

(No Model.)

J. F. MILLER.

MOLD FOR THE MANUFACTURE OF GLASS LAMPS AND LAMP FOUNTS.

No. 297,430.

Patented Apr. 22, 1884.

Fig. 1.

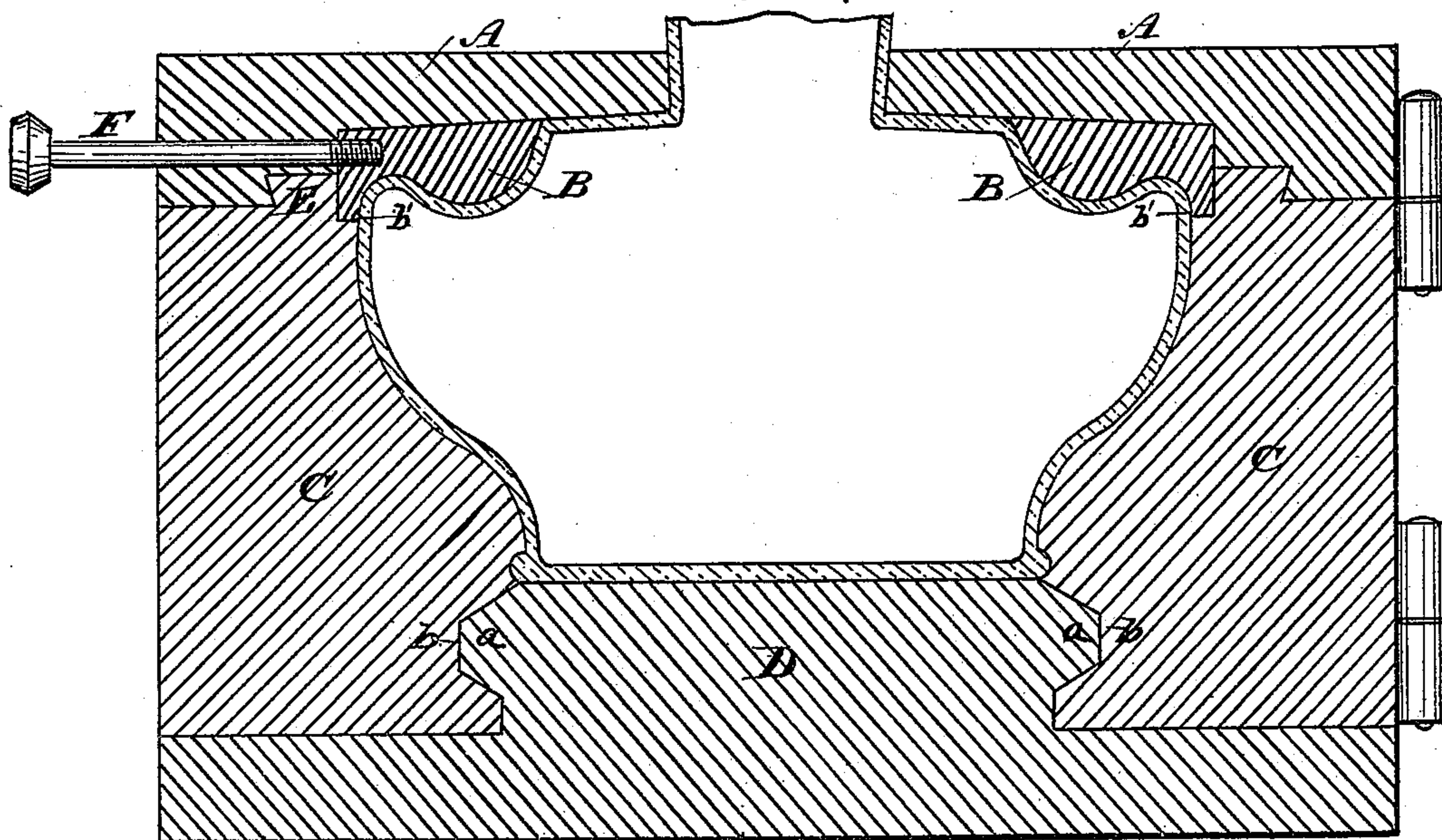


Fig. 2.

