

G. MIGLIAVACCA.
BOTTLE CORKING APPARATUS.

No. 88,404.

Patented Mar. 30, 1869.

Fig. 2.

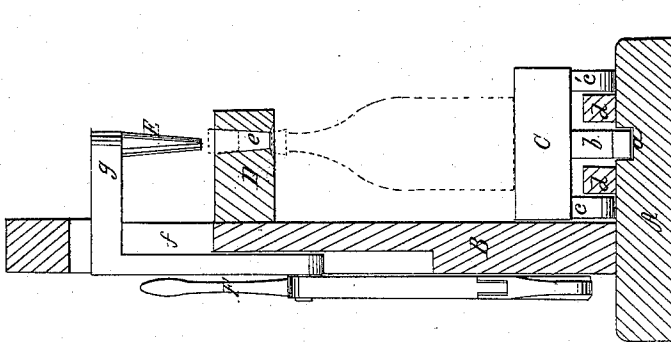
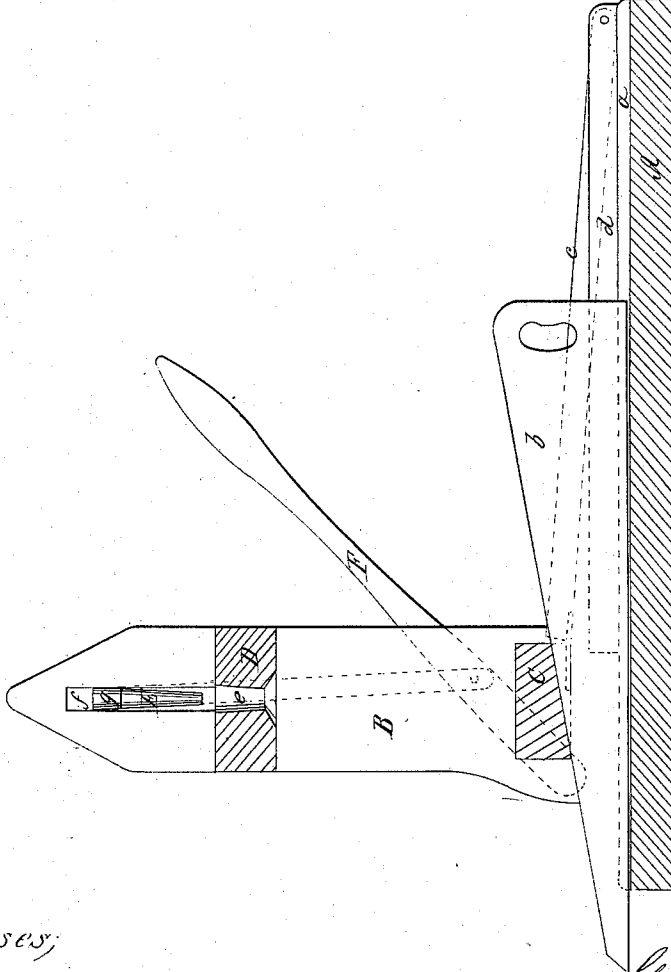


Fig. 1.



Witnesses:
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United States Patent Office.

GIACOMO MIGLIAVACCA, OF NAPA, CALIFORNIA.

Letters Patent No. 88,404, dated March 30, 1869; antedated March 19, 1869.

IMPROVEMENT IN BOTTLE-CORKING APPARATUS.

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, GIACOMO MIGLIAVACCA, of the city and county of Napa, State of California, have invented an Improved Bottle-Corking Machine; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains, to make and use my said invention or improvements without further invention or experiment.

The object of my invention is to provide a simple machine for corking bottles, so that bottles of any size may be easily and readily fitted with a cork, without the necessity of compressing the end which is to be inserted, previous to fitting it; and

It consists of a base, having an upright standard attached to it, near one end.

Upon this standard, at a convenient height, is attached a semicircular block, having a hole, which tapers, from top to bottom, through it, sufficiently large to admit a cork.

A block of wood or metal is placed under the semicircular block, at the foot of the standard, upon which the bottle to be corked is placed, when the block is moved up by a bar, which moves back and forth in a slot in the base, and which has its upper side an inclined plane.

By moving this sliding bar toward the block, the bottle is raised up until its mouth strikes the semicircular block, directly under the hole, when the cork, which has been previously placed in the hole, is forced down into the neck of the bottle, by a cone-shaped pin, attached to the lower end of a bent arm, which is operated by a lever at the back of the upright standard.

In order to more fully explain my invention, reference is had to the accompanying drawings, forming part of this specification, and the letters marked thereon, of which—

Figure 1 is a front view, and

Figure 2, an end view.

A is the base, or bed, having the upright standard B securely fastened to it, near one end.

A longitudinal slot, *a*, is made through the entire length of the base, in front of the standard B, in which a sliding bar, *b*, is placed.

The upper surface of this bar is an inclined plane, and works in an inclined slot, in the lower portion of a block, C, upon which the bottle is placed, the incline of the slot being the reverse of that of the sliding bar, so that as the bar *b* is moved back or forth, the block

C is raised and lowered, while it retains its horizontal position.

Two arms, *c c'*, are hinged to one end of the block C, and have their opposite ends pivoted to two parallel strips, *d d'*, permanently fastened each side of the longitudinal slot *a*, which retains the block C always in its relative position to the standard.

The standard B has permanently attached to it, at a convenient height, a semicircular block, D, which has a hole, *e*, passing entirely through it, the hole at the lower side of the block being countersunk, to receive the mouth of the bottle.

A vertical slot, *f*, is cut through the standard, just above the block D, through which a bent arm, *g*, passes, having a conical pin, E, attached to the lower side of its outer end.

This bent arm is operated by the lever F, at the back of the upright standard B.

The operation of my machine is as follows:

The bottle is placed upon the block C, as shown in red, fig. 2, and the sliding bar *b* is moved up, which carries the bottle up, until its mouth presses against the block D, directly under the hole *e*. The cork having been placed in the hole at its top, the lever F is forced down, which causes the cone-shaped pin E to drive the cork into the mouth of the bottle, when the sliding bar may be drawn back, and the bottle removed.

By this arrangement, bottles may be easily and quickly corked, avoiding the necessity of compressing the end of the cork, or cutting it away, until it is easily fitted, leaving it in a condition liable to leak.

My apparatus is compact and cheap, easily worked by hand, and very expeditious.

Having thus described my invention,

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

1. The vertically-moving block C, with the inclined operating-gauge *b*, and the parallel retaining-bars *c c'*, the whole constructed and arranged substantially as herein described.

2. The block D, with its tapering passage *e*, with the plunger E, the bent arm *g*, and the hand-lever F, substantially as and for the purpose described.

In witness whereof, I have hereunto set my hand and seal.

GIACOMO MIGLIAVACCA. [L. S.]

Witnesses:

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