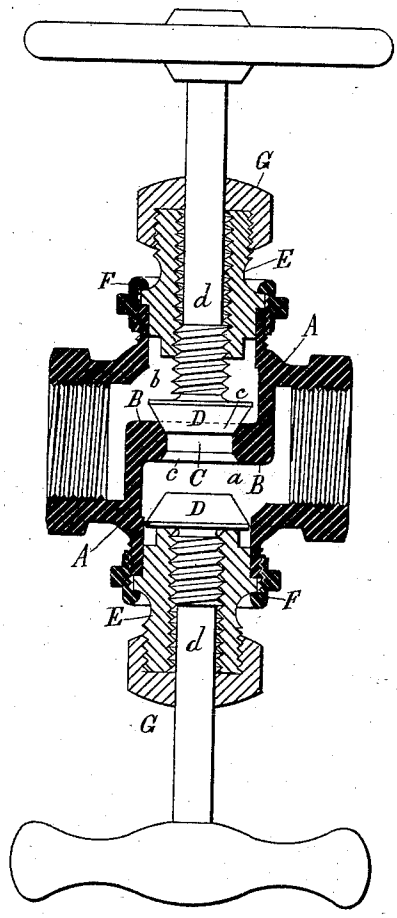
(No Model.)

F. H. HAMBLETON.

GLOBE OR STOP VALVE.

No. 277,713. Patented May 15, 1883.



WITNESSES

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UNITED STATES PATENT OFFICE.

FRANCIS H. HAMBLETON, OF BALTIMORE, MARYLAND.

GLOBE OR STOP VALVE.

SPECIFICATION forming part of Letters Patent No. 277,713, dated May 15, 1883.

Application filed March 17, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS H. HAMBLETON, of the city of Baltimore, and State of Maryland, have invented certain Improvements in Globe or Stop Valves, of which the following is a specification.

This invention relates to certain improvements in that class of globe or stop valves in which two valves susceptible of independent movement are employed, and in which either one may be used to control the communicating aperture in the partition-plate, dividing the interior of the shell into two chambers or compartments.

In globe or stop valves of this class heretofore constructed the valves have invariably been dissimilar, and each adapted for a special and distinct purpose, and in the fitting up of such stops different tools have to be employed to bring the valves to the proper size and adapt the seats for their reception. My improved stop-valve is one in which the valves have a common office—that is to say, they are both adapted for the same purpose; and the object in employing two valves is to have a reserve valve in case either one becomes unfit for use by the cutting of its face or seat, thereby causing leakage.

My invention consists, therefore, not broadly in the employment of two independent valves, but in the combination, with the partition-plate having two conical valve-faces corresponding in diameter, and angular of taper, of two conical valves of the same size, which may be applied indiscriminately to the seats in the construction of the stop.

The accompanying drawing, forming a part hereof, is a sectional view of the improved stop.

A is the shell, and B the partition-plate, having the central aperture, C, which divides the interior of the shell into the two chambers *a* and *b*. The partition B has two conical valve-seats, *c*, which are identical in size and shape.

D D are the valves, which correspond in all essential particulars, and these valves are connected to or they form a portion of the threaded stems *d*.

E E are threaded nuts connected to the shell A by means of glands F.

G G are the packing-caps, which, together with the nuts and glands, embody no part of my invention.

It is intended to use either valve to control the aperture C in the partition B until it leaks, the other valve being withdrawn and held removed from the partition and in reserve. When the operative valve becomes impaired in efficiency or useless, it is withdrawn and the other one employed in its stead.

In fitting up this stop standard tools are employed to construct the valves, nuts, glands, and caps, so that the same parts may correspond, and may be used in putting the stop together indiscriminately or without special selection. The manufacture is therefore simplified and cheapened, as will be apparent.

I claim as my invention—

A stop-valve having the central partition-plate provided with two conical valve-seats of a common diameter and angle of inclination, combined with two screw-valves corresponding in size and angular face, substantially as and for the purpose specified.

FRANCIS H. HAMBLETON.

Witnesses:

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