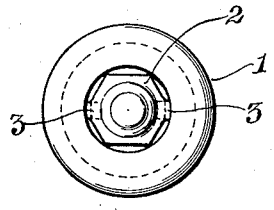
O. GESSLER.

NON-REFILLABLE BOTTLE.

APPLICATION FILED JULY 8, 1912.

1,054,966. Patented Mar. 4, 1913.

Fig. 3



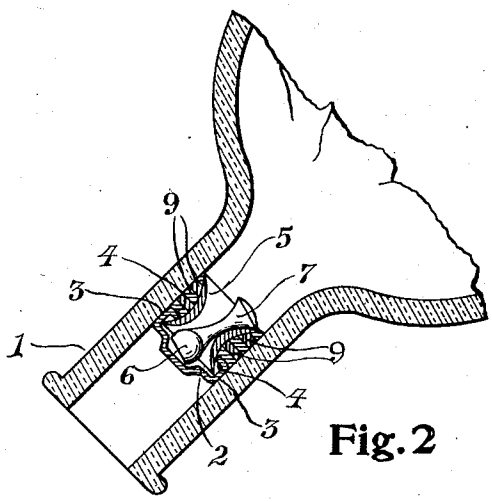


Fig. 2

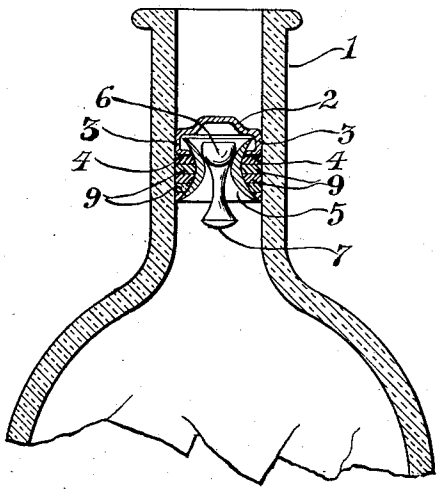


Fig. 1

Witnesses

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UNITED STATES PATENT OFFICE.

OTTO GESSLER, OF DETROIT, MICHIGAN.

NON-REFILLABLE BOTTLE.

1,054,966. Specification of Letters Patent. Patented Mar. 4, 1913.

Application filed July 8, 1912. Serial No. 708,083.

To all whom it may concern:

Be it known that I, OTTO GESSLER, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Non-Refillable Bottles, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to non-refillable bottles and to an arrangement thereof that is sanitary, simple and effective, and may be readily manufactured at low cost.

The invention consists in the matters hereinafter set forth, and more particularly pointed out in the appended claims.

In the drawings, Figure 1 is a view in section of the neck of a bottle that embodies features of the invention, showing the parts when the bottle is upright; Fig. 2 is a similar view, showing the parts in the position assumed when the bottle is tilted for pouring; and Fig. 3 is a plan view of the bottle neck.

Referring to the drawings, a bottle neck 1 is closely fitted by a polygonal stop plate 2, having a pair of depending ears 3 with inturned end portions 4 that hook under the upper outer flange of a bushing 5 to support the latter. The bore of the bushing is flared at either end, the upper portion forming an annular seat for the rounded head 6 of a closure having a pendulous conoidal weight 7. The closure is so disposed that when the bottle is tilted to pour, the closure falls against the stop plate 2 and allows the escape of the bottle contents. When in horizontal position, or upturned past that position, the conoidal weight 7 slides down the flaring side of the bushing and draws the closure to seat. The bushing and plate are retained by washers 9 which also prevent leakage.

The device is simple, readily cleansed and easy to manufacture, and effectually prevents refilling of a bottle in which it is secured.

Obviously, changes in the details of construction may be made without departing from the spirit of the invention and I do not care to limit myself to any particular form or arrangement of parts.

What I claim