No. 829,485. PATENTED AUG. 28, 1906.

J. O'MEARA.

VALVE.

APPLICATION FILED MAY 2, 1905.

Fig. 1.

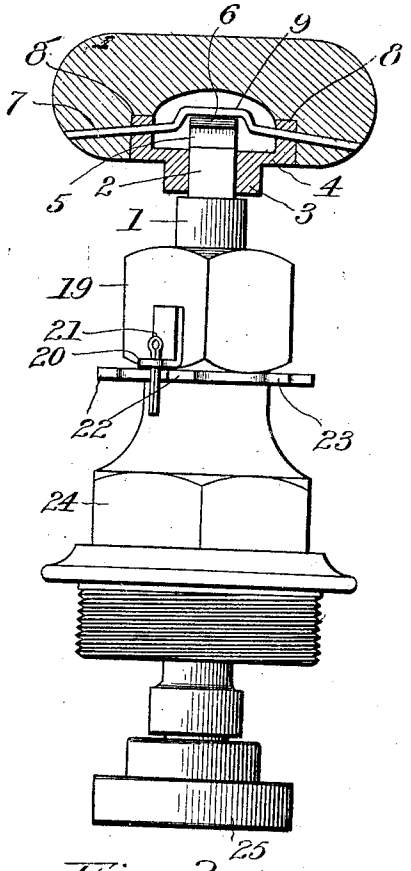


Fig. 2.

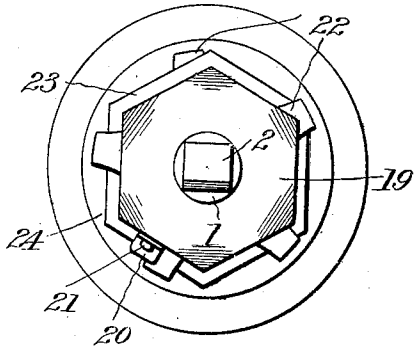


Fig. 3.

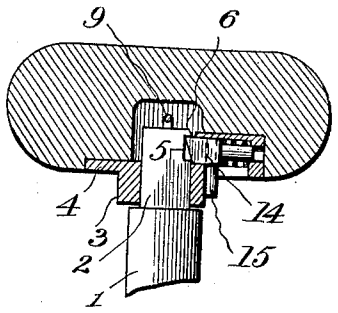


Fig. 4.

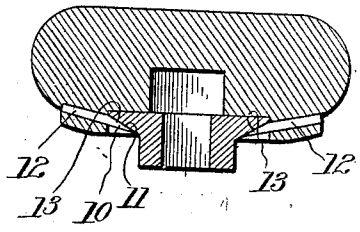
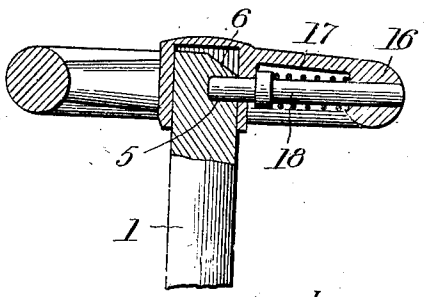


Fig. 5.



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VALVE.

No. 829,485. Specification of Letters Patent. Patented Aug. 28, 1906.

Application filed May 2, 1905. Serial No. 258,497.

To all whom it may concern.

Be it known that I, JEREMIAH O'MEARA, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Valves, of which the following is a full, clear, and exact description.

The object of the invention is to provide a simple means to prevent the running off of the gland on the bonnet.

In the accompanying drawings, illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is a side elevation and partial cross-section illustrating the two features of the invention. Fig. 2 is a top plan view of Fig. 1 with the knob or wheel removed. Fig. 3 is a transverse section of the knob and spindle connection, taken at right angles to the section in Fig. 1. Fig. 4 is a transverse section of a modification. Fig. 5 is a transverse section of a metal knob or wheel capable of use with the invention.

The spindle 1 may be of any approved construction, having a squared portion 2, which is adapted to fit into a socket member 3 of the knob-plate 4, and this squared portion is provided with a notch 5 and preferably has an inclined leading end 6. The plate 4 may be secured to the knob in any suitable way, but I prefer to run a wire 7 transversely through the knob and the plate-lugs 8 and then deflect the wire, as at 9, between the lugs, so as to prevent the withdrawal of the pin. In this way the plate 4 may be secured to the knob by a concealed fastening. Instead, however, of securing the knob or wheel to the plate in the manner above described I may, as shown in Fig. 4, use a socket-plate 10, having a beveled edge 11, and this beveled edge coöperates with pins or tacks 12, driven obliquely through the knob or wheel and having beveled points 13, which bear upon the beveled edge of the plate to hold the plate in place on the knob, or, in other words, to unite the knob and plate in a substantially concealed way. The invention is not limited, however, to the employment of any particular means for securing the plate and knob or wheel.

The knob is provided with a concealed spring-latch 14, the nose of which coöperates with the notch 5 of the spindle to lock the knob or wheel on the spindle. This latch is provided with a thumb-piece 15, by which it may be retracted, so as to disengage from the spindle whenever it is necessary to detach the knob or wheel from the spindle.

As shown in Fig. 5, when the knob or wheel 16 is of metal and of spoke form one of the spokes 17 may serve as a blind, within which is arranged the spring-latch 18, adapted to coöperate with the notch 5 in the spindle 1.

By means of the beveled leading end 6 the knob or wheel may be sprung onto the spindle by virtue of the fact that this beveled leading end will displace the spring-latch temporarily to permit the passage by it of the spindle.

19 is a gland or nut having a bracket 20, in which is arranged a pin, such as a cotter-pin 21, which is adapted to engage any one of the teeth or projections 22 of a top flange 23 on the bonnet 24, so as to prevent the running off of the nut or gland by the repeated rotations of the valve-stem.

The valve-disk 25 may be of any usual or preferred construction, preferably packed and connected with the spindle in any desired way.

What I claim is—

A valve, having a bonnet provided with a toothed flange at its top, combined with a gland having a depending pin adapted to engage any one of the teeth of the flange to prevent the gland from being run off.

In testimony whereof I have hereunto set my hand this 27th day of April, A. D. 1905.

JEREMIAH O'MEARA.

Witnesses:

WALTER L. CLARK,

M. B. CLARK.