

(No Model.)

H. P. BROOKS.

BOTTLE STOPPER.

No. 362,245.

Patented May 3, 1887.

Fig. 3.

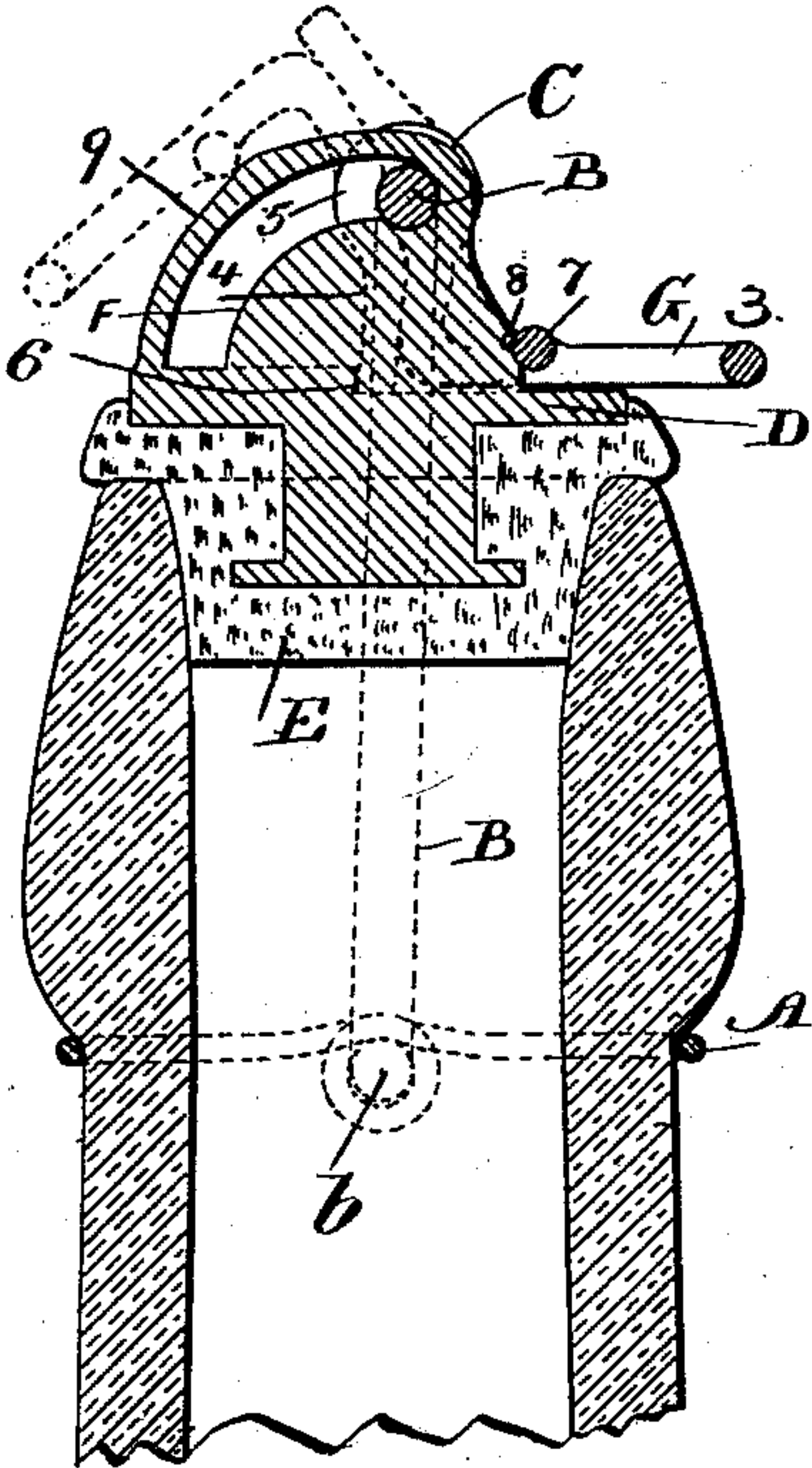


Fig. 1.

