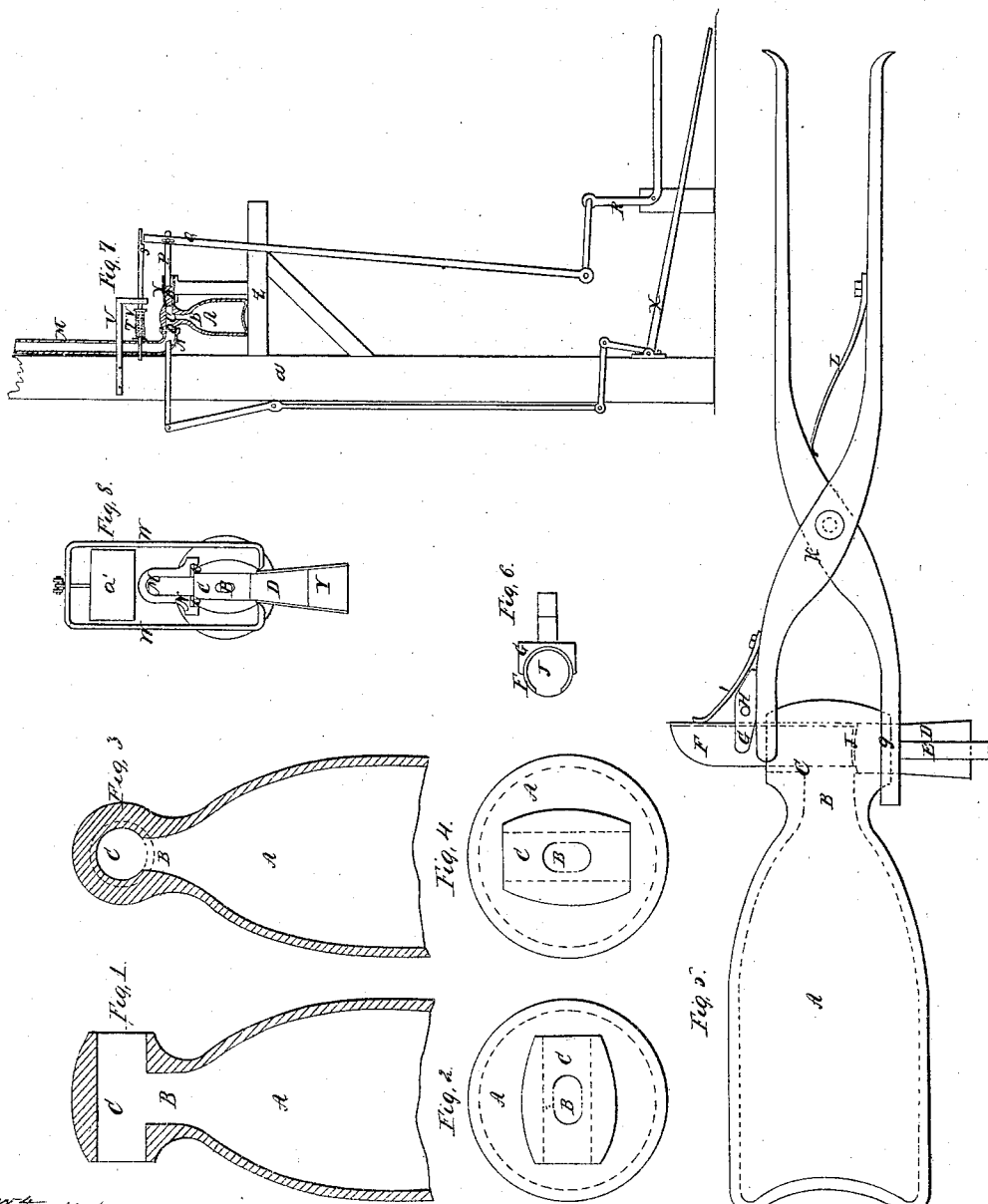


INSTRUMENT FOR OPENING BOTTLES.

No. 50,868.

Patented Nov. 7, 1865.



Witnesses,
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UNITED STATES PATENT OFFICE.

JOHN WOOLAVER, OF SUISUN, CALIFORNIA.

IMPROVED INSTRUMENT FOR OPENING BOTTLES.

Specification forming part of Letters Patent No. 50,868, dated November 7, 1865.

To all whom it may concern:

Be it known that I, JOHN WOOLAVER, of the city of Suisun, county of Solano, State of California, have invented Improvements in Forceps for Removing Corks from Bottles; and I do hereby declare that the following specification is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a sectional elevation and side view of neck; Fig. 3, sectional end view of neck; Figs. 2 and 4, top view of same; Fig. 5, process of removing corks; Fig. 6, end view of tube for forcing out the corks, Figs. 7 and 8 showing a process which may be used in filling the bottle.

The nature of my invention consists in a pair of forceps of peculiar construction for removing corks from bottles.

To enable others skilled in the art to make and use my bottles and forceps for uncorking, I will proceed to describe its construction and operation, referring to the drawings, in which the same letters indicate like parts in each of the figures.

A, Figs. 1 and 3, is the body of bottle; B, the neck, the opening of which is elongated, as shown in Figs. 2 and 4. C is a transverse opening, into which the cork is forced, thus obviating the necessity of fastening by string or wire.

Fig. 5: Let A be the body of the bottle, B the neck, and C the transverse opening, into which the cork D is placed. K is a pair of forceps, the jaws of which are kept open by the spring L. G is a lug fastened to the top of the upper arm by the pin H. F is a tube fastened to G, and having a bottom, J, also

being open on one side. (Shown clearly in Fig. 6.) I is a spring to keep F in a perpendicular position when the forceps are opened or closed, which can be accomplished by the movable lug G. E is a bar, fastened to the lower arm of the forceps to prevent the cork being forced entirely out.

When it is required to remove a cork the forceps are opened and one end of the neck of the bottle rested in a depression in the lower arm, shown by the dotted line at G, at which point there is a hole to admit of the passage of the cork. The bottom J of the tube F is then pressed on the cork by closing the forceps, thus forcing it wholly or partially out, the tube F being kept perpendicular by the movable lug G and the spring I. When the end of the cork passes the neck B the opening in the side of the tube F admits of the passage of the fluid.

Having thus described my bottle for effervescing liquids and forceps for uncorking the same, I will now proceed to state what I claim and desire to secure by Letters Patent, to wit:

I claim—

In combination with the forceps K, the perforated tube F, having an opening at one end and closed at the other, together with the bar E, substantially as specified, and for the purposes set forth.

In witness whereof I have hereunto set my hand and seal this 24th day of May, A. D. 1865.

JOHN WOOLAVER. [L. S.]

Witnesses:

R. M. CLARK,

J. B. SPALDING.