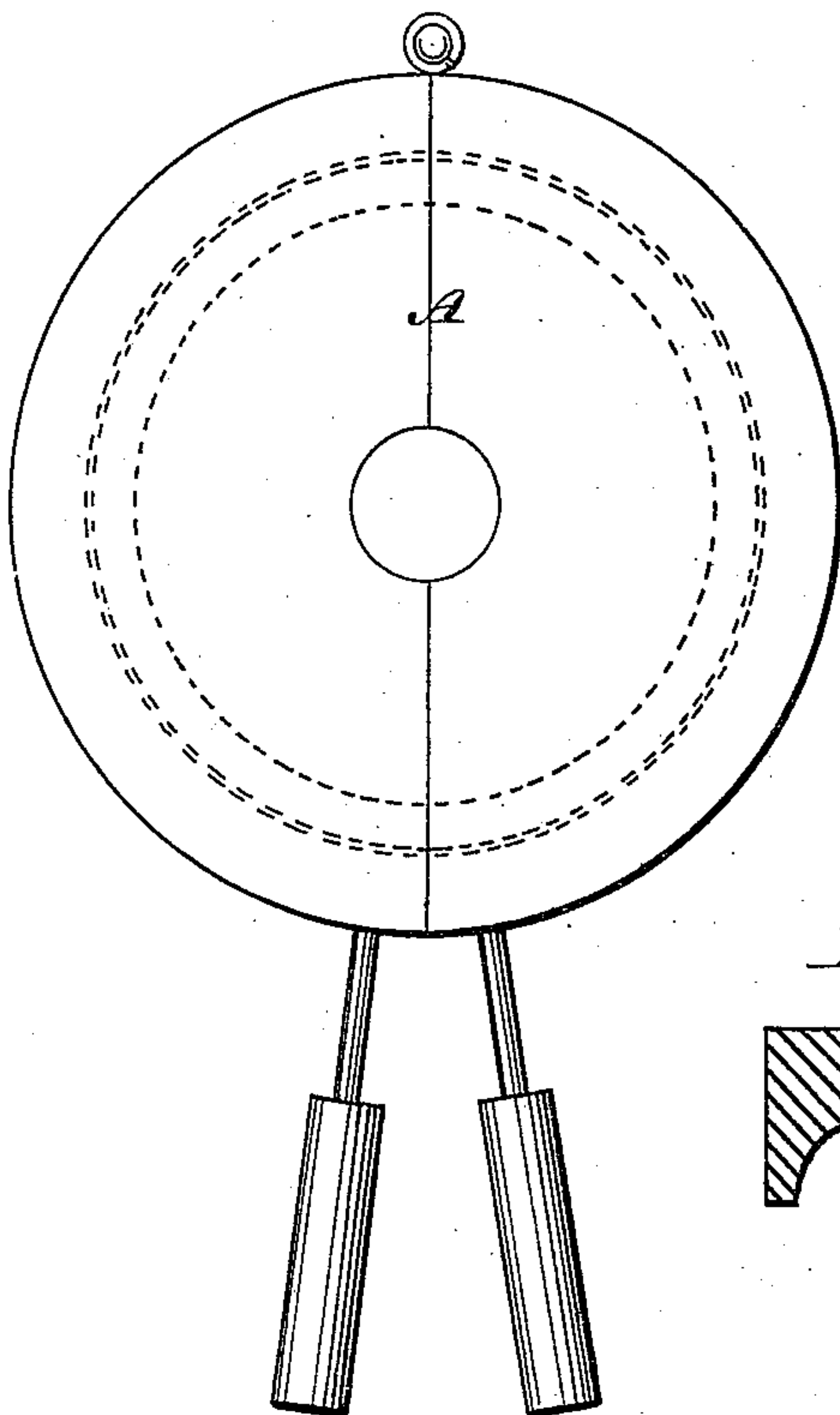


Fig. 3.

