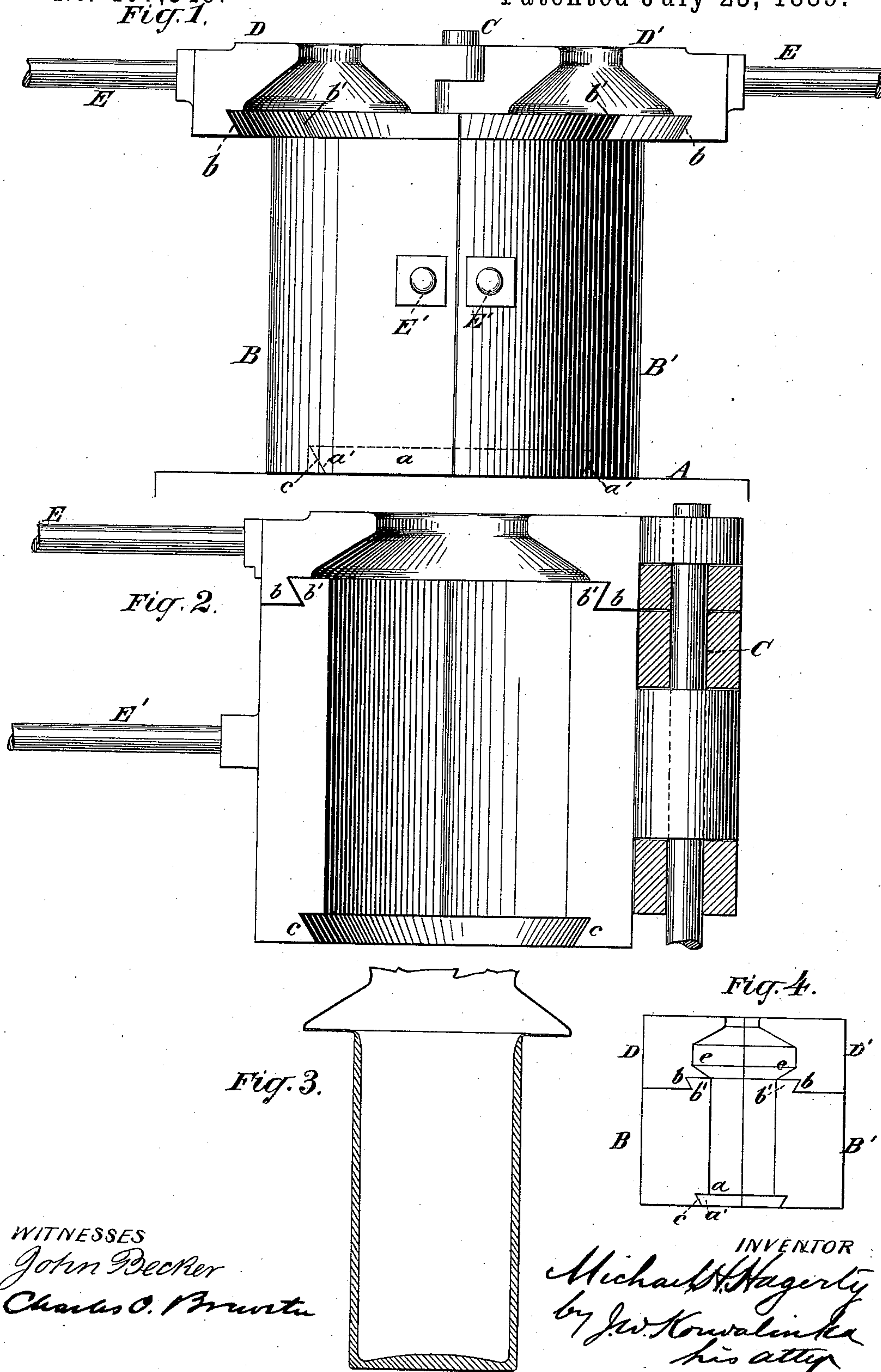


(No Model.)

M. H. HAGERTY.
MOLD FOR GLASSWARE.

No. 407,349.

