

(No Model.)

M. O. REHFUSS.

FRUIT JAR.

No. 353,503.

Patented Nov. 30, 1886.

FIG. 1.

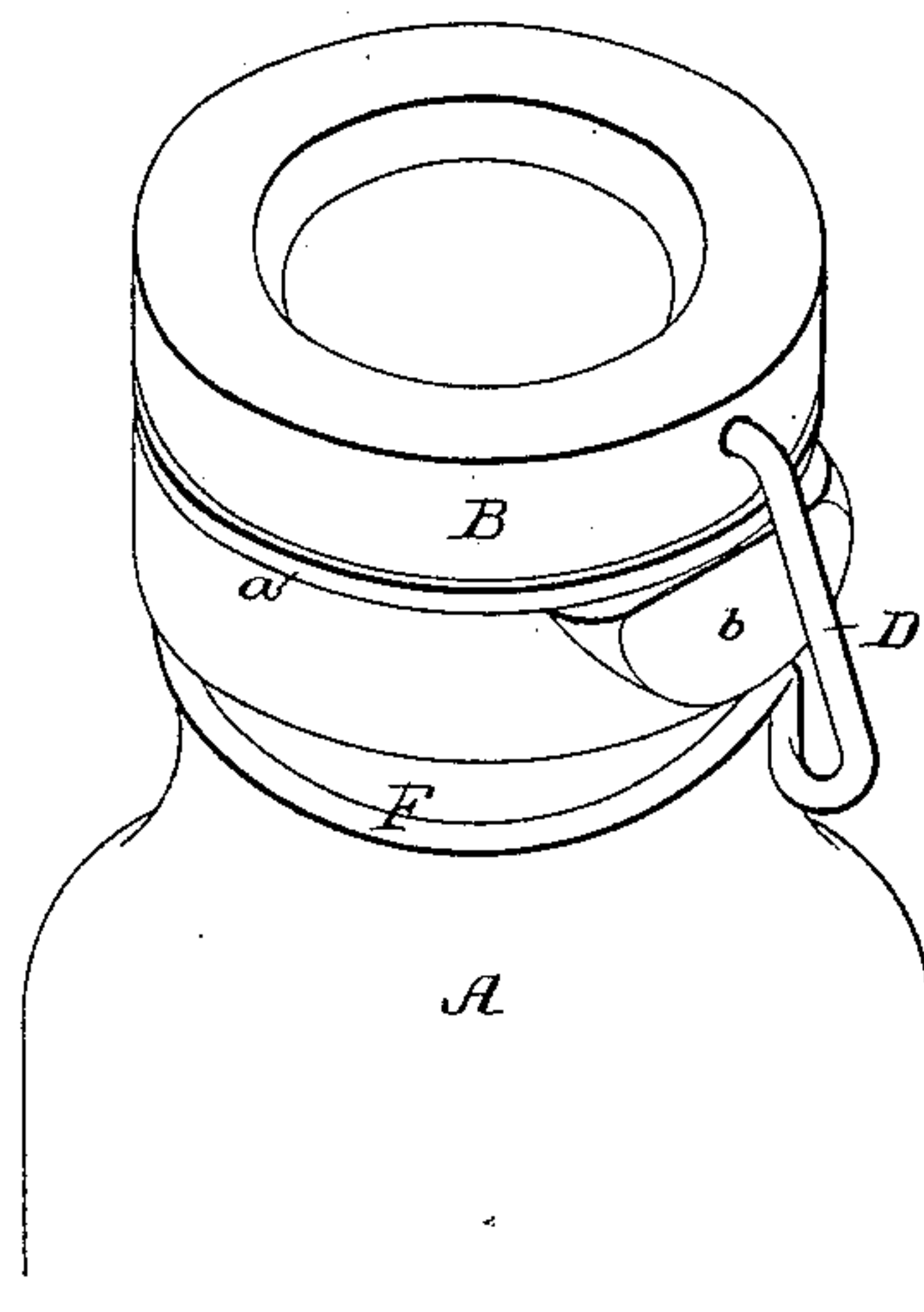


FIG. 2.

