

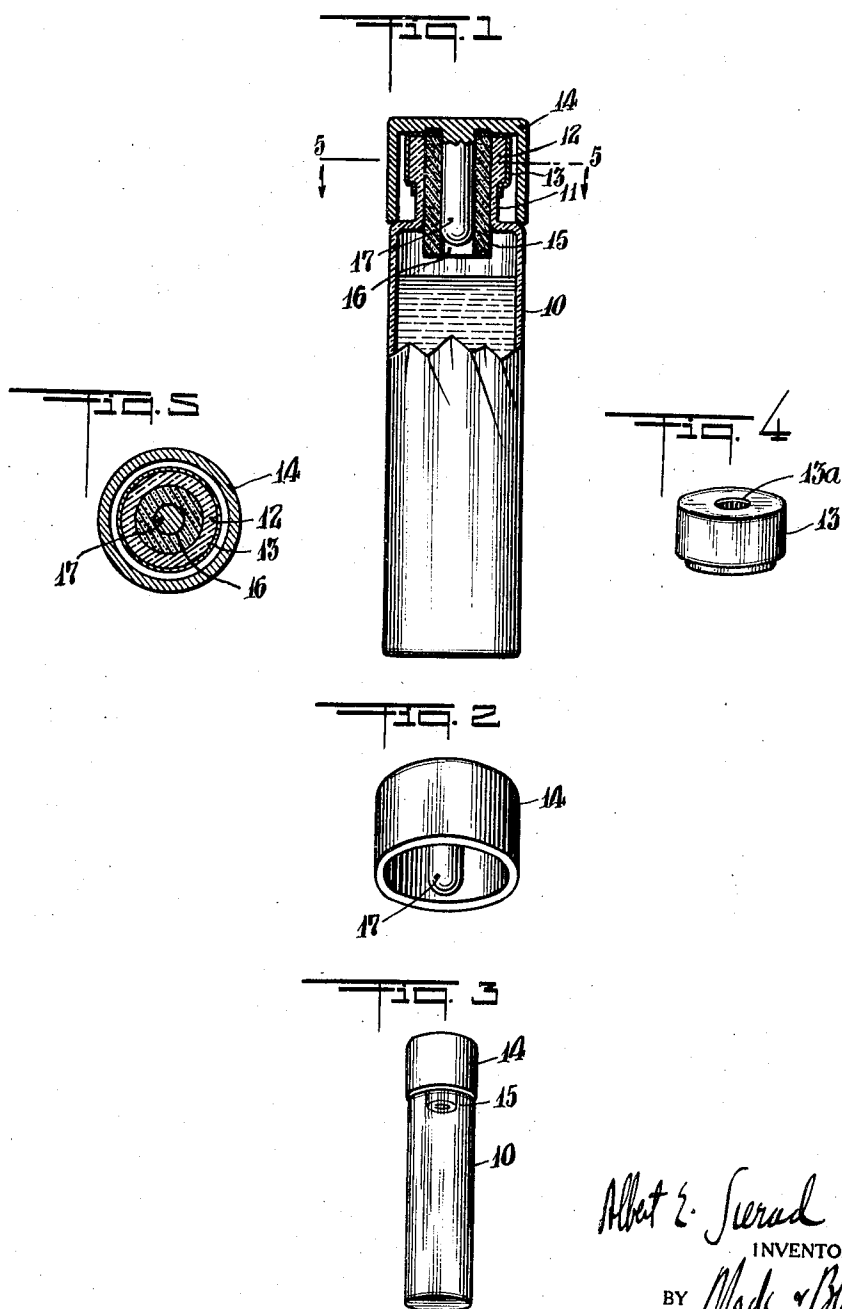
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CLOSURE FOR CONTAINERS

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CLOSURE FOR CONTAINERS

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This invention relates to improvements in closures for containers and more particularly to that class of glass containers having a small orifice therein through which a drop of perfume or other liquid may emerge by shaking the container.

A particular object of my invention is the provision of a container for perfumes and the like in which the closure will permit the delivery of a drop of liquid at a time and in which the container will be firmly sealed when the cap is applied to the closure.

Further objects of this novel type of closure will be apparent from the specification and drawings in which

Fig. 1 is a vertical section of a perfume vial with my improved closure applied thereto.

Fig. 2 is a perspective view of the outer cap used in this type of closure.

Fig. 3 is a perspective view of the vial and closure with the cap applied thereto.

Fig. 4 is an enlarged perspective view of the inner cap applied to the neck of the vial shown as 13 in Fig. 1.

Fig. 5 is a horizontal sectional view along the line 5-5 of Fig. 1.

To vial 10 having the constricted neck 11 and the mouth 12, is applied a perforated cork 15 having the opening 16 therein. After this cork is in place, a viscose cap 13 is then applied to the neck of the bottle.

It is understood that instead of a viscose cap any similar nitro-cellulose cap which, after being affixed hugs the neck of the bottle closely, can be used. The viscose cap, when applied, covers the neck of the bottle as well as the opening 16. This viscose cap adheres closely to the glass and to the cork covering and is at the same time slightly elastic.

The outer closure I employ is the cap 14 having the prong 17 in the center thereof, an enlarged view of the cap being shown in Fig. 2 and it also being clearly illustrated in Fig. 1.

This cap 14 is preferably made of bakelite or similar plastic composition which is unaffected by the liquid in the vial, although the cap 14 can also be made out of metal.

It should be understood that the vial used herein is filled before the cork or any part

of the closure is applied, the cork 15 being applied first, then the cap 13 and last of all, the cap 14. The cap 14 is inserted over the cap 13 and in the act of inserting the film covering, the opening 16, which is a part of the cap 13, is perforated by the prong 17. There is sufficient elasticity in the cap 13 so that the prong 17 in connection with the cork 15 naturally tends, in connection with the cap 13, to make a tight closure for the vial.

The outer rim of the cap 14 need not accurately fit the top of the vial 10 although the cap 14 conforms in size to the outer diameter of the vial 10.

I have also found that a satisfactory closure may be made by using an inner cap 13 of rigid material such as bakelite instead of viscose, but where such rigid material is used, I prefer to make a perforation in the center of same before it is affixed to the neck of the bottle or vial 10. In this case the prong 17 will not fit the perforation at the top of the cap 13 as accurately as where a viscose or similar cover is used, but a rigid cover of this character will still have the merit of covering and protecting the cork stopper 15.

Having fully described my invention, what I claim is:

1. In combination with a glass container, a perforated cork fitting the mouth of said container having its upper surface level with the mouth of said container, a viscose cap fitting tightly over said cork and neck of said container, and an outer cap of composition material fitting over said viscose cap, said outer cap having a centrally located member closing the opening in said cork.

2. In combination with a glass container, a perforated cork fitting the mouth of said container, and a viscose cap fitting tightly over the top of said cork and container, and a composition cap fitting over said viscose cap, the said composition cap having a centrally located member closing the orifice in the cork.

3. In combination with a glass container, a perforated cork fitting the mouth of said container, having its top surface flush with the top of the container, a viscose cap applied over said cork and top of the container, and a composition cap fitting over said viscose cap

having a centrally located member fitting the opening in said cork.

4. In combination with a glass container, a
perforated cork fitting the mouth of said con-
tainer, and a viscose cap fitting tightly over
5 the top of said cork and container, and a com-
position cap fitting over said viscose cap, the
said composition cap having a centrally
located member closing the orifice in the cork,
10 said viscose cap being partially disrupted by
said centrally located member.

In testimony whereof I affix my signature.
ALBERT E. SIERAD.

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