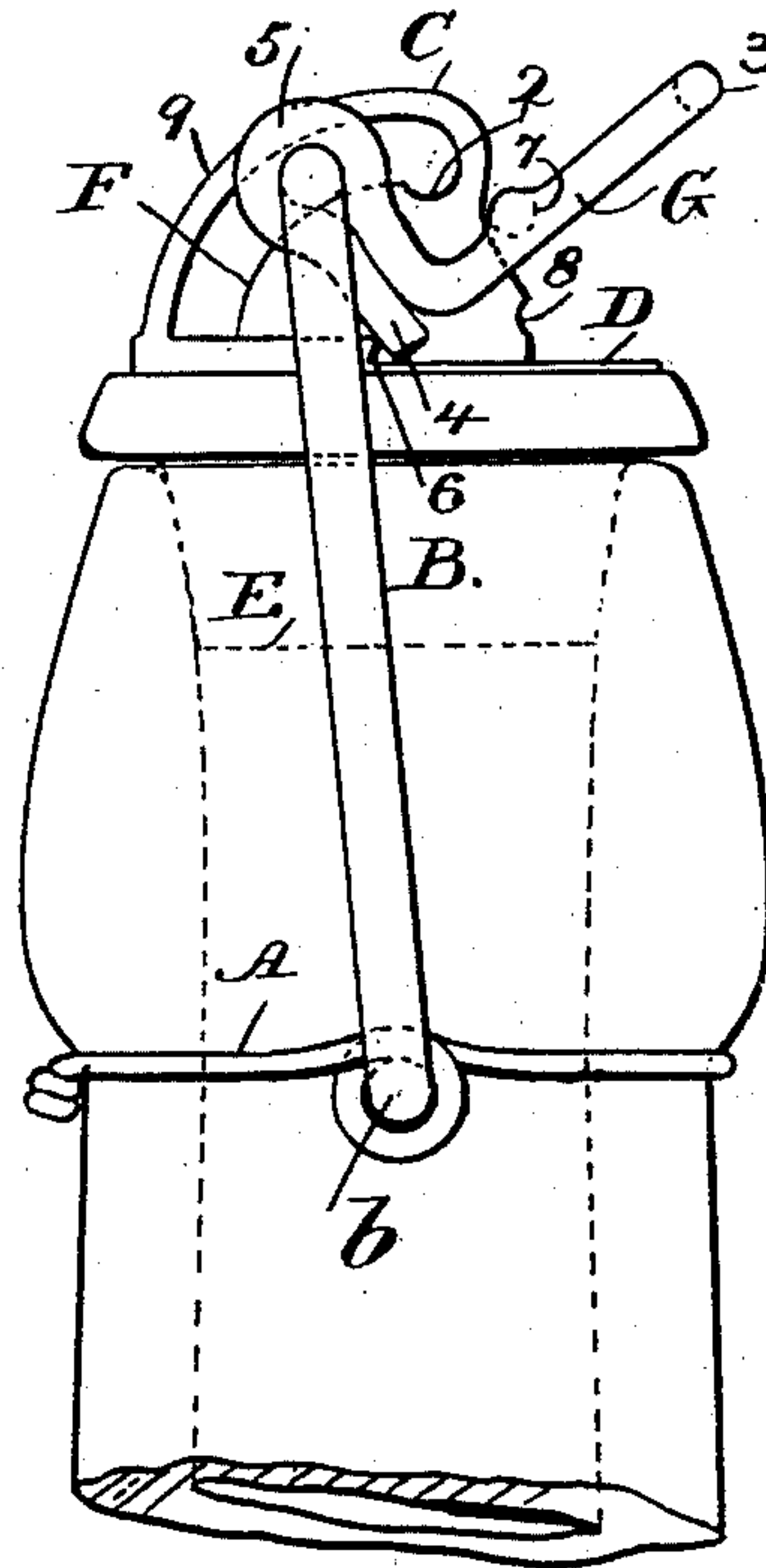
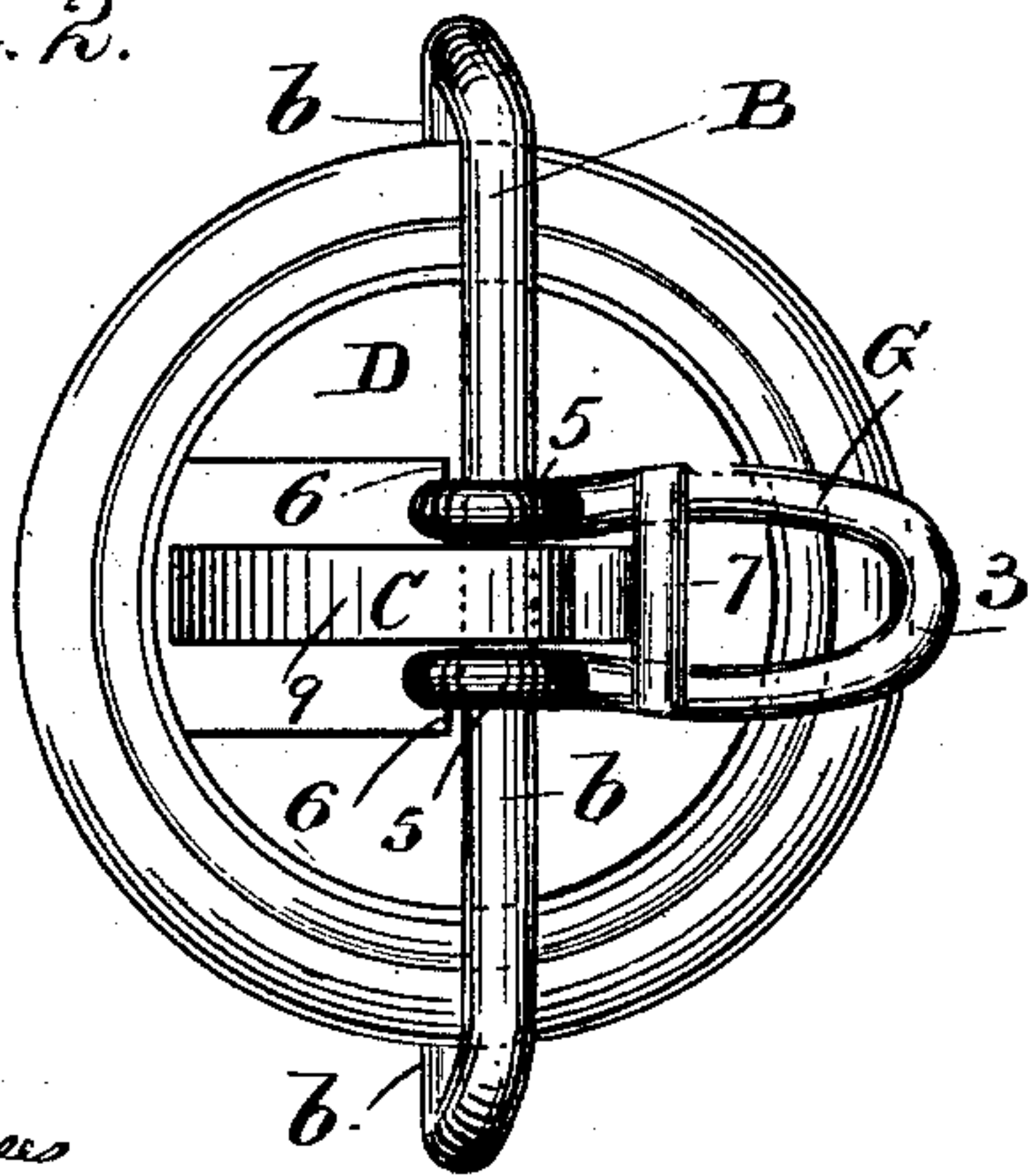


