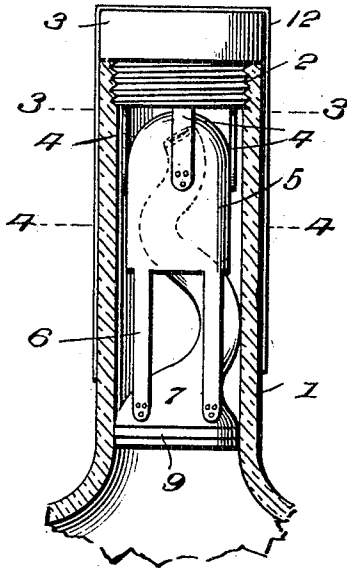


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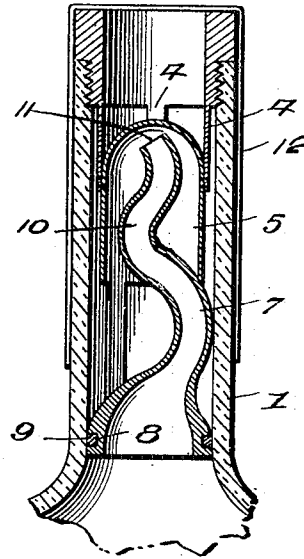
PATENTED SEPT. 4, 1906.

T. J. CAHILL.  
NON-REFILLABLE BOTTLE.  
APPLICATION FILED APR. 11, 1906.

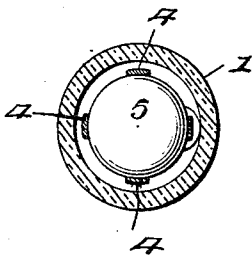
*Fig. 1.*



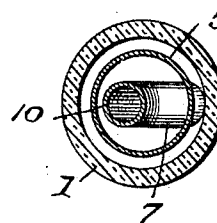
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

THOMAS J. CAHILL, OF SALEM, OHIO.

## NON-REFILLABLE BOTTLE.

No. 830,205.

Specification of Letters Patent.

Patented Sept. 4, 1906.

Application filed April 11, 1906. Serial No. 311,105.

*To all whom it may concern:*

Be it known that I, THOMAS J. CAHILL, a citizen of the United States, residing at Salem, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Non-Refillable Bottles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to bottles, and more particularly to that class known as "non-refillable" bottles.

My object is to provide means in the neck of the bottle to prevent liquid being inserted therein after the device has once been filled and my improvement secured in the neck of the bottle.

Other objects and advantages will be hereinafter pointed out, reference being had to the accompanying drawings, which are made a part of this application, and in which—

Figure 1 is an elevation of my improved device shown as inserted in the neck of a bottle, said bottle being shown in section. Fig. 2 is a central sectional view through my device and the bottle-neck. Fig. 3 is a sectional view as seen from the dotted line 3 3, Fig. 1; and Fig. 4 is a sectional view as seen from the dotted line 4 4, Fig. 1.

Referring to the figures by numerals of reference, 1 indicates the neck of a bottle, which may be constructed in any preferred form, the upper end thereof being provided with threads 2, with which is adapted to engage the threaded end of an extension 3, said extension being designed more particularly to form a seat for a cork or the like. Extending downwardly from the lower end of said extension and preferably formed integral therewith are supporting-arms 4, said arms being secured in any preferred manner to a cup-shaped sealing member 5, said member 5 having depending standards 6, said standards being secured at their lower ends in any preferred way to an inverted-funnel-shaped member 7, the lower end of said member being of substantially the same size as the interior of the neck 1 and is provided with a circumferential groove 8, in which is seated a packing-ring 9, so that when the member 7 is inserted into the neck of the bottle the passage of liquid contained therein between the neck and the member 7 will be

prevented. The upper portion of the member 7 is restricted in size and bent at certain points to form a tortuous passage 10 therein, said restricted portion being inserted into the cup-shaped member 5 and the extreme upper end thereof provided with an opening 11, said opening being in juxtaposition to the bottom portion of the member 5.

In operation the bottle is filled with liquid and the extension 3, carrying the cup-shaped member 5, and the member 7 are inserted into the neck of said bottle and said extension 3 turned home thereon, after which the opening in the extension 3 may be sealed by a cork or the like and the usual government stamp 12 placed thereover. When it is desired to use the liquid in the bottle, the cork is removed from the extension 3 and the bottle tilted so that the contents thereof will pass out through the tortuous passage 10, around the cup-shaped member 5, and out through the extension 3. After all the liquid has been removed from the bottle it will be impossible to refill the same, from the fact that when liquid is poured in through the extension 3 and rises to the lower edge of the cup-shaped member 5 a seal will be formed by the air contained in the cup-shaped member 5 and tortuous passage 10, thus preventing the liquid from entering into the cup-shaped member. It will also be seen that by having the upper end of the member 7 introduced into the cup-shaped member 5 until the opening 11 is near the bottom thereof it will be impossible to insert a hose or the like into engagement with said opening 11, whereby liquid could be introduced thereinto. In placing the extension 6 upon the neck 1 it is preferably cemented thereon, so that said extension cannot be removed from the neck of the bottle without mutilating the same. If, however, the same is not cemented thereon, it would be impossible to remove said extension without destroying the stamp secured to the side thereof, thereby indicating that the bottle had been tampered with.

I desire to claim such substantial equivalents and substitutes as may fairly fall within the scope of my invention.

What I claim is—

In a bottle of the class described, the combination with the neck of a bottle; of an extension at the upper end thereof, arms secured to said extension, a cup-shaped member secured to said arms, standards depend-

ing from said cup-shaped member, a funnel-shaped member secured to said standards and having a packing-ring therearound, said member terminating in a reduced portion at  
5 its upper end and having a tortuous passage therein.

In testimony whereof I have signed my

name to this specification in the presence of two subscribing witnesses.

THOMAS J. CAHILL.

Witnesses:

K. L. COBURN,  
ALEX. D. SUBLER.