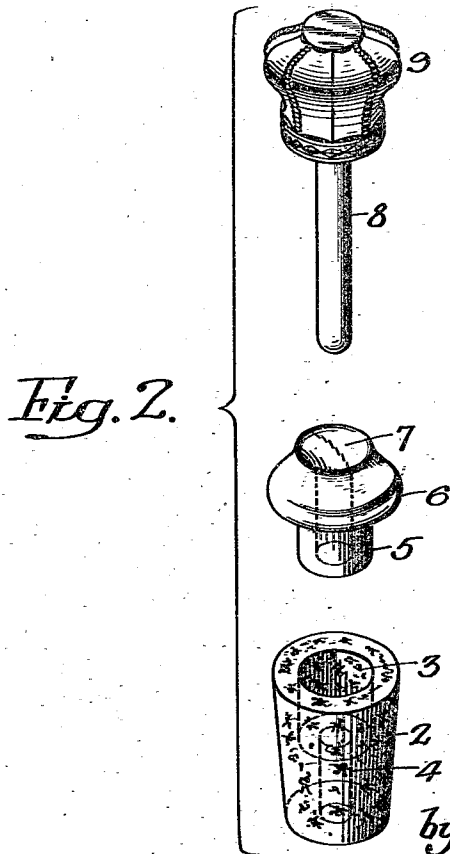
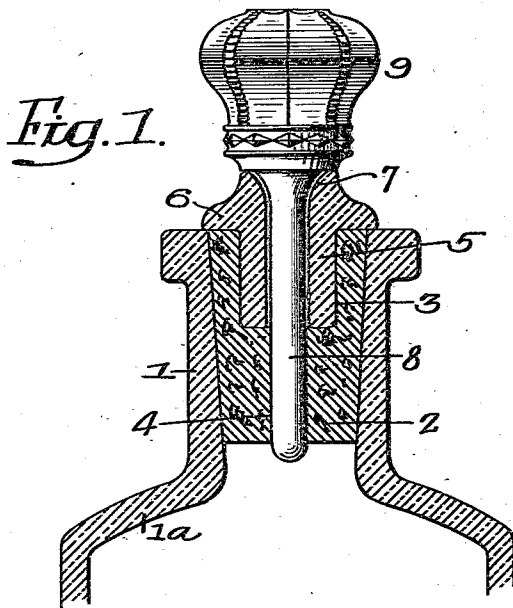


H. O. BRAWNER.
 SPRINKLER FOR BOTTLES.
 APPLICATION FILED MAR. 24, 1915.

1,159,166.

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UNITED STATES PATENT OFFICE.

HARRY O. BRAWNER, OF BALTIMORE, MARYLAND.

SPRINKLER FOR BOTTLES.

1,159,166.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HARRY O. BRAWNER, a citizen of the United States, and a resident of Baltimore, Maryland, have invented certain Improvements in Sprinklers for Bot-

5 tles, of which the following is a specification. My invention relates to sprinkler tops for bottles, and the object of my invention is to provide a cheap and simple form of bottle stopper designed to effectually seal the con-

10 tents of the bottle when closed and to permit discharge of the same in drops when open, upon inverting and agitating the bottle. These and other features of my invention

15 are more fully described hereinafter, reference being had to the accompanying drawings, in which: My invention is particularly applicable for use in connection with bottles for per-

20 fume, tooth powder, tooth wash, condiments and the like, and as the external parts comprising the sleeve 5, and the stem 8 with its head 9, are made entirely of glass, a clean and sanitary structure is provided. The

65 glass stem is freely movable through the glass sleeve, but tightly fits the cork so as to insure perfect closure when the said stem is in engagement with the cork.

Figure 1, is a sectional view of the neck of a bottle having a stopper made in accordance with my invention, and Fig. 2, is a perspective view of the parts of my improved stopper detached.

I claim:
1. The combination with a bottle, of a stopper and sprinkler therefor consisting of a body of cork fitting the mouth of the bottle and having a through opening or bore of two diameters with a shoulder intermediate the sections of different diameters, a non-

25 or shape. In the mouth of this bottle neck I place a cork 2, having a through opening or bore of two diameters, 3 and 4; the upper portion 3 of such bore being materially greater in size than the lower portion 4 and receiving a sleeve 5 tightly fitting the same. This sleeve is provided with an upper flange 6 which may overlie the head of the bottle, and with a flaring throat or mouth 7, as clearly illustrated in the drawings.

2. The combination with a bottle, of a stopper and sprinkler therefor consisting of a body of cork fitting the mouth of the bottle and having a through opening or bore of two diameters with a shoulder intermediate the different sized bores, a glass sleeve fitting the upper portion of said cork and filling the larger bore, said sleeve having a flaring mouth or throat, and a glass stopper having an integral stem passing through said sleeve out of contact therewith and filling the smaller bore in the lower portion of the body of cork, said stem having a flaring shoulder substantially fitting the flaring throat or mouth of the sleeve.

35 The sleeve 5 has an axial opening slightly larger than the portion 4 of the through opening in the lower part of the cork, and in line therewith, and adapted to these registering openings is a round stem or plug 8, of substantially the same diameter throughout, carried by an ornamental head or top 9 of any desired character.

3. The combination with a bottle, of a stopper and sprinkler therefor consisting of a body of cork fitting the mouth of the bottle and having a through opening or bore of

two diameters with a shoulder intermediate the different sized bores, a glass sleeve fitting the upper portion of said cork and filling the larger bore, said sleeve having an outwardly projecting shoulder or flange with a flaring mouth or throat, and a glass stopper having an integral stem passing through

said glass sleeve out of contact therewith and filling the smaller bore in the lower portion of the body of cork, said stem having a flaring portion substantially fitting the flaring throat or mouth of the sleeve and a shoulder engaging the top of the glass sleeve.

HARRY O. BRAWNER.