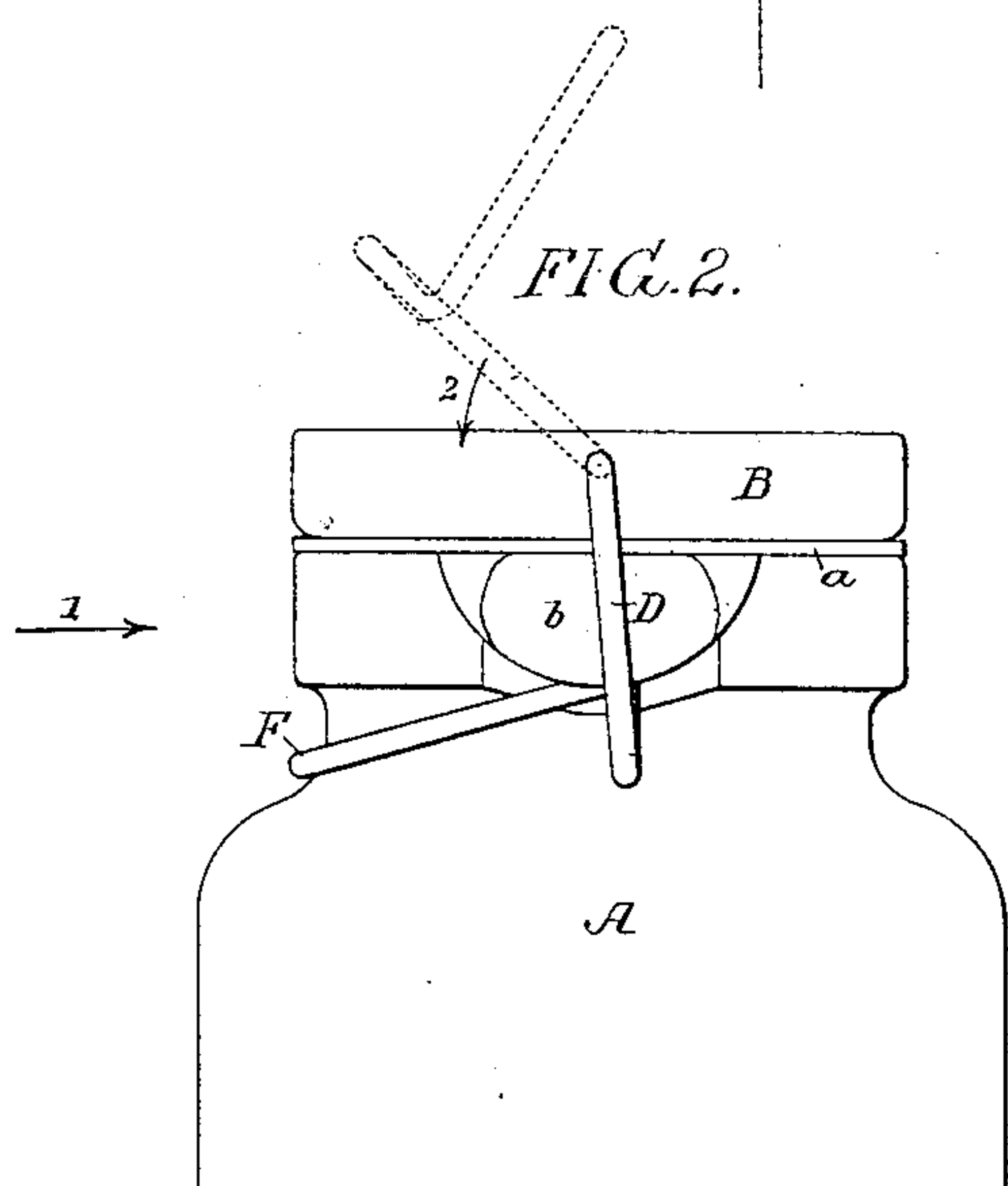


FIG. 3.

