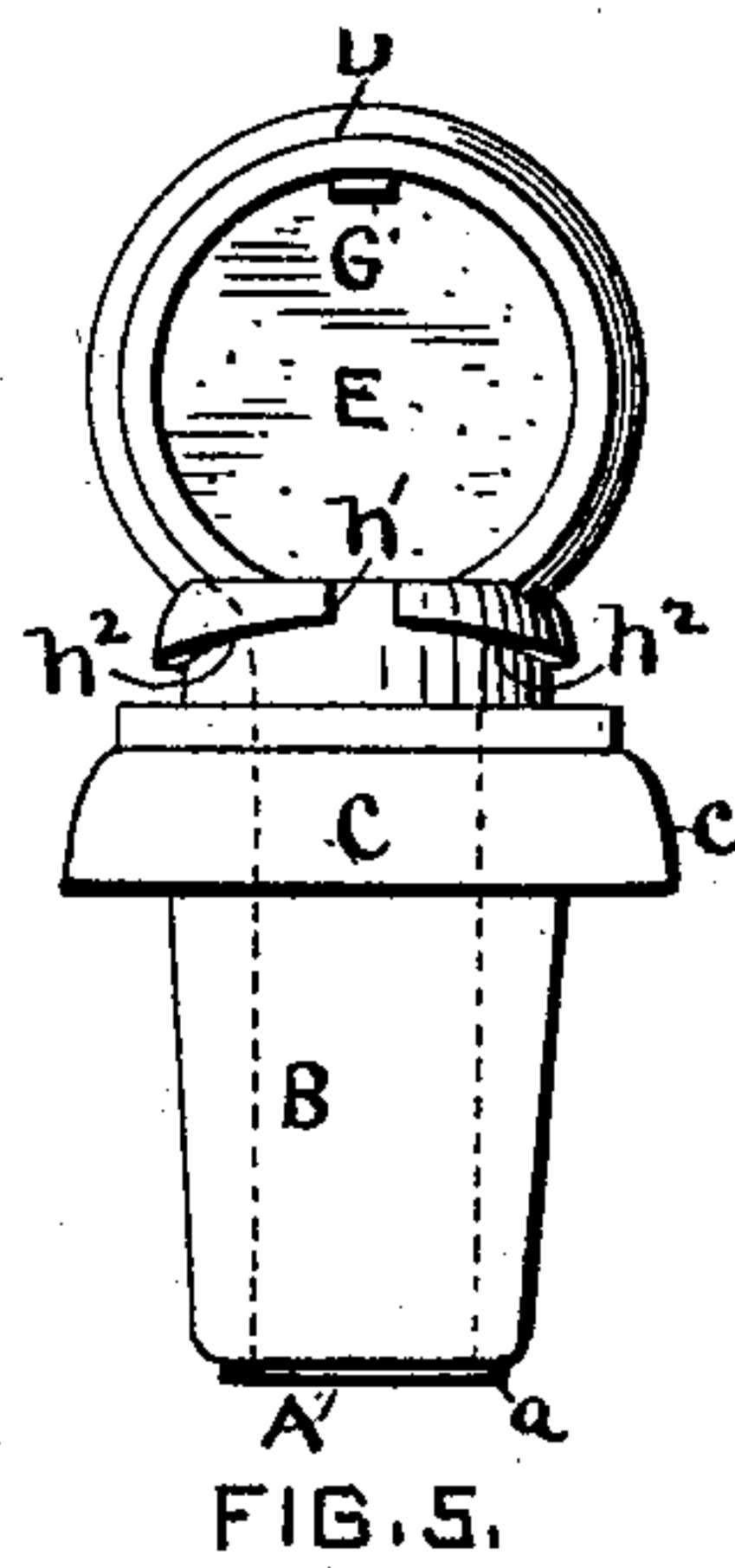
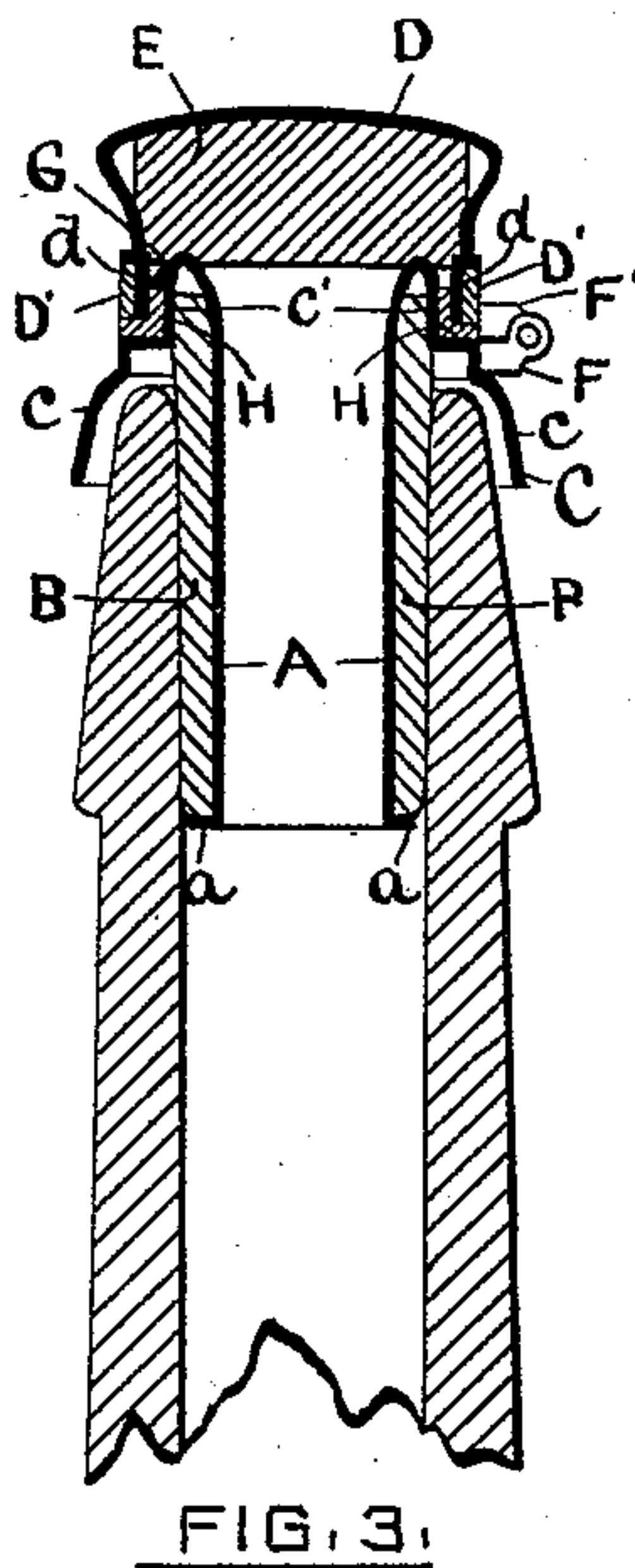