Patented July 23, 1889.



UNITED STATES PATENT OFFICE.

MICHAEL H. HAGERTY, OF BROOKLYN, NEW YORK.

MOLD FOR GLASSWARE.

SPECIFICATION forming part of Letters Patent No. 407,349, dated July 23, 1889.

Application filed April 8, 1889. Serial No. 306,471. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL H. HAGERTY, a citizen of the United States, residing in the city of Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Molds for Glassware, of which the following is a specification.

My invention relates to that class of molds for blown glassware which are provided with a "cap" or "blow-over," into which surplus glass is blown thinner than is required in the body of the article to be made, so that the thin surplus glass can the more readily be chipped or broken off, leaving the edges of the article to be made ready for grinding and finishing. Heretofore such a cap or blow-over has been permanently attached to or made a part of the mold, but has been found objectionable in use, because the surplus glass in the cap or blow-over, being much thinner than that of the remainder of the article to be made, is much the faster chilled from contact with the mold, and cracks, which cracks often communicate with and ruin the body of the article itself. If, to remedy this, the mold is opened soon enough to prevent this too rapid chilling and cracking of the surplus glass, the body of the article, retaining its plastic condition, is liable to warp out of shape.

The object of my invention is to obviate these objections, and at the same time provide a simple and effective means of molding glass jars having very large mouths, or like articles, such as battery-jars, &c., or dishes where the opening is equal to the whole interior circumference of the article; and to this end my invention consists in making the cap or blow-over detachable from the body of the mold proper, or adjustably secured thereto, preferably by hinging, so that as soon as the article is blown out to the size and shape of the mold the cap or blow-over can at once be readily opened or removed from contact with the thin surplus glass, while the mold proper can remain closed as long as may be necessary, which will vary according to the thickness of the article to be made.

In the accompanying drawings similar letters of reference designate corresponding parts in all the figures.

Figure 1 represents a front view of a mold with the cap or blow-over open, embodying my improvement. Fig. 2 represents a view of half of the mold and the cap or blow-over. Fig. 3 represents an unfinished article; and Fig. 4 represents a transverse section of a mold, showing a modification of my invention.

A designates the base of the mold, having a central raised portion *a*, provided with an under-cut *a'*.

B B' designate the sides of the mold proper, the lower ends of which are also provided with under-cuts *c c*, which engage with the under-cut *a'* of the base A. The sides B B' are hinged or turn on a rod or standard C, secured to the base A.

D D' designate the sides of an independently-operating cap or blow-over, arranged above the mold proper, and have their lower ends provided with under-cuts *b b*, which engage with the upper portion of the sides B B', which are raised and provided with under-cuts *b' b'*.

In Fig. 4 the lower inside portion *e* of the sides of this cap or blow-over D D' are slightly tapered and extend inward and rest upon the top of the mold proper, where the mouth of the article to be made is formed.

The sides of the mold and cap or blow-over are each provided with a pair of handles E E' to open and close the same. The mold and cap or blow-over are made from iron or other suitable material, and can be made of such size and shape as may be desired. As is usual, the interior of the cap or blow-over is made larger or wider than the circumference of the mouth of the article to be made. The cap or blow-over is preferably hinged on the rod or standard, so that when the article to be made is blown out to the size and shape of the mold the cap or blow-over can be readily opened, while the mold proper is left closed. The cap or blow-over may be otherwise detachably secured to the mold proper; but for convenience of operating I prefer hinging it to the rod C, as shown.

By the use of my improved mold, with its independently-operating cap or blow-over, it will be found that a great saving of time and material will be made and the objections inci-

dent to the use of the mold now in use obviated.

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

5 In the herein-described mold for blown glassware, the combination, with the base A, of the rod or standard C, the sides B B' of the mold proper hinged to said rod, and the independent cap or blow-over D D', also hinged to

said rod and arranged above the body of the mold proper and co-operating therewith, substantially in the manner as and for the purpose specified.

MICHAEL H. HAGERTY.

Witnesses:

THOS. J. FARRELL,
J. C. WARD.