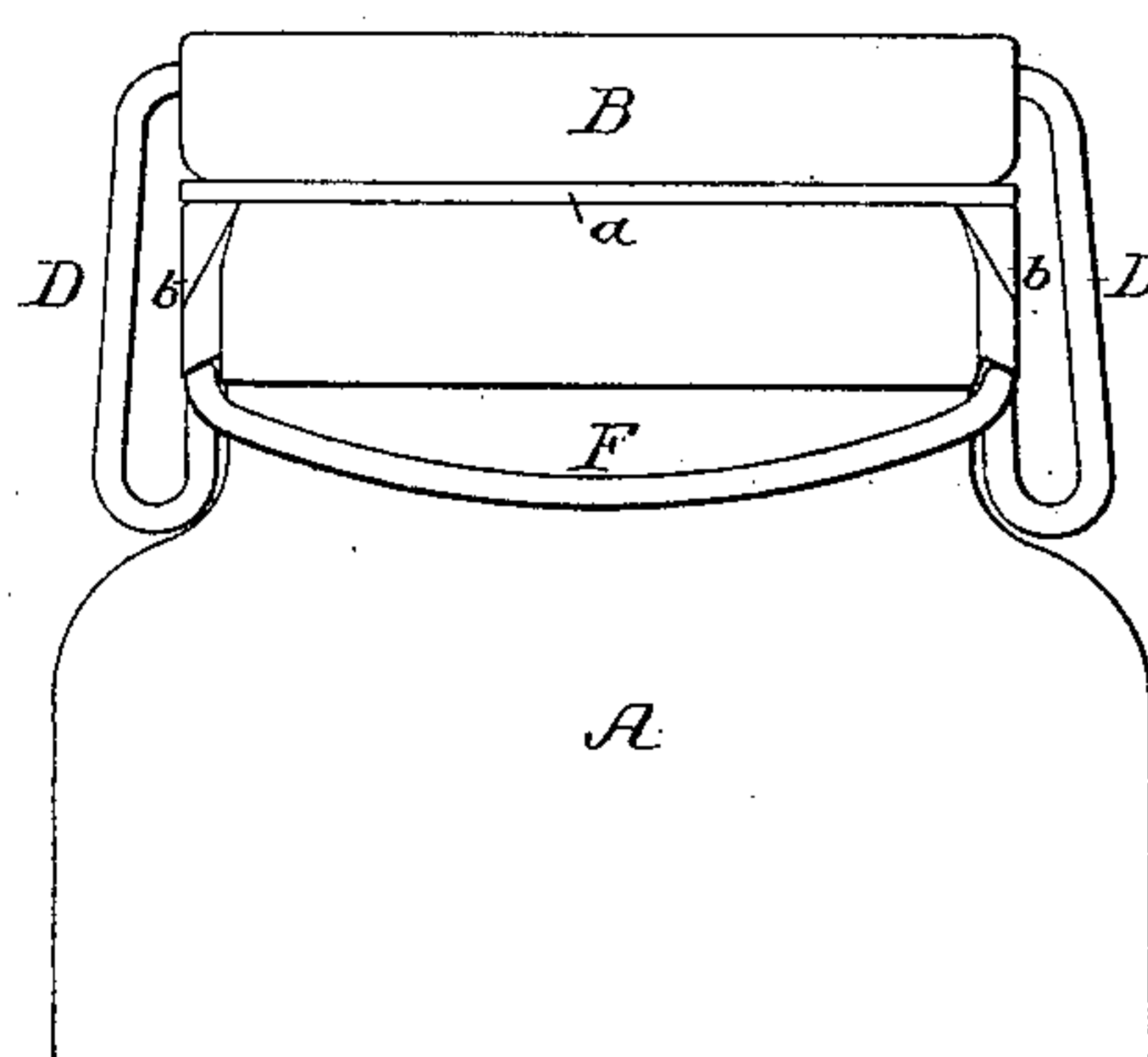