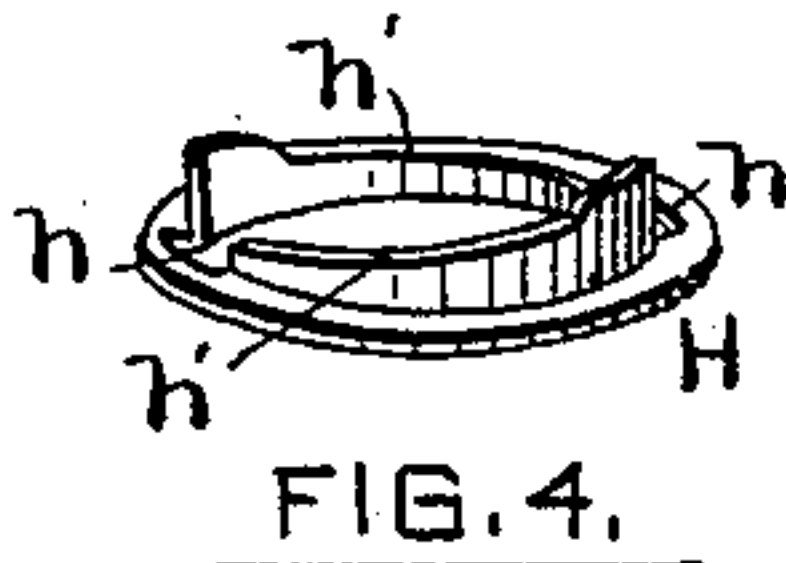
