

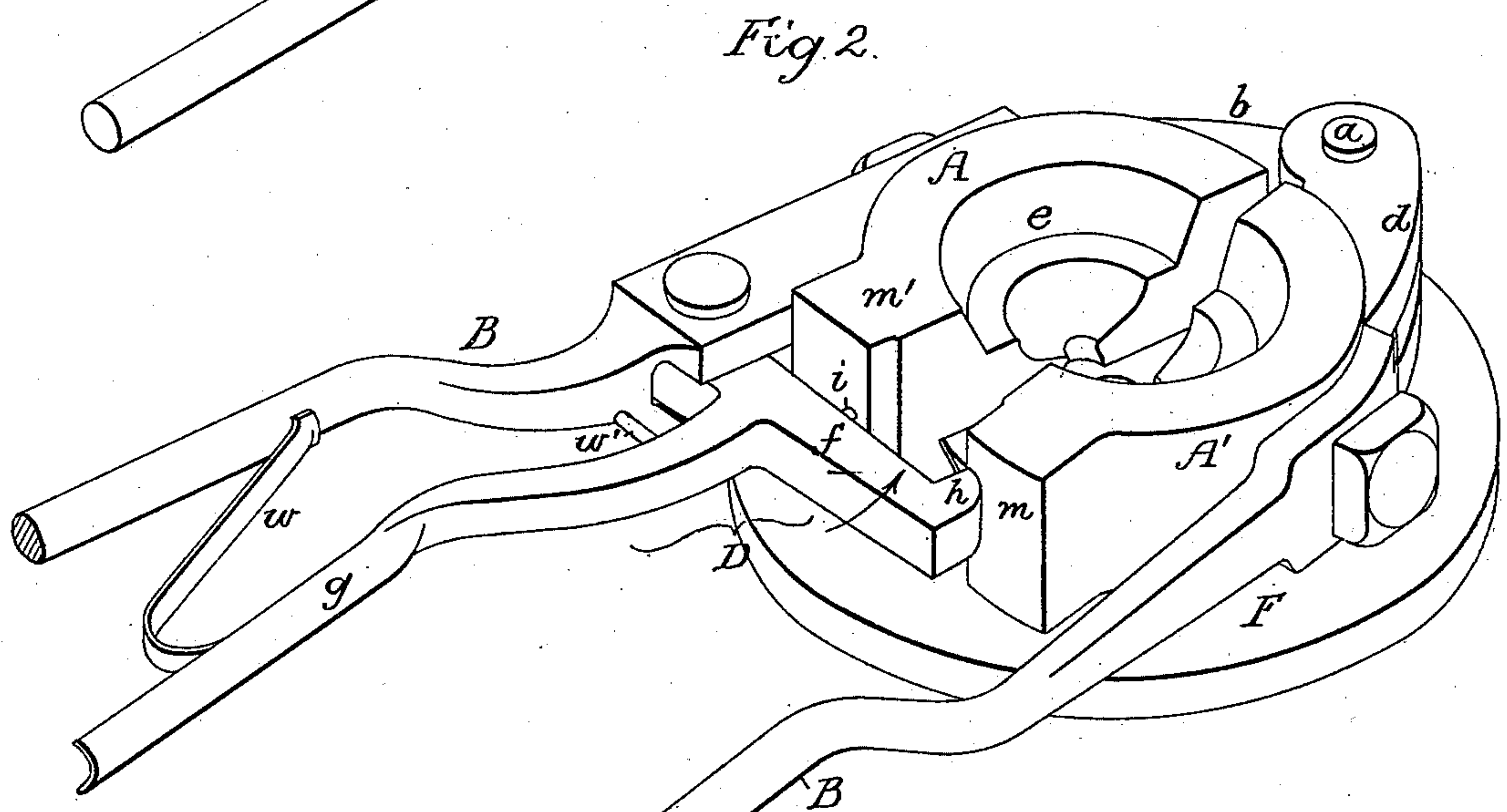
