

"TORONTO" HYDRANT.

This hydrant is of the conical valve type, and is of cast iron with bronze mountings and leather faced valves. The inlet or water supply is controlled by a cone shaped valve, with solid, oak-tanned leather facings, thoroughly hammered and pressed, then turned on its own centres to fixed gauge, and consequently interchangeable. This valve is operated from the top of the hydrant post by a bronze nut and short spindle with a threaded bronze link at its lower end,

engaging with an iron extension rod which is secured to the valve as shown in the sectional drawing.

The waste valve is positively automatic, being attached to the valve rod so that when the main valve is open the waste must be closed, and when the main valve is closed the waste is open, allowing the waste water to escape from the stand pipe.

All hydrants of the "Toronto" type are fitted with an outside casing or frost case, which makes a telescopic joint with the body or post of the hydrant. Below the ground line it serves to form a dead-air chamber around the body, affording great security against freezing, and especially adapting the hydrant for service in cold climates.

The outside case has an end play or vertical motion of several inches, and accommodates itself to the upheavals of the ground by frost, thus preventing any injury to the hydrant proper or foot bend.

In this type of hydrant we wish to draw special attention to the case with which all the working parts may be removed for repair or examination, without disturbing the ground or foot pipe.

The valve seat is directly attached to the hydrant barrel or post and this in turn is screwed into the foot pipe. The outside casing being entirely independent, the main portion, including the waste valve, may be removed at will.

The posts are of handsome design. The nozzles are of bronze with male hose threads, and have iron nozzle caps and chains. The stuffing box is of bronze with screw packing nut. The operating or rod nut, and nuts for the nozzle caps, are made to fit the same wrench, and these, together with the hose nozzle thread

"TORONTO" HYDRANT
TWO-WAY, WITH
FROST CASE AND
FOOT PIPE.

gauge, are made to conform to the standard of the system in which the hydrants are to be used.

We furnish these hydrants with hub, flange, screw, or spigot ends, and can provide them with steamer nozzle if required.

Our "Toronto" hydrant is easy of operation and free from water hammer. Has a perfect drip. Unless otherwise ordered all hydrants *turn to the left to open*. These hydrants are made either "two-way," "three-way" or "four-way," with or without independent gates.



SECTIONAL VIEW
"TORONTO" HYDRANT