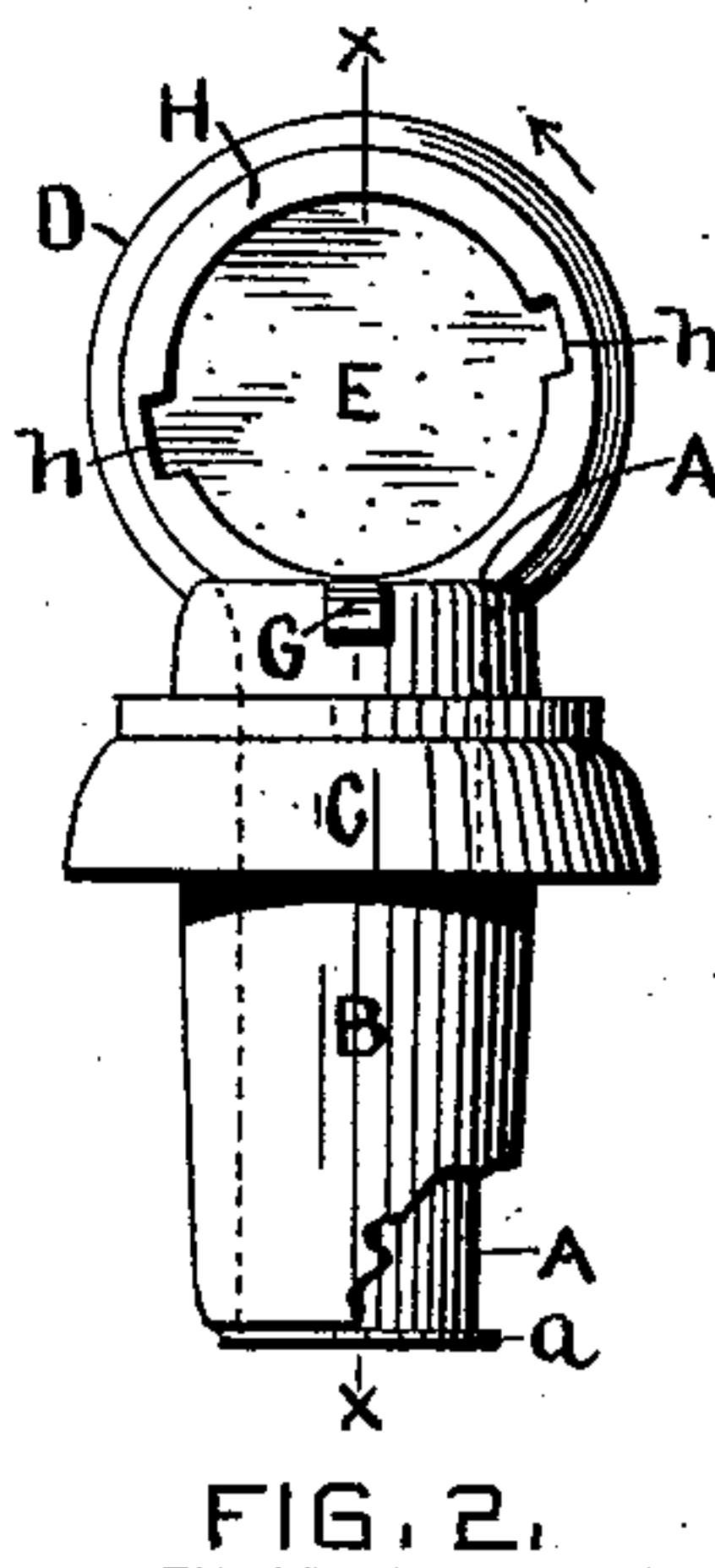
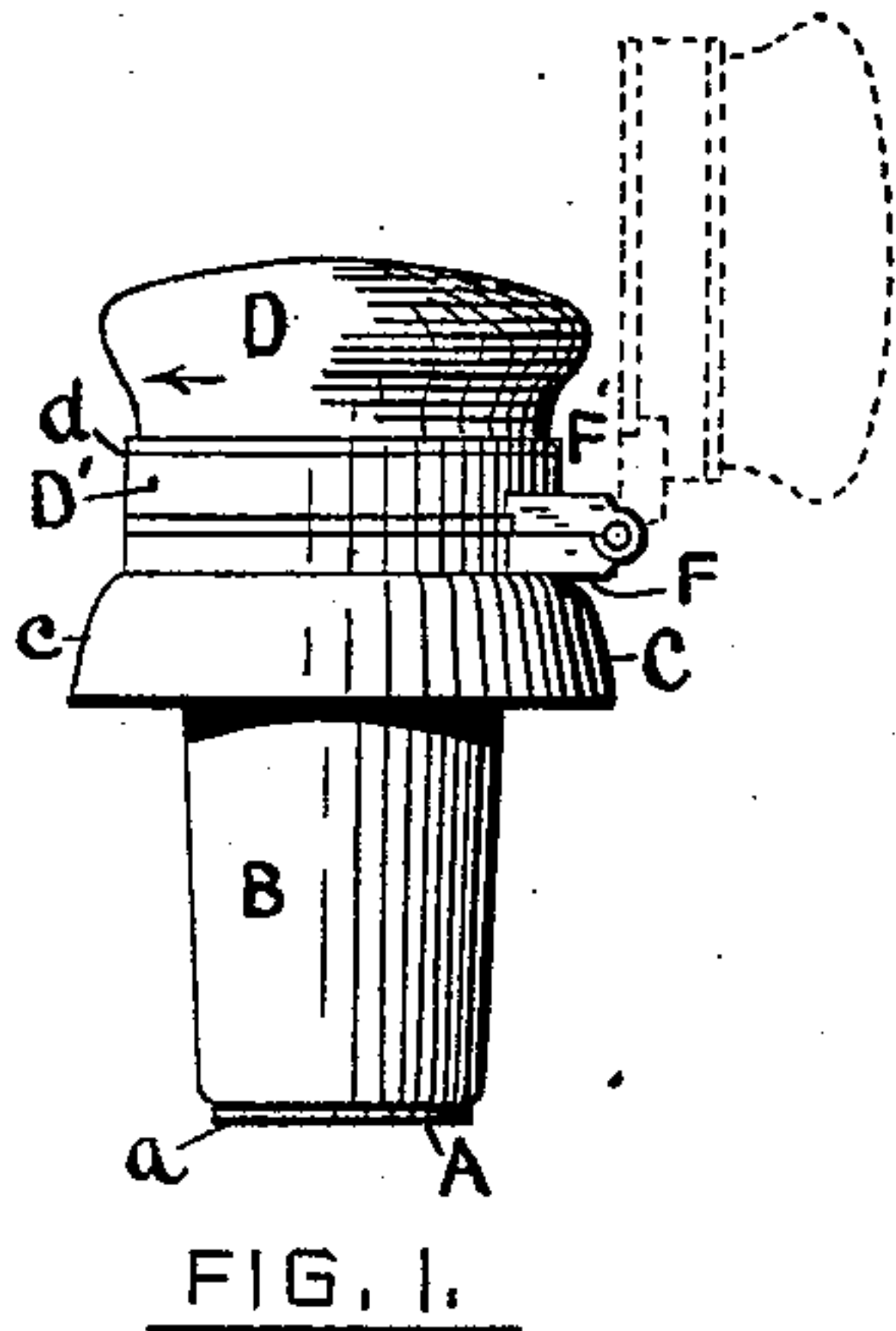