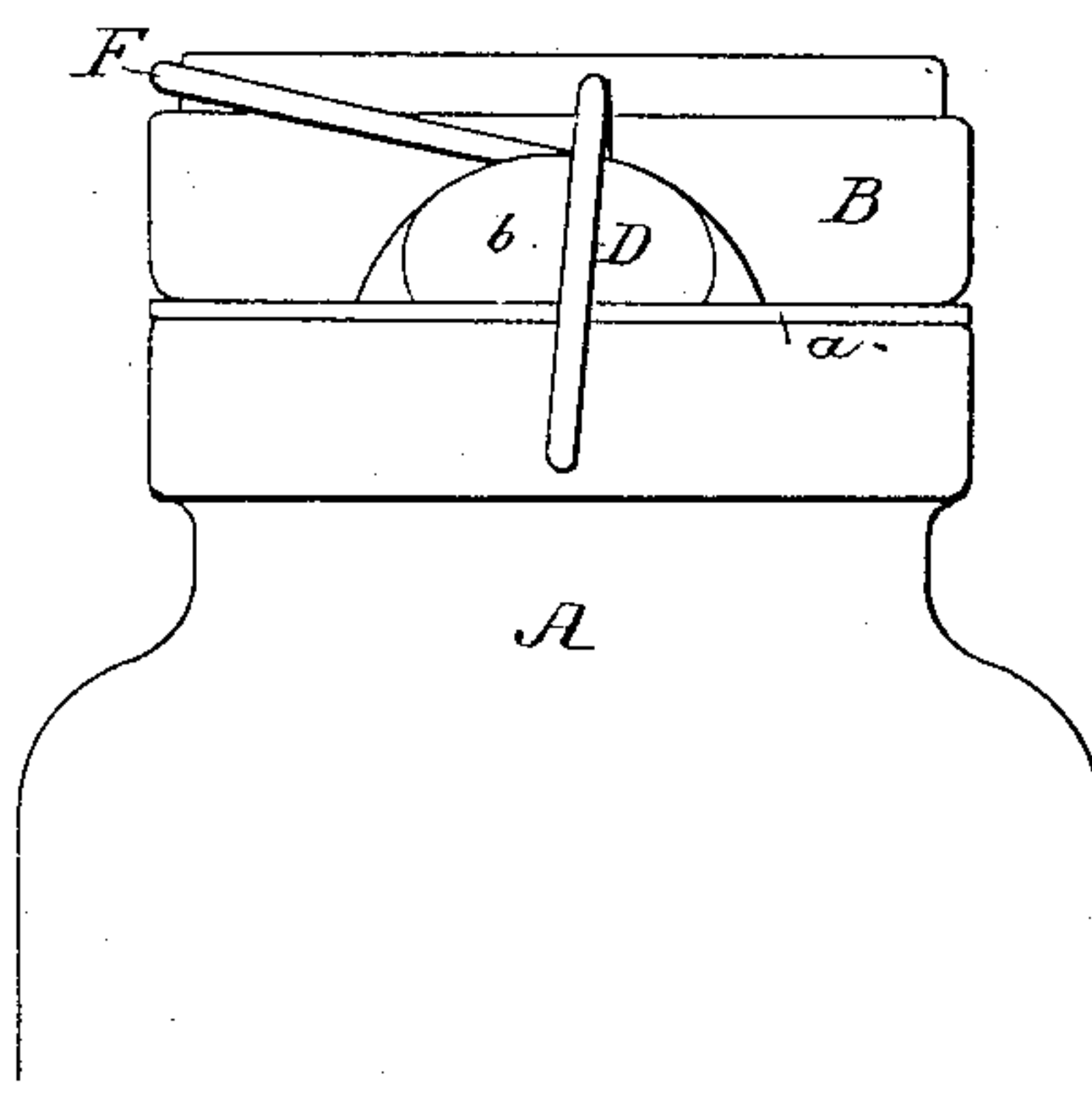