Fig. 2.



Witnesses

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per Lemuel W. Serrell

attys

UNITED STATES PATENT OFFICE.

HEMAN P. BROOKS, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF
TO CHARLES W. KANE, OF SAME PLACE.

BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 362,245, dated May 3, 1887.

Application filed March 30, 1887. Serial No. 232,930. (No model.)

To all whom it may concern:

Be it known that I, HEMAN P. BROOKS, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Bottle-Stoppers, of which the following is a specification.

In bottle-stoppers it is common to employ an elastic button or plug beneath a cap-plate, and upon this cap-plate an arch or bow has been provided, through which the swinging bail passes.

My present invention relates to this general class of stoppers; and it consists in the peculiar construction and combination of the parts hereinafter set forth.

In the drawings, Figure 1 is a side elevation of the stopper. Fig. 2 is a plan view, and Fig. 3 is a vertical section.

The neck-band A receives the pivots *b* at the lower ends of the swinging bail B, and this bail passes through the space below the arch C on the cap-plate D, and E is the elastic button or stopper. Upon the cap-plate and within the arch C is the cam F, the upper edge of which is slightly recessed at 2, and the bail is sprung into this recess when the stopper is closed upon the neck of the bottle.

The lever G is made use of for prying the bail into and out of the recess 2. This lever is made of wire, bent double at 3, and having right-angle ends 4, with eyes 5, through which the bail passes.

There are projections 6 upon the cap-plate D, against which the right-angle ends 4 act as the lever is forced down into the position shown in Fig. 1, and the bail is thereby pried along over the cam F into the recess 2, and in so doing the stopper is forcibly pressed upon the mouth of the bottle. There is a cross-piece, 7, upon the lever G, which springs into the recess 8 in the outer edge of the arch C, and

thereby prevents the lever G swinging loosely as the strain in closing the bottle is taken upon the cam F at the recess 2.

When the bottle is to be opened, the double end 3 of the lever G is pressed upwardly to free the cross-piece 7 from the notch 8, so that the lever is loose, and it is swung over into the position shown in Fig. 3, and the cross-piece 7 rests upon the cam projection 9 of the arch C, and the further movement of the lever G by the thumb causes the cross-piece 7 to slide along over the cam 9, and in so doing the bail B is lifted from the recess 2 and drawn back over the cam F, so as to liberate the stopper and allow the bail and stopper to swing freely as the stopper is removed from the neck of the bottle.

I claim as my invention—

1. The combination, with the swinging bail and elastic stopper, of a cap-plate having an arch, C, with the cam projection 9 upon it, and the cam F, having a recess, 2, and the wire lever G, bent double at 3, and having the right-angle ends 4 and eyes 5, through which the bail passes, and the cross-piece 7, substantially as set forth.

2. The combination, in a bottle-stopper, of the elastic stopper, the cap-piece having the arch C and cam F, with the recess 2, the swinging bail pivoted to the neck-band and passing through the arch C, the lever G, of wire, bent double at 3, and having the right-angle ends 4 and eyes 5, and the cross-piece 7 upon the lever G springing into the notch 8 upon the arch C when the stopper is closed, substantially as set forth.

Signed by me this 18th day of March, 1887.
HEMAN P. BROOKS.

Witnesses:

GEO. T. PINCKNEY,
WILLIAM G. MOTT.