

and cap the old valve. The extra heavy globe and angle valves in the larger sizes for high steam pressures should be fitted with internal by-passes.

(Fig. 7.) There is nothing in particular to be said of the angle gate valves. They save a fitting and are very handy where space is limited. They are used on boiler headers, etc. The same construction is used as in the straightway.

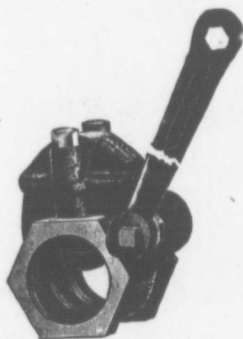


Fig. 6.—"Handy" Gate Valve

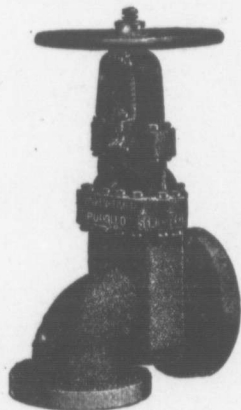
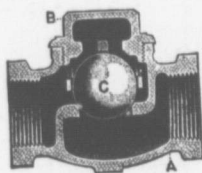
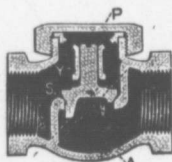


Fig. 7.—Angle Gate Valve

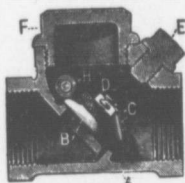
The next type of stop valve is the check. (Fig. 8.) This class is divided again into *Swing Check*, *Ball Check*, *Lift Check*. These are made from 1-8 in. to 4 in. in bronze and from 2 in. to 12 in. in Iron Body Bronze Mounted in both screwed and flanged ends and for a variety of pressures and temperatures. The swing check may be used in either a horizontal or vertical position and in the other styles there are horizontal, angle and vertical patterns. The swing check is the most approved type as it gives longest service and can be easily re-ground on the pipe



Ball Check Valve



Horizontal Check Valve.



Swing Check Valve. Sectional View.

Fig. 8.—Showing the different types of Check Valves.