FIG. 4.



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by his Attorneys  
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# UNITED STATES PATENT OFFICE.

MARTIN O. REHFUSS, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO  
THE JOLY STOPPER COMPANY, OF SAME PLACE.

## FRUIT-JAR.

SPECIFICATION forming part of Letters Patent No. 353,503, dated November 30, 1886.

Application filed September 15, 1886. Serial No. 213,584. (No model.)

*To all whom it may concern:*

Be it known that I, MARTIN O. REHFUSS, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain  
5 Improvements in Fruit-Jars, of which the following is a specification.

My invention consists of certain improvements in that class of fastening devices for the caps of fruit-jars in which pivoted retaining-  
10 arms hung to the cap of the jar engage with cams on the neck, or in which the reverse arrangement is adopted, the cams being on the cap and the retaining-arms being pivoted to the neck of the jar.

15 The object of my invention is to so construct such a fastening device as to provide for the ready pivoting of the retaining-arms to the cap or jar, and to insure the effective application of power to the retaining-arms in  
20 closing the jar.

In the accompanying drawings, Figure 1 is a perspective view of the upper portion of a fruit-jar having a cap-retainer constructed in accordance with my invention; Fig. 2, a side  
25 view of the same; Fig. 3, a view looking in the direction of the arrow 1, Fig. 2; and Fig. 4, a view similar to Fig. 2, but illustrating a modification of my invention.

In Figs. 1, 2, and 3, A represents part of the  
30 body of the jar, the mouth of which is constructed for the reception of the packing-ring *a*, and on opposite sides of the neck of the jar are formed cams *b*, the under faces of which are preferably undercut or beveled, as shown  
35 in Fig. 3.

The cap B of the jar rests upon the packing-ring *a*, and in opposite sides of this cap are formed openings for the reception of the upper bent ends of the retaining-arms D D, which  
40 are thereby pivoted to the cap, so as to be free to swing thereon, the lower ends of the arms being bent inward and upward, so as to engage with the inner faces of the cams *b*, as shown in Fig. 3.

45 The lower or bearing ends of the arms D are connected by a semicircular yoke, F, which serves as a means of operating the arms, and also to prevent undue movement of the same, the yoke coming in contact with the neck of

the jar when the arms D have reached such a 50 position as to properly retain the cap.

When the cap is applied to the jar, the arms D and yoke F may be in the elevated position shown by dotted lines in Fig. 2; but as the arms D are swung downward, as shown by the  
55 arrow 2 in said figure, the inwardly-bent lower ends of the arms engage with the cams *b*, and the cap is thereby drawn down firmly upon the packing-ring *a*, so as to insure a tight joint, the arms being prevented from spring-  
60 ing laterally out of engagement with the cams *b* owing to the undercut or beveled under faces of the latter. Owing to the yoke F, such a leverage can be exerted upon the arms D as to insure the imparting of necessary pressure  
65 to the cap with the exercise of but slight effort, the power being applied directly to those portions of the arms which bear upon the cams.

In Fig. 4 I have shown a modification of my invention, in which the cams *b* are formed upon  
70 the opposite sides of the cap B, the confining-arms being pivoted to the neck of the jar. The operation of this form of fastening is substantially similar to that of the fastening shown in Figs. 1, 2, and 3. 75

I am aware that bottle stoppers have been provided with pivoted retainers for engagement with the usual horizontal flange around the bottle-neck below the mouth; but in my improved fastening the cams *b* are essential,  
80 as without these I cannot impart to the cap the downward pressure necessary in order to form the desired tight joint.

I therefore claim as my invention—

1. The combination of the jar and its cap 85 with cams formed upon one of said parts and retaining-arms pivoted to the other part, and having bearing portions, and a yoke connecting the same, the parts being arranged in respect to each other as specified, whereby as  
90 the arms swing their bearing portions engage with the cams and cause the cap to be drawn down firmly to its seat on the jar, all substantially as specified.

2. The combination of the jar and its cap 95 having cams and recesses, as described, retaining-arms having bent or pivoted ends adapted to the recesses, and bearing portions connected



by a yoke, the parts being arranged as specified, whereby as the arms swing on their pivots the bearing portions of said arms engage with the cams and cause the cap to be drawn  
5 down firmly upon its seat on the jar, all substantially as specified.

In testimony whereof I have signed my name

to this specification in the presence of two subscribing witnesses.

MARTIN O. REHFUSS.

Witnesses:

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HARRY SMITH.