

(No Model.)

W. JAMEISON.
COMPRESSION BALL COCK.

No. 421,573.

Patented Feb. 18, 1890.

Fig. 1.

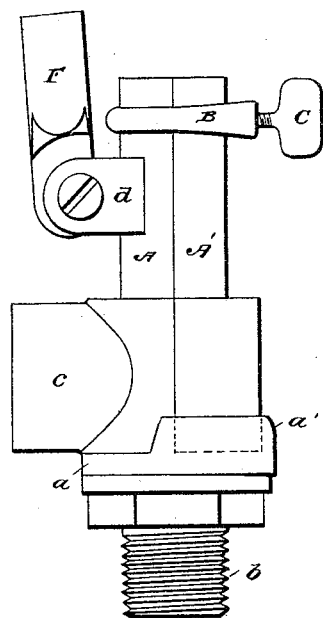


Fig. 2.

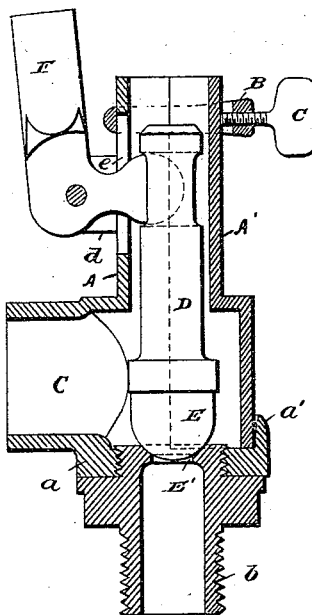


Fig. 3.

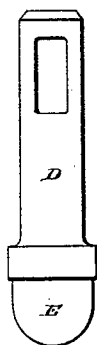
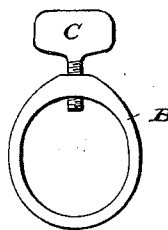


Fig. 4.



WITNESSES:

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COMPRESSION BALL-COCK.

SPECIFICATION forming part of Letters Patent No. 421,573, dated February 18, 1890.

Application filed August 23, 1889. Serial No. 321,746. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM JAMEISON, a citizen of the United States, residing at Saratoga Springs, in the county of Saratoga and State of New York, have invented certain new and useful Improvements in Compression Ball-Cocks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in compression ball-cocks for tanks, and more especially to the improved construction of the shell or casing in which the valve is located and operated.

The object of the invention is to provide means for obtaining more ready access to the spindle carrying the valve; and to the accomplishment of that end the invention consists in a divided shell or casing and in means for holding the sections in place, as will be hereinafter fully described and specifically claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a view in elevation; Fig. 2, a vertical section; Fig. 3, a detail of the spindle and valve, and Fig. 4 a view in detail of the ring and set-screw employed for holding the two sections of the shell in place.

Like letters refer to like parts in each view.

In the drawings, the shell or casing for the valve-carrying spindle is shown as formed of two sections A A', the former consisting of a circular base-piece *a*, into which the nozzle *b* for the inlet-pipe is screwed, and an upright section, in which latter the discharge-orifice *c* is formed. The upright portion of section A is also provided at points near its upper end with bearing-brackets *d*, one of which is located upon each side of an opening *e*, Fig. 2. The remaining section A' of the casing consists of an upright section enlarged at its lower end to correspond to the lower end of section A and arranged to be surrounded by an upturned flange *a'*, with which the circu-

lar base-piece of section A is provided. This construction is provided for the purpose of holding the lower ends of the sections together. To hold the upper ends of the sections, I provide a ring B, preferably of the form shown in Fig. 4, and provided with a screw-threaded opening, through which a thumb-screw C is adapted to be passed, the arrangement of parts being such that the inner end of the screw C will impinge against the section A' and force the two sections closely together.

D represents the spindle; E, the valve; E', its seat, and F a suitable lever connected with spindle D and pivoted between brackets *d*, hereinbefore referred to, such parts being of well-known construction.

The manner of using the device will be readily understood, and is as follows: When it is desired to gain access to the interior of the shell for the purpose of adjusting the packing or for any other purpose, the thumb-screw is turned sufficiently to allow of the removal of the ring, after which the section A' of the casing can be removed. When desired, the section A' may be replaced in position, the flange *a'* holding it in position until the ring can be replaced and the screw turned to hold the upper ends of the sections.

What I claim is—

1. In a compression ball-cock, a casing consisting of two sections, one provided on its lower end with an upturned flange arranged to surround the lower end of the remaining section, in combination with a ring and screw for holding the parts together, as set forth.

2. In a compression ball-cock, the combination, with sections A A', the former provided with flange *a'*, of ring B and thumb-screw C, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM JAMEISON.

Witnesses:

EDWARD A. BAKER,
FRANK W. DEUEL.