

J. DOWLING.
Steam-Cock.

No. 206,937.

Patented Aug. 13, 1878.

Fig. 1.

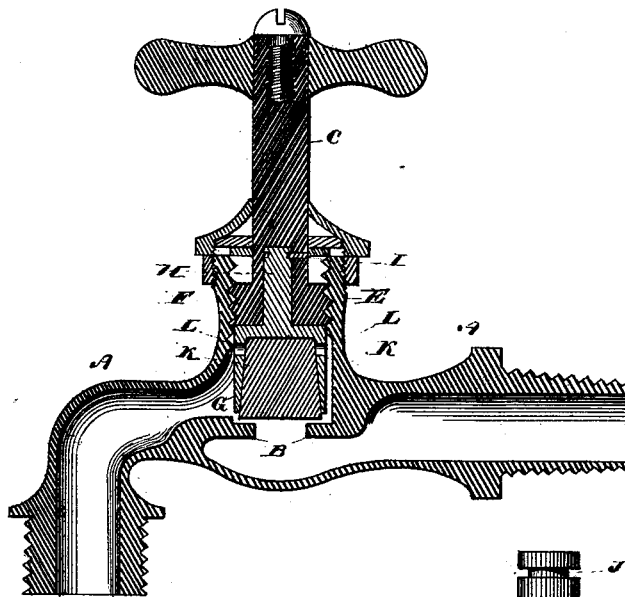


Fig. 3.

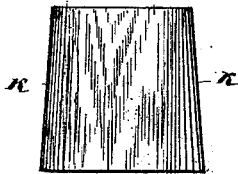
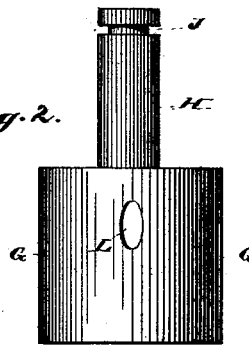


Fig. 2.



Witnesses.

Albin M. Long.
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Per H. A. Hoff.
Atty

UNITED STATES PATENT OFFICE.

JOHN DOWLING, OF PLYMOUTH, PENNSYLVANIA, ASSIGNOR OF ONE-HALF HIS RIGHT TO JAMES LEE, JR., OF SAME PLACE.

IMPROVEMENT IN STEAM-COCKS.

Specification forming part of Letters Patent No. 206,937, dated August 13, 1878; application filed July 12, 1878.

To all whom it may concern:

Be it known that I, JOHN DOWLING, of Plymouth, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Steam-Cocks; and I do hereby declare that the following is a full, clear, and exact description thereof.

This invention relates to certain improvements in steam and other cocks; and the invention consists in the construction and arrangement of parts, which will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and arrangement, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figure 1 is a central vertical section. Fig. 2 is a view showing the thimble, and Fig. 3 is a view of the wooden valve.

In the accompanying drawing, A represents the stock of an ordinary steam or other cock, constructed with a valve-seat, B, as shown in Fig. 1 of drawing.

The valve is operated by a stem, C, which passes down through the cap D of the vertical chamber E. The lower end of the valve-stem is provided with a disk, F, the periphery of which is provided with screw-threads, that mesh with correspondingly-shaped threads on the inner periphery or side of the vertical chamber E.

The thimble G is constructed with a stem, H, which passes up through the disk F into the

valve-stem C, and is held in place by a pin, I, which engages with the groove J at the upper end of the thimble-stem H, as shown in Fig. 1 of drawing.

Within the thimble G is arranged a wooden plug or valve, K, the grain of the wood being vertical or at right angles with the valve-seat B. The valve K projects beyond the lower edge of the thimble G, and forms the bearing-surface of the valve, as shown in Fig. 1 of drawing.

The thimble G is provided with an opening, L, on opposite sides, to facilitate the removal of the valve for repairs, or to be replaced by a new valve.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A steam-cock having a wooden valve arranged with the grain of the wood vertical or at right angles with the plane of the valve-seat, as set forth.

2. In a steam-cock, a thimble, G, constructed with a stem, H, having a groove, J, substantially as described, in combination with the wooden plug K, arranged with its grain extending vertically up into the thimble, as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN DOWLING.

Witnesses:
J. W. ENO,
J. V. PERSE.