

DEPARTMENTAL BUILDINGS.

Eastern Block.—The 4-inch main from the east end of the Parliament Building, passes along the rear of this Block, and enters through the north wall of the boiler-house. It is then carried along the east wall, and curves through an arched opening on the south side into an adjoining room, whence it is continued along the basement floor, and to the north wall of the main tower. It rises vertically from this point to the attic, passing through the wall by an arched opening, and empties into the tank placed in this tower, immediately over the main vestibule.

This tank is 18 feet diameter, 10 feet deep, and is supported on two built girders, resting on two brick arches, springing from the angles of the main tower.

There is also a tank in the north-west tower, over the Executive Council entrance, this is 12 feet diameter at bottom, and 12 feet 6 inches at top, and 7 feet deep; and is also supported on brick arches. That in the east tower, Agricultural wing, is oval, 113 square feet horizontal area, 10 feet 8 inches deep, and supported in a similar manner. The tops of these three tanks are on the same level, and 23 feet lower than those of the Parliament Buildings. Their aggregate capacity is 27,500 gallons. They are all joined by 2-inch independent pipes, for equalizing the levels of the water in them, and are also connected by 4-inch pipes, from which the water is distributed to the various wash-basins, closets, &c., throughout the building.

In the receiving tank there is a 4-inch stand or overflow pipe, and a regulating slide valve, moved by a float, which cuts off the supply when the cistern is full. There is also a 2-inch stand pipe in each of the other tanks, which, when removed, admit of their being emptied.

A 4-inch waste leads from the main tank, and is joined in the attic by a 2-inch branch from each of the others. This is carried down alongside of the supply pipe—leads over the top of the reserve tank—and descends along the east wall of the boiler-house to the main drain.

The wastes from the various wash-basins connect with a 4-inch pipe running along the basement ceiling. This dips towards four points, where it is tapped by pipes of similar diameter, connecting with the outside drains.

There are eleven hydrants in this Block, situated as follows:—

Attic.—One at east entrance to model room; one under tank in main tower; one at head of stairs from Governor General's entrance; one under tank in north-west tower.

First Floor.—One in small room adjoining model room, Agricultural wing; one in Attorney General's messengers' room; one over Executive Council entrance.

Ground Floor.—One in Receiver General's messengers' room; one in Minister of Finance messengers' room; one in Provincial Registrar's messengers' room.

Basement.—One in room leading to boiler-house.

Western Block.—The main 4-inch pipe from the west end of the Parliament Building passes into the north side of the boiler-house for this Block, whence it is curved into the tank room alongside. It passes over the top of the tank, and is continued to the north side of the corridor, near the south-east angle tower, where it ascends vertically to the ceiling of the attic. It is conducted from thence to the receiving tank in this tower, which is 12 feet diameter at bottom, 12 feet 6 inches at top, and 7 feet deep, with a regulating valve and float, similar to that described for the Eastern Block.

There is a tank of similar dimensions in the south-west angle tower. Both of these are 8 feet lower than those in the Parliament Building, and are furnished with stand-pipes which either serve as overflow, or, when removed, admit of the cisterns being drained.

The tanks are connected by an independent 2-inch pipe, and also by a 4-inch pipe for distribution: the latter is continued northward to the end of the quadrangle front. From these the wash-basins, closets, &c., on both fronts, are supplied.