

A. J. & T. McKenna,

Cock,

No 61,015,

Patented Jan. 8, 1867.

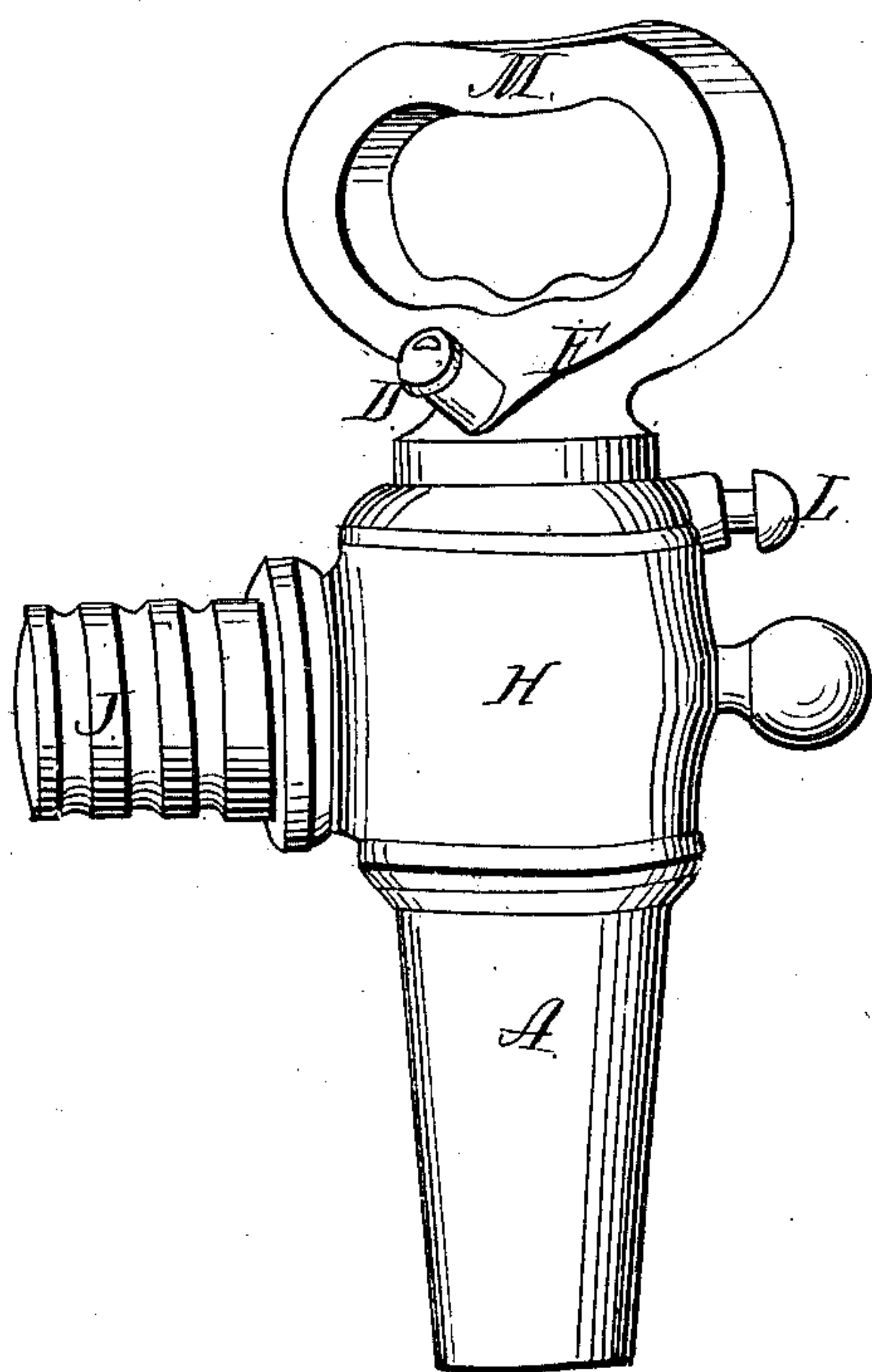


Fig. 1

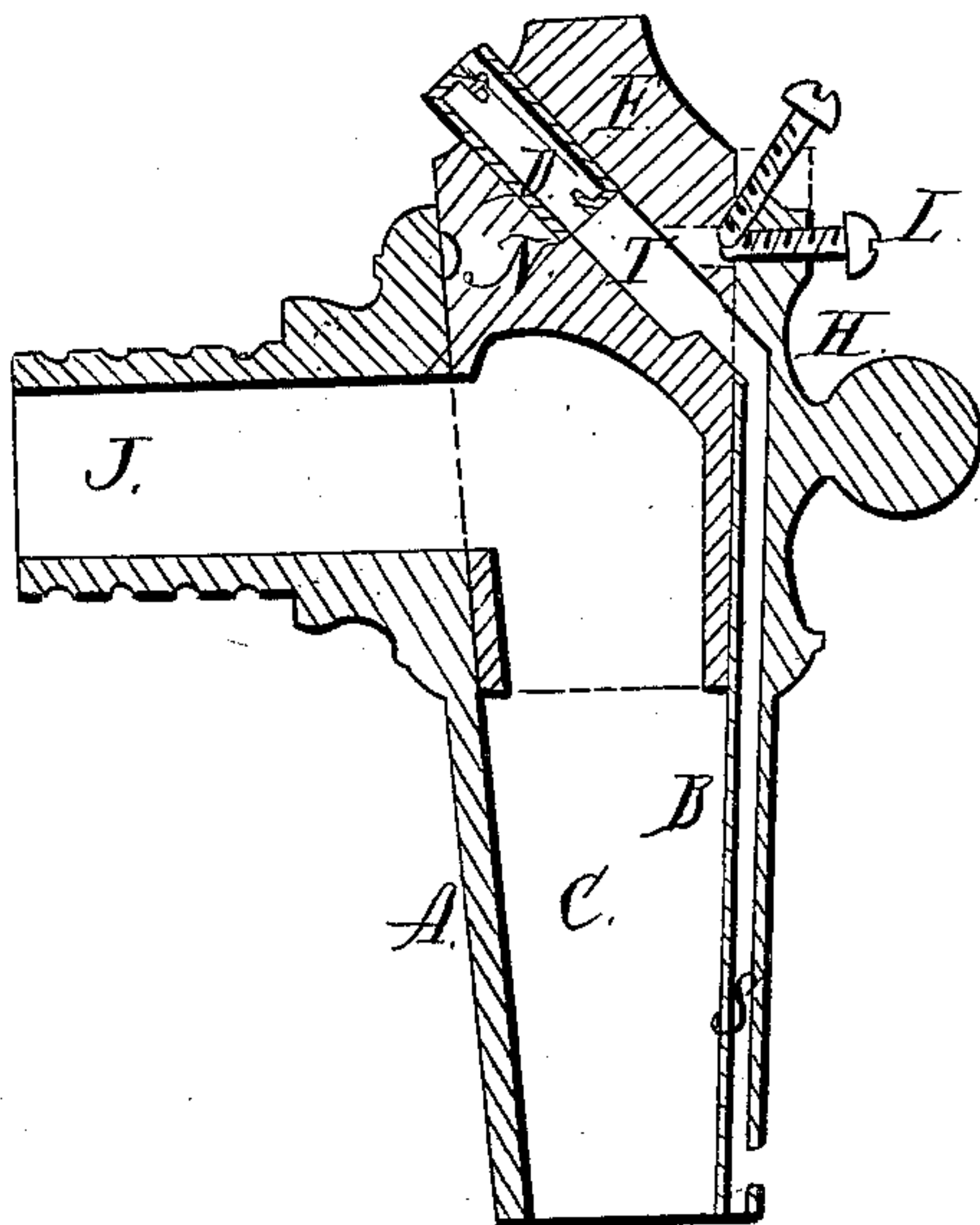


Fig. 2.