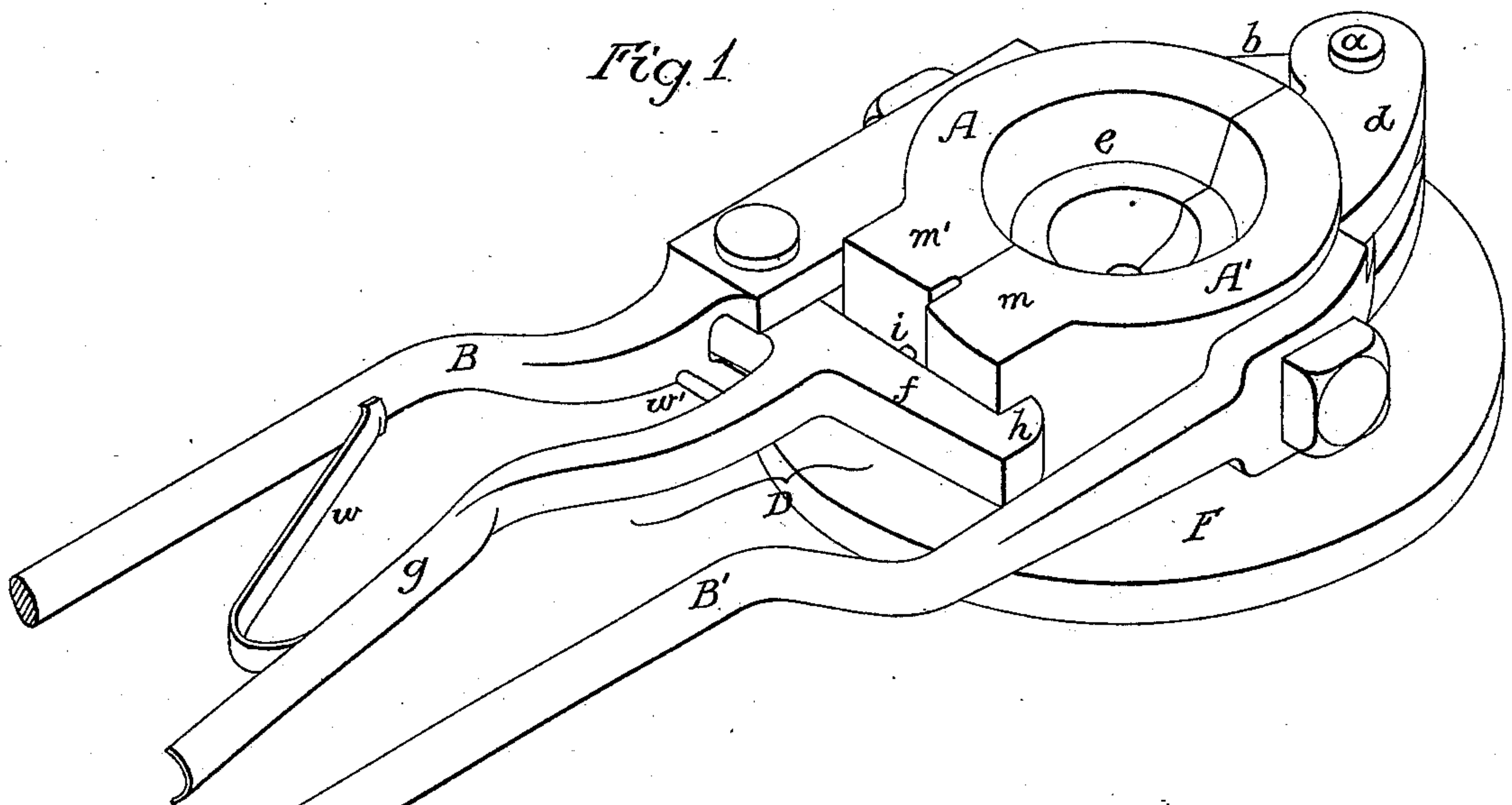
(No Model.)