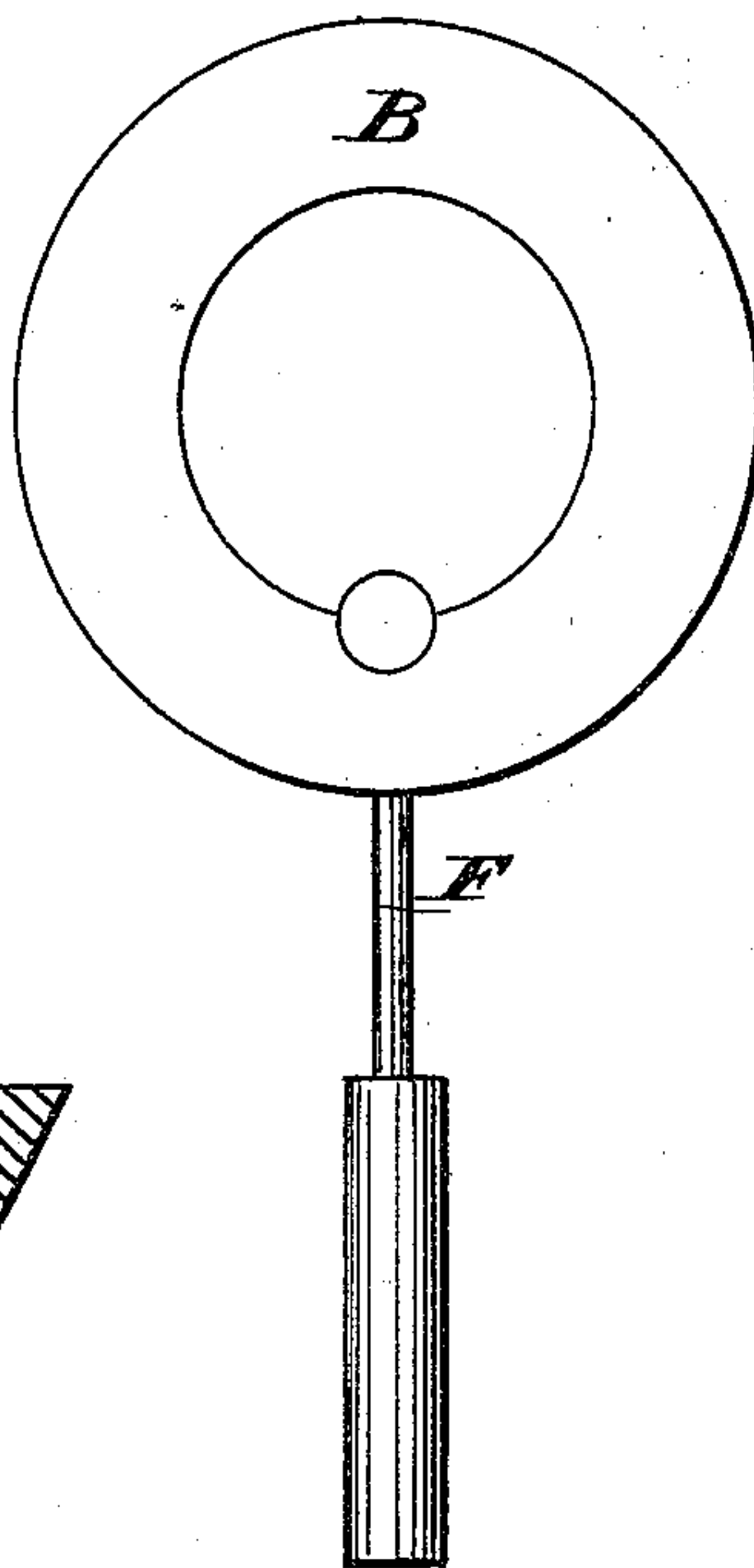
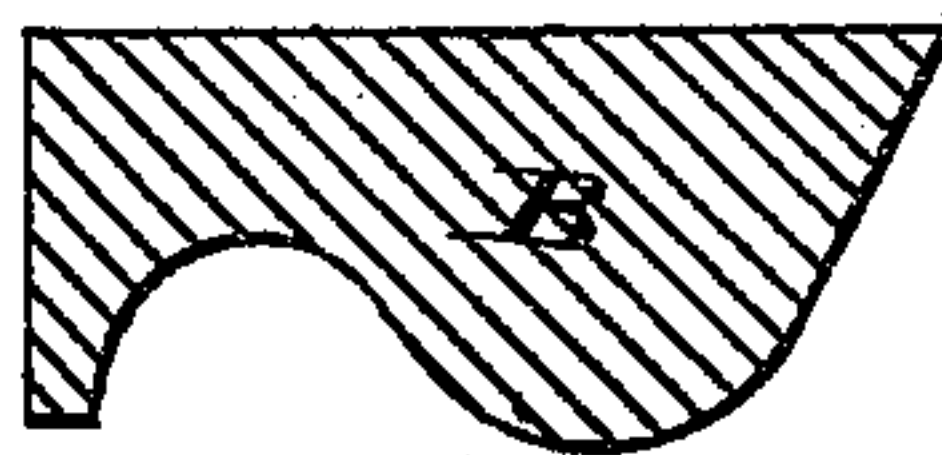


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

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MOLD FOR THE MANUFACTURE OF GLASS LAMPS AND LAMP-FOUNTS.