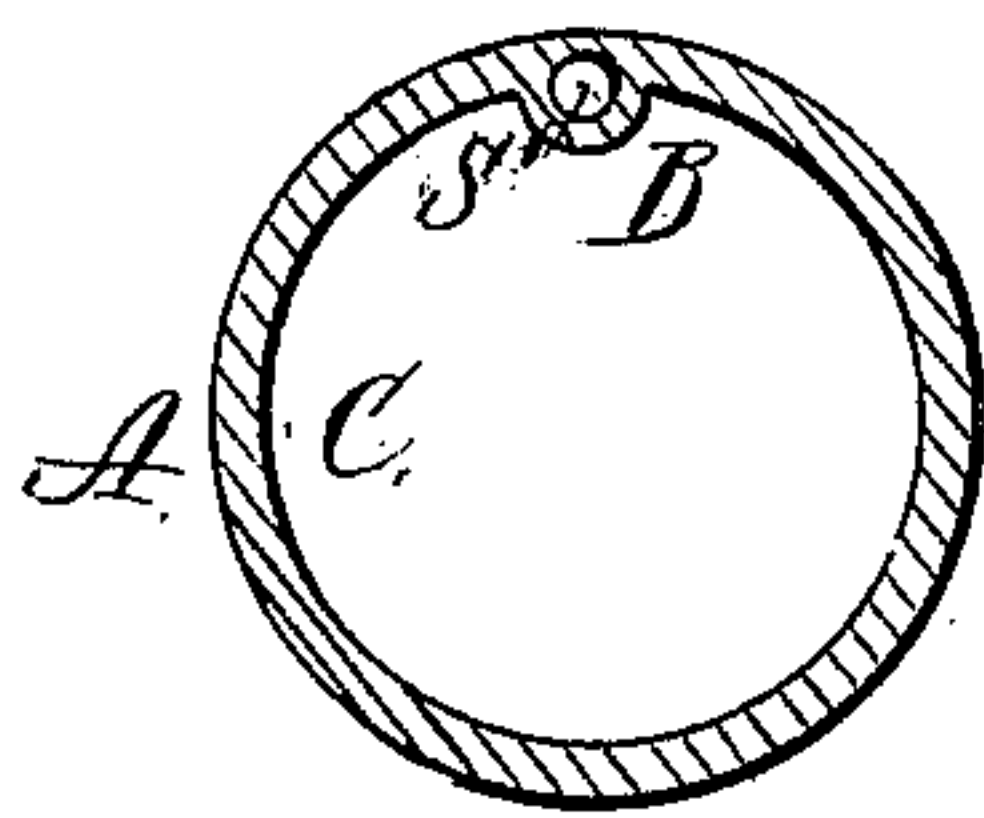


Fig. 3

Witnesses:

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A., J., AND T. McKENNA, OF PITTSBURG, PENNSYLVANIA.

Letters Patent No. 61,015, dated January 8, 1867.

IMPROVEMENT IN BARRELLING COCKS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, ALEXANDER McKENNA, JOHN McKENNA, and THOMAS McKENNA, of the city of Pittsburgh, in the county of Allegheny, and State of Pennsylvania, have invented a new and useful Improvement in Barrelling Cocks; and we hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification, and to the letters of reference marked thereon.

The nature of our invention consists in constructing a barrelling cock with a tapering nozzle to fit the bung-hole of a barrel, and furnished with openings for the escape of the air as the liquid passes in, and, in combination with the air-passage, a whistle or other contrivance that will indicate by sound the flow of liquid while filling, and so constructed as that when the liquid in the barrel reaches the nozzle the sound will cease, whereby the person in charge may know that the barrel is full; also in providing the key of the cock with a large ring or handle to enable the operator to shut off the flow and carry the cock in an easy manner from barrel to barrel, as occasion may require; also in holding and securing the key in the body of the cock by means of a set-screw passing through the body and entering a groove or channel in the key.

To enable others to understand and make our improvement, we will proceed to describe it by reference to the accompanying drawings, wherein—

Figure 1 represents a perspective view of our improved barrelling cock.

Figure 2 represents a longitudinal vertical section of the same.

Figure 3 is a cross-section of the nozzle.

All the drawings are lettered, and similar letters denote corresponding parts in the several views.

We construct a cock of metal, and make it very similar in appearance to the ordinary cocks now in use, but in order to carry out the object we have in view, we lengthen the nozzle A, making it four or five inches long; and to conform to the various sizes and shapes of bung-holes, it is made tapering on the outside, as seen in fig. 1. In the interior of this nozzle A, and to one side of the "bore" C, is a small longitudinal projection, B, through which a hole, S, is drilled extending up to and communicating with another hole, T, passing diagonally through the key F. In the upper end of this hole T is placed a small metallic whistle, D, or similar contrivance, by which a sound may be produced as the air escapes from the barrel through the openings S T during the operation of filling. By this arrangement it will be seen that when the liquid as it rises in the barrel reaches the lower end of the nozzle A, it will cover the mouth of the opening S and shut off the air, when the sound will cease and indicate that the barrel is full. This key F is held in place in the body H of the cock by means of a set-screw, L, the point of which enters a groove or channel, N, permitting the key to turn. The screw may be set at an angle to the axis of the key, as represented in fig 2. This position of the screw not only holds the key in place, but tends to force it down as the key wears away. This cock is constructed for the purpose of drawing off liquids from large tanks into barrels, and for that purpose the short pipe J is corrugated that it may be more securely fastened in the end of a flexible hose leading from the tank; and to enable the person in charge to operate the cock and carry it from barrel to barrel, the upper end of the key F is provided with a large ring or handle M, as seen at fig. 1.

Having thus briefly described our improved barrelling cock, what we claim, is—

Combining with a barrelling cock, a whistle or other contrivance that will indicate by sound the flow of liquid while filling, and so constructed as that when the liquid reaches the nozzle the sound will cease, whereby the person in charge may know that the barrel is full.

Witnesses:

JOSIAH W. ELLS,
C. S. AMMIDON.

ALEX. McKENNA,
JOHN McKENNA,
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