

# Canada Foundry Company Limited

WATERWORKS SUPPLY DEPARTMENT.

## Bulletin No. 4.

### GATE VALVES AND FIRE HYDRANTS.

Our standard valves are of the double faced solid wedge plug type having a straightway passage the full diameter of the connecting pipe which is the simplest and strongest design for general purposes. The smallest number of working parts are required and the least resistance is offered to the passage of the fluid.

They are made in all sizes from 2 inch upward for any pressure desired. The materials used are of the highest grade and the workmanship is unsurpassed.

The gate or plug is in one piece made wedge-shaped or tapering, heavily braced or ribbed and closes vertically between two inclined seats or surfaces in the body. To ensure perfect alignment with the spindle or stem, the plug is guided by ribs or splines in the body which engage with grooves in the edges of the plug to prevent it from turning, coming in contact with the seats, or chattering when opening or closing. These ribs are of unequal width to prevent the plug from being inserted wrongly after removal for repairs or otherwise.

The plug is double faced and either end of the valves may be used for inlet or outlet as desired.

The shell is made in two pieces, the body and the cap, put together with screw or with bolted flange joint.

The ends of the valves may have flange, screw, hub, or spigot connections, or any combination of these. Screw ends are recessed to prevent the pipe from bottoming, and American standard pipe threads are used unless otherwise ordered.

With reference to the main spindle, valves are of two kinds, viz., **inside screw** or stationary spindle, and **outside screw and yoke** and rising spindle.

In the inside screw valves (Fig. 1) the spindle revolves but does not rise, being held vertically by a

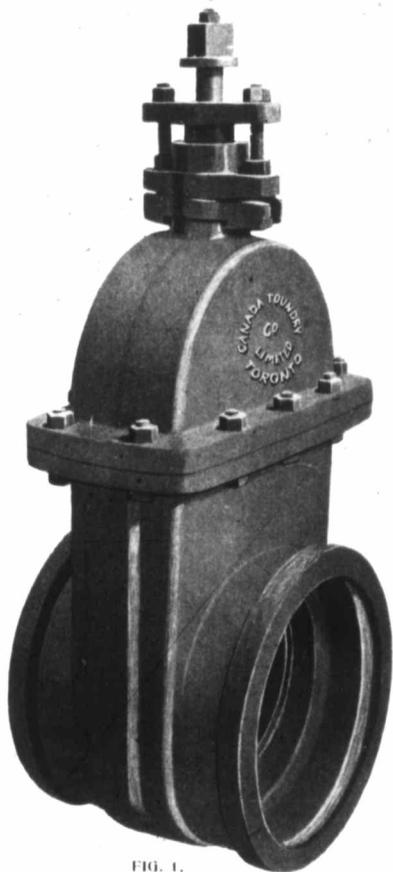


FIG. 1.  
BRONZE MOUNTED HUB END GATE VALVE.