E. HERCKNER.

GLASS MOLD.

No. 297,077.

Patented Apr. 15, 1884.



Witnesses

John E. Parker
James J. Tobin

Inventor

Emil Wercknes
by his Attys
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UNITED STATES PATENT OFFICE.

EMIL HERCKNER, OF MILLVILLE, N. J., ASSIGNOR TO JOHN MICKLE, OF SAME PLACE, JAMES WHITALL, ROBERT P. SMITH, CHARLES ROBERTS, AND WILLIAM H. NICHOLSON, OF PHILADELPHIA, PA., AND CHARLES ALBERT TATUM AND FRANCIS M. UNDERHILL, OF NEW YORK, N. Y.

GLASS-MOLD.

SPECIFICATION forming part of Letters Patent No. 297,077, dated April 15, 1884.

Application filed February 4, 1884. (No model.)

To all whom it may concern:

Be it known that I, EMIL HERCKNER, a citizen of the United States, and a resident of Millville, Cumberland county, New Jersey, have invented certain Improvements in Glass-Molds, of which the following is a specification.

My invention relates to improvements in two-part glass-molds; and it consists in combining the two parts and their handles with a latch-lever, by which the mold is made self-locking when closed, and by which the operator can unlock the two parts of the mold without changing that position of his hands which is required for opening the mold, thereby obviating the necessity of resorting to separate manipulations for opening and closing the mold and for locking and releasing the same.

In the accompanying drawings, Figure 1 is a perspective view of my improved glass-mold as it appears when closed, and Fig. 2 a perspective view of the mold as it appears when partly open.

A and A' are the two parts of the mold, hinged together in the present instance by a pin, *a*, which extends into an orifice in the base F; the pin passing through a lug, *b*, projecting from the part A of the mold, and through lugs *d*, projecting from the other part, these lugs and the pin thus forming the desired hinge. It should be understood that the two parts of the mold thus hinged together are readily detachable from the base-plate.

It will be unnecessary to describe the cavity *e*, formed by the two parts of the mold, as this forms no part of my invention, and as the cavity must be varied in different molds to accord with the different objects to be produced. The matrix or die, moreover, for pressing the glass into the mold has been omitted for the same reasons.

To the part A of the mold is secured a handle, B, and to the part A' a handle, B', and to the former handle, or to the part A of the mold, is pivoted a latch-lever, D, the short arm *f* of which has at its end a lug, *h*, rounded

on the outer side and abrupt on the inner side, for catching against the exterior of a projection, *m*, on the part A' of the mold, the long arm *g* of the lever extending outward in the same, or nearly the same, direction as the handle B, and being so situated in respect to the latter that one hand can grasp both the arm and the handle, between which is interposed a spring, *w*, either attached to the arm *g* of the lever D and arranged to bear against the handle B, or attached to the latter and made to bear against the arm. Any spring which will tend to force the latch-lever in the direction of the arrow may be substituted for that shown. There is a small pin, *i*, attached to the arm *f* of the latch-lever for bearing against the projection *m'* of the part A of the mold, and thus limiting the movement of the lever in one direction, and another pin, *w'*, in the arm *g* of the lever for limiting the movement of the latter in the opposite direction. Any other suitable stops for restricting the movement of the latch-lever may be substituted for the pins.

When the two-part mold has to be opened, the operator grasps the handle B' with one hand, and both the handle B and the arm *g* of the latch-lever with the other hand, and, forcing the said arm toward the handle B, unlocks the mold, which is now at liberty to be opened by the outward movement of the handles. In closing the mold, the handles B B' are forced toward each other, the latch-lever being free, and the rounded outer side of the lug *h* of the arm *f* of the said lever being brought into contact with the projection *m* of the part A' of the mold, the lever will yield, and the abrupt side of the lug will take its place against the exterior of the same projection *m*, thereby locking the two parts of the mold.

It will be seen that the above-described device, by which the two parts of the mold may be unlocked by the operator without changing that position of his hands required for opening the mold and for rendering the two parts of the mold self-locking in closing the

same, insures a promptitude of action which cannot be attained when there is the usual locking device, which demands manipulation apart from that required to open and close the
5 mold.

I claim as my invention—

The combination of a two or more part mold, each part having the usual handle, with a spring latch-lever having an arm adjoining the
10 handle of one part of the mold and constructed

to lock and release the other half of the mold, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EMIL HERCKNER.

Witnesses:

A. E. COOPER,
GEO. B. COOPER.