SPECIFICATION forming part of Letters Patent No. 297,430, dated April 22, 1884.

Application filed December 4, 1883. (No model.)

To all whom it may concern:

Be it known that I, J. F. MILLER, a citizen of the United States, residing at Martin's Ferry, in the county of Belmont and State of Ohio, have invented certain new and useful Improvements in Molds for the Manufacture of Glass Lamps and Lamp-Founts, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to the manufacture of glass lamps and lamp-founts, in the upper surface of which is formed an annular groove or depression of suitable depth for catching such oil as may in filling the lamp be accidentally spilled onto the bowl, or which may drip down from the wick-tube or burner, so that the oil shall not be liable to run down onto the stem by which the lamp is ordinarily carried, nor onto the table or stand on which the lamp may be placed.

Referring to the drawings, Figure 1 is a sectional view of the mold, showing a fount or lamp-bowl formed therein. Fig. 2 is a top view. Fig. 3 is a top view of the removable ring. Fig. 4 is a sectional view of the ring.

C represents a section of the ordinary two-part mold, provided with the usual handles, and a cavity formed therein of the desired shape to give to the body of the article the requisite form.

D is the usual base-plate or stand on which the main portion of the mold rests, and is held to said base by the annular tongue *a*, which fits into the annular groove *b*, formed in the section C. The usual dovetail may, however, be employed for holding the main mold-section to the base.

A is the top or cover of the mold-section C, and is made in two sections, and hinged to the sections C at the back part, so that the sections can be opened and the newly-formed article taken from the mold. The top or cover A is dovetailed onto the main body of the mold, as shown at E, which serves to hold the two sections firmly together when in position for use.

B is a solid removable ring, which is seated in an offset, *b'*, in the main mold-section, the upper surface of which is flat, and on which

the top or cover A rests, to hold the said ring in position. The lower portion or face of the ring B is of the form shown in Figs. 1 and 4, which, when the article is blown in the mold, forms an annular groove or depression in the top of the fount or bowl, said groove serving as a receptacle to catch any waste oil which may be spilled on the bowl. The ring B is provided with a handle, F, which projects through a groove cut in the joint of the cap or cover A, so as to allow the handle to rest therein without interfering with the closing of the sections of the cap or cover A. It will be noticed that the ring B is not secured to the mold at any point, but is removable therefrom, and when so removed after the article has been formed in the mold permits the mold-sections to be opened out and the article to be removed therefrom without liability to break or distort the article.

The operation of my device is as follows: The mold-sections C being closed onto the base D, the ring B is then placed in position in the seat *b'*. The bulb of glass on the blow-pipe is then introduced into the mold-cavity through the center of the ring B and the top sections closed by an attendant. The blowing operation is then continued until the article is formed. When the article has cooled sufficiently, the tops or sections of A are swung back out of the way, the ring B removed, and the main sections of the mold opened, so that the newly-formed article can be removed therefrom. In cases where the article has plain tapering sides, which will permit it to be lifted vertically out of the mold, the main mold-section will be made in one piece—*i. e.*, without being hinged together in sections.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A mold for the manufacture of lamp founts or bowls, provided with a solid removable ring located beneath the folding or hinged top of the mold, said ring being adapted to form an annular depression or groove in the top of the fount or bowl, as set forth.

2. A mold for the manufacture of lamp

founts or bowls, provided with a recess in its top to receive a solid removable ring, and a hinged cap or cover adapted to hold said ring in position, as set forth.

- 5 3. In a glass mold, the base D and mold-sections C, provided with an annular offset, *b'*, in combination with a removable ring, B, and hinged cap or cover A, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN F. MILLER.

Witnesses:

A. W. KERR,
W. M. LUPTON.