(No Model.)

E. KETTERLINUS.
BOTTLE STOPPER.

No. 471,746.

Patented Mar. 29, 1892.



WITNESSES.

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EUGENE KETTERLINUS, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
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ISLAND.

BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 471,746, dated March 29, 1892.

Application filed August 6, 1891. Serial No. 401,827. (No model.)

To all whom it may concern:

Be it known that I, EUGENE KETTERLINUS, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Bottle-Stoppers; and I do hereby declare the following specification, taken in connection with the accompanying drawings, forming a part of the same, to be a description thereof.

10 This invention relates to a stopper for use in reclosing bottles of liquors and wines after the original corks have been withdrawn, so that the bottle will be protected from leakage, and yet the contents can be conveniently re-
15 moved from time to time in desirable quantities.

The invention consists in certain features of construction and arrangement hereinafter described and claimed.

20 Referring to the drawings, Figure 1 shows a side view of a stopper embodying the invention with its cap closed. Fig. 2 shows a side view of the same at right angles to the view in Fig. 1 with the cap raised. Fig. 3
25 represents a central vertical section on line x x of Fig. 2 of the stopper applied to the neck of a bottle. Fig. 4 shows in perspective a ring, which is attached to the interior of the cap-piece. Fig. 5 shows a side view of the stop-
30 per with modified means for locking the cap closed.

