

J. PEASE & A. TESTER.
GLASS BOTTLE MOLDS.

No. 179,340.

Patented June 27, 1876.

Fig. 1

Fig. 2

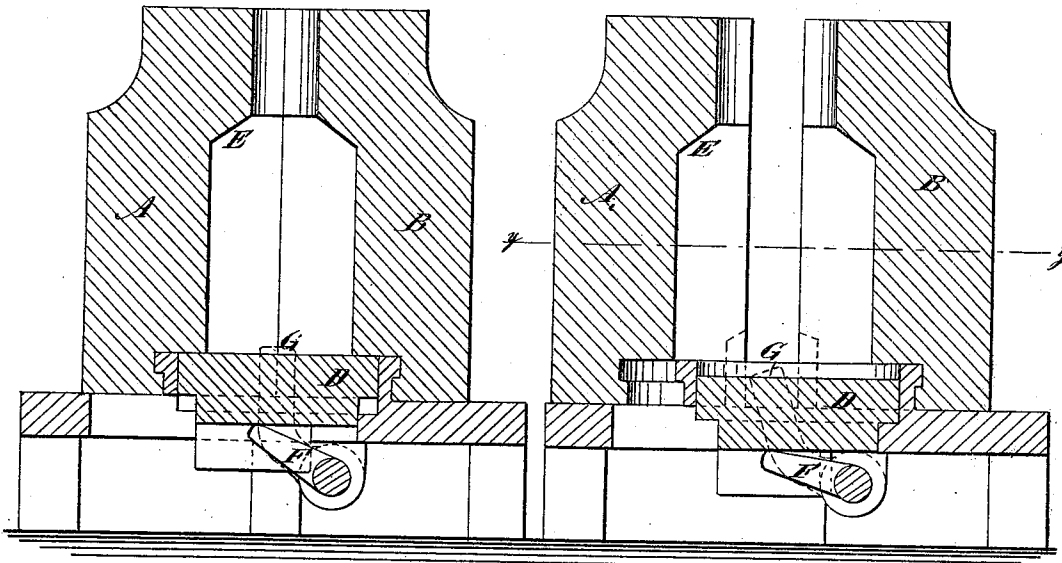
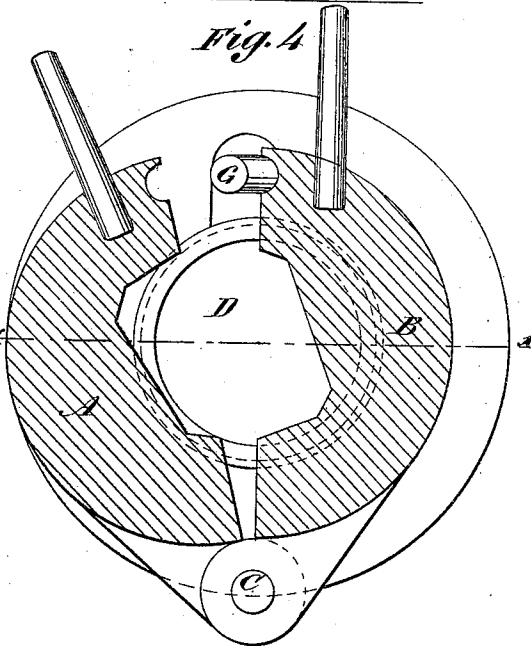
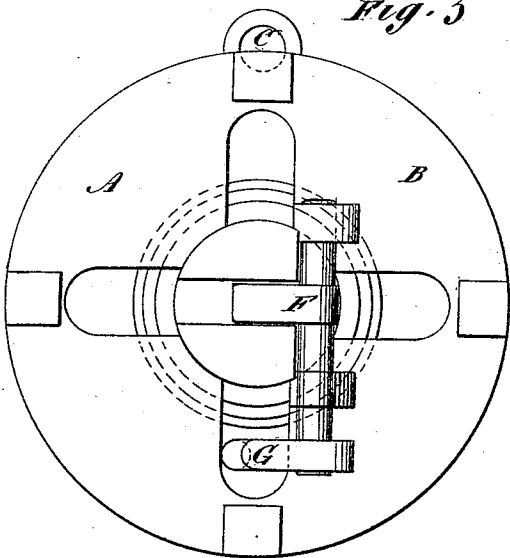


Fig. 3

Fig. 4



WITNESSES:

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UNITED STATES PATENT OFFICE.

JACOB PEASE AND ABRAHAM TESTER, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN GLASS-BOTTLE MOLDS.

Specification forming part of Letters Patent No. **179,340**, dated June 27, 1876; application filed May 1, 1876.

To all whom it may concern:

Be it known that we, JACOB PEASE and ABRAHAM TESTER, of Brooklyn, in the county of Kings and State of New York, have invented new and Improved Glass-Bottle Molds, of which the following is a specification:

Our invention consists of the bottom of a glass bottle mold so arranged that the opening of the sides of the mold lets the bottom fall to relieve the bottle from pressure between the bottom and the breast, which in the common molds cracks and breaks the bottles to some extent. The contrivance is such that when the mold is closed the bottom is raised up to the proper position for shaping the bottle.

Figure 1 is a sectional elevation of the mold, showing it in the closed condition. Fig. 2 is a section showing it open. Fig. 3 is a horizontal section, and Fig. 4 is a plan of the mold inverted.

A and B represent the two sides of the mold, which are pivoted at C to open and close, as in other molds. D represents the bottom, which we have made so as to drop a little when the sides open, instead of remaining stationary, as in the common molds, by which we avoid considerable loss by cracking and breaking, which is caused by the sticking of the bottles in one or the other of the sides, and binding between the shoulders E and the bottom, so as to swing along the bottom with

the side of the mold to which it sticks. By allowing the bottom to drop away the bottles are entirely relieved of this difficulty.

In this case we have arranged the rock-arm F under the bottom, and another arm, G, to be actuated by one of the closing sides for raising the bottom to its place when closing the mold; but we do not limit ourselves to this arrangement, as it is evident other devices, actuated by one or both the parts of the mold, may be used.

We are aware of the existence of a sectional mold for glassware, which consists of hinged jaws, sectional sliding mold-blocks, and a vertically-sliding pin for raising the pressed article into a stationary cap-ring.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the movable sides A B, of a rising and falling bottom, D, connected with said sides, so as to effect the automatic operation of the bottom by the sides of the mold, substantially as set forth.

2. The combination of the movable bottom and the rock-arms F G with the opening and closing sides of a glass-bottle mold, substantially as specified.

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ABRAHAM TESTER.

Witnesses:

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