(No Model.)

A. BOISSELIER.

CAP FOR BOTTLES.

No. 563,125. Patented June 30, 1896.

Fig. 1.

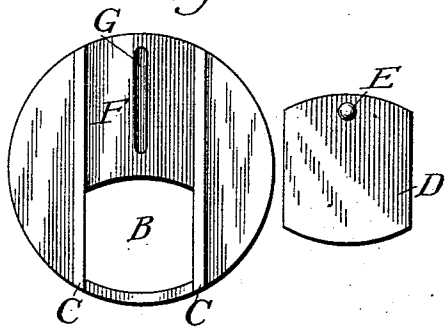


Fig. 2.

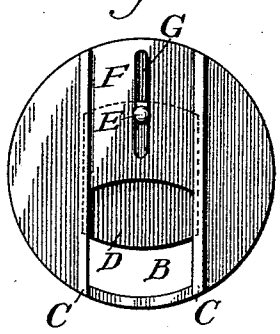


Fig. 3.

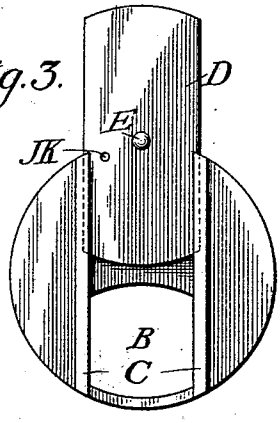


Fig. 4.

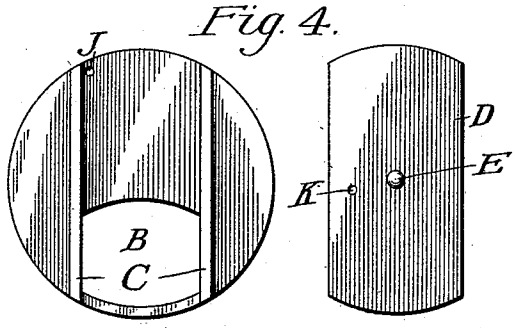
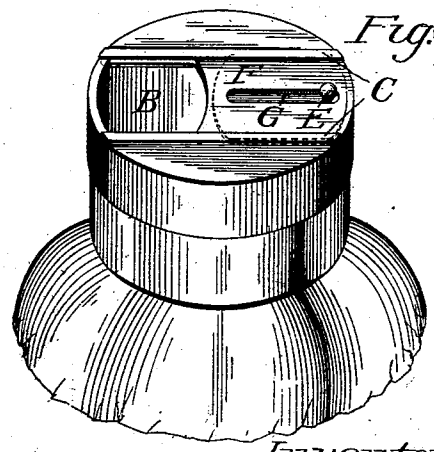


Fig. 5.



Witnesses.
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UNITED STATES PATENT OFFICE.

ASTOR BOISSELIER, OF LONDON, ENGLAND.

CAP FOR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 563,125, dated June 30, 1896.

Application filed November 29, 1895. Serial No. 570,573. (No model.) Patented in England November 22, 1894, No. 22,611.

To all whom it may concern:

Be it known that I, ASTOR BOISSELIER, a subject of the Queen of Great Britain, residing at Enfield, London, in the county of Middlesex, England, have invented a new and useful Cap or Cover for Bottles, Jars, and other Vessels, (for which I have obtained a patent in Great Britain, No. 22,611, bearing date November 22, 1894,) of which the following is a specification.

My invention relates to improvements in caps or covers for bottles, jars, tins, or other vessels containing viscid liquids, and the objects of my improvement are, first, to obviate the necessity of removing the cork or stopper of such vessels every time the contents or part thereof are required for use; second, to avoid the inconvenience of extracting said viscid liquids from their containing vessels with a spoon or similar utensil; third, to allow any required quantity of such substances to be poured out of any containing vessel fitted with my aforesaid cap in such a manner that the flow can be instantly and cleanly cut off, thus avoiding the well-known inconvenience always experienced in dealing with said viscid liquids. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figures I, II, III, and IV are plan drawings of my invention, and in Fig. V my invention applied to a bottle is shown in perspective.

Fig. I is a plan drawing of my improved contrivance provided with an aperture B and two grooves C C, into which fits the slide D, provided on the upper surface with a small knob or projection E. This slide D is adjusted so as to slide up and down between the two grooves C C over aperture B, covering same when pushed down and exposing same when drawn up. This said slide D may be kept in position and prevented from sliding out entirely by any convenient means, such, for example, as shown at F F in Fig. II, where the slide D moves between two layers of metal, the upper one being slotted at G to allow the knob or projection E to pass through it and to act as a check to the same.

Fig. II shows the slide D partly closing aperture B, dotted lines being used to show the exact position of slide D when inserted.

In Fig. III slide D is so constructed as to draw out beyond the rim of the cap. This slide D is made longer than in Figs. I and II. The knob E in this case may project on both the upper and lower surfaces, so that the lower projection may be utilized as a check, preventing said slide D being withdrawn entirely from the cap. The slide may be checked by any other convenient means.

An air-vent may be provided by forming a small circular aperture in the cap, as, for example, at J in Fig. IV, and a similar aperture at K in the slide D, Fig. IV. When said slide D is fully drawn back, these two apertures J and K coincide, as shown at J K, Fig. III, thus forming an air-vent. When slide is closed, both apertures J and K will be covered.

Fig. V is a perspective view of the top part of a bottle fitted with one form of my improved cap or cover. These caps may be made of metal or any other suitable material, and may be attached to the mouth of vessels by means of screw-thread or any other convenient means.

The action of my contrivance is as follows: The slide D being drawn entirely back, as, for example, in Fig. III, the liquid is allowed to pour out through aperture B by tilting the bottle, and at any instant the flow of liquid can be checked and cleanly cut off by closing the said slide D.

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

The herein-described cap or cover for bottles or other vessels, consisting of a flat-top cap provided with an aperture B, two grooves C C, a vent-hole J and a slide D with a knob or projection E and vent-hole K all substantially as, and for the purpose set forth.

Dated this 18th day of September, 1895.

ASTOR BOISSELIER.

Witnesses:
J. W. DRYSDALE,
W. JERRED.