

W. F. Jones,

Bottle Lock.

No. 108153.

Patented Oct. 11. 1870.

Fig. 1.

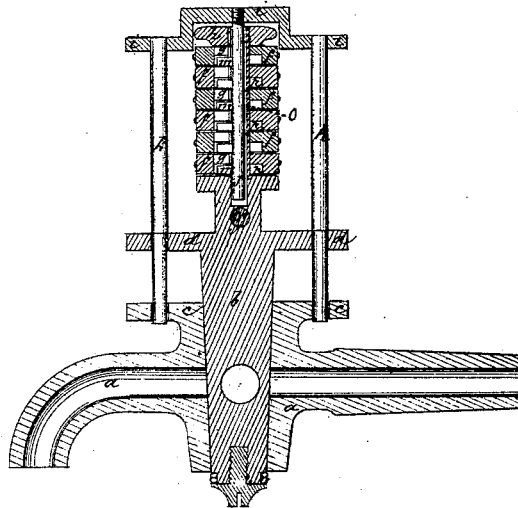
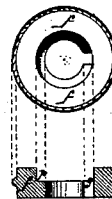


Fig. 2.



Fig. 3.



Witnesses.

Thos. D. D. Caraid
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Wm. F. Jones, Inventor.

by

His Attorneys.

United States Patent Office.

WILLIAM F. JONES, OF BALTIMORE, MARYLAND, ASSIGNOR TO HIMSELF
AND C. A. EDMONSTON, OF HALIFAX, NORTH CAROLINA.

Letters Patent No. 108,153, dated October 11, 1870.

IMPROVEMENT IN PERMUTATION-LOCK FAUCETS.

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

To all whom it may concern:

Be it known that I, WILLIAM F. JONES, of Baltimore, in the county of Baltimore and State of Maryland, have invented a new and improved Permutation-lock Faucet; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a transverse vertical section, showing the internal construction.

Figure 2 is a side view of the tumblers which inclose the key, and on which the index is stamped.

Figure 3 is a view and a section of one of the tumblers, the upper part of the figure being a bottom view, and the lower part an inverted vertical section of the tumbler.

This invention relates to an improvement in lock-faucets, and consists in the combination of a permutation lock of peculiar construction, with a faucet, for the purpose of preventing any person unacquainted with the combination upon which the lock is set, from drawing off the contents of the vessel in which the faucet is used.

In the drawing—

a is the pipe, and *b* the plug of a faucet, the pipe being provided with a plate, *c*, and the plug with a similar plate, *d*.

A permutation lock is secured to the cock *b*, and consists of a slotted tube, *o*, incased in an indefinite number of tumblers *f*, having recesses *g* upon the inside, and milled beads upon the outside, the tumblers being held by a milled nut, *h*, having a corresponding recess, so as to revolve on the tube *o*.

i is a cap, provided with a key, *j*, and bolts *k*.

g' is the lever used to turn the cock *b*.

The tumblers *f* are first arranged upon the slotted tube *o*, in such a manner that the recesses *g* meet the slot in the tube *o*; then the index-letters, which form a straight line, with marks located centrally on the cap and plate *c* and *d*, between the bolts *k*, will

indicate when the key can be inserted or withdrawn. The combination to which it is set at present is numerals 1 2 3 4 5 6, and letters W F J C A E. When the key *j* is inserted into the tube the nibs *m* enter the recesses *g*, and permit the key *j* to pass down until the nibs enter the seats *p* of the tumblers *f*, and the bolts *k* pass through the plate *d* and enter the plate *c*. The tumblers *f* are then revolved in either direction, the seats *p* of the tumblers admitting of such revolution around the key.

A person not familiar with the combination upon which the lock is set will be unable to unlock the faucet, and it cannot be turned so long as the bolts *k* remain in the holes in the plates. By placing the tumblers in different positions on the tube *o*, different combinations may be found.

This lock can be used on a molasses-gate, the arrangement being similar to that already shown, holes being provided for the reception of the bolts *k*.

The key *j* and bolts *k* are never entirely withdrawn, it being sufficient to remove the bolts *k* from the holes in the plate *d*.

I am aware that the locking of the cock of a faucet is no novelty. What I consider to be the novelty of my apparatus is the adaptation of the bolts *k* to the plate *c* *d* and the permutation lock.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The bolts *k*, connected with the locking-key *j* *m* by the cap *i*, and with the perforated plates *d* and *c*, to allow or prevent the rotation of the plug *b* by the adjustment of the notched tumblers *f* on the slotted tube *o* and said key *j*, all said parts being constructed and arranged as shown and described.

WILLIAM F. JONES.

Witnesses:

ALLEN C. REDWOOD,
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