published. It, however, includes the recent improvements as detailed in the accompanying diagrams. Play-yard and sheds are in the rear.

The fifth (Fig. 9) is a neat perspective view of a good sized two-story building. The dimensions of the building are 62 feet by 44 on the ground. It is built of brick. Each room is ventilated by openings, controlled by registers, both at the floor and the ceiling, into four flues carried up in the wall, and by a large flue constructed of thoroughly seasoned boards, smooth on the inside, in the partition wall. The whole building is uniformly warmed by two furnaces placed in the cellar. Every means of cleanliness are provided, such as scrapers, mats, sink with pump, wash-basin, towels, hooks for outer garments, umbrella-stands, &c.

The sixth plan (Fig. 7) is the reduced drawing of a large two-story building, with side and front entrances, designed for a Grammar or



SIDE ELEVATION OF A BRICK GRAMMAR SCHOOL-HOUSE.—FIG. 7.

High School. It is a very chaste and ornamental building, and in excellent keeping with the correct proportions requisite in a School-house of this description.

The seventh plan (Fig. 10) is that of a very neat battened School-house, designed for a small village or rural school section. The plan is designed for sixty-four pupils. This building will be found convenient and ornamental when properly surrounded with trees, shrubbery, &c.