The stopper consists of a central tube A, around and upon which a tubular cork B is mounted, the cork preferably being tapered
35 and being held upon the tube by a flange a upon the lower end of the latter. The upper end or mouth of the tube is preferably bell shape, and from said end an annular flange portion C extends downwardly, such flange
40 having an enlarged part c , which is intended to pass over and encompass the upper end of the bottle-neck, as shown in Fig. 3, so that the stoppered bottle shall present a neater appearance. Preferably the cork B passes up
45 and fits into the space between the tube A and the portion c' of the flange C, so that the cork shall be confined at its upper end, as shown in Fig. 3. A cap-piece D is arranged to close the mouth of the tube A, the said cap-
50 piece being hollow or cup shape, and a por-

tion of its interior is filled or packed by a disk of cork E, which is held in place in any suitable manner, as by fitting tightly within the cap or by being cemented thereto. Upon its exterior the cap-piece is provided with a
55 circumferential groove d , which receives a ring D', so that the cap-piece is swiveled to revolve upon said ring, and hinge-plates F F' (the former secured to the flange C and the latter to the ring D') pivot or hinge the cap-
60 piece so it can be swung upward and backward to unseal the mouth of the tube A and allow the contents of the bottle to be poured out.

For forcing the cork disk E into intimate
65 contact with the upper end of the tube A, and thereby securely sealing the mouth of the tube when the cap-piece is closed, the flange C is furnished with a stud or nose G, Figs. 2 and 3, and a ring H is secured upon the lower
70 end of the cap-piece D, the said ring being provided with one or more notches h (two being shown in Fig. 2) to allow the cap-piece to close when one of said notches registers with the nose or stud G, and the top edge of said
75 ring is inclined upwardly at h' , Fig. 4, from said notches, so that when the cap-piece, after being closed, is turned in the direction of the arrow, Figs. 1 and 2, the engagement of the inclined upper edge h' of the ring with
80 the lower side of the stud G will force the cork disk E down upon the upper end of the tube A and seal its mouth and lock the cap-piece closed. When the cap-piece is turned in the opposite direction until the notch h
85 registers with the nose G, the cap-piece can be swung upward and backward, as will be readily understood.

In place of locating the stud G on the flange C and providing the cap-piece with the
90 notched ring H, having its top edge inclined as hereinbefore described, a stud G', Fig. 5, may be located on the cap-piece, and the flange C be indented at h' , and an inclined shoulder or shoulders h^2 be formed on the
95 flange, as shown in Fig. 5, so that when the stud G' is made to register with the indentation h' and the cap-piece is closed and turned the mouth of the tube A will be sealed, as hereinbefore explained.

The stopper is intended to be manufactured and sold for application to bottles by individuals, and all parts of the article (except the corks B and E) are preferably made of metal. The design of the cap-piece D and flange C can be of any preferred and proper form, and may be as ornamental as desired.

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

1. As an improved article of manufacture, a stopper for reclosing bottles, which consists of a tube A, having a tubular cork secured upon its exterior and adapted to enter the neck of a bottle, a flange portion C, projecting downwardly from the tube and adapted, as described, to encompass the upper end of the bottle-neck, a cap-piece D, provided with a cork packing E, and swiveled to revolve upon a ring D', which is hinged to said flange portion, and means, substantially as described, for enabling the cork packing E to be forced into intimate contact with the upper end of the tube to seal its mouth, substantially as set forth.

2. The combination of the tube A, having a flange portion C projecting downwardly therefrom and adapted, as described, to en-

compass the upper end of a bottle-neck, a tubular cork mounted upon the exterior of said tube and passing up between said tube and the portion *c'* of said flange portion, a flange *a* on the lower end of the tube, a cap-piece D, provided with a cork packing E, and swiveled to revolve upon a ring D', which is hinged to the flange portion, a stud G, located upon the flange portion C, and a notched ring H, secured to the cap-piece and having its upper edge inclined, substantially as and for the purposes specified.

3. A stopper for reclosing bottles having a central tube A, surrounded by an attached tubular cork B, which is adapted to enter and fit the neck of a bottle, a hinged ring D', connected to the tube, a cap-piece D, swiveled to revolve in said ring and furnished with a cork packing E, and means, substantially as described, for enabling the cork packing E to be forced into intimate contact with the upper end of the tube A to seal its mouth, substantially as set forth.

EUGENE KETTERLINUS.

Witnesses:

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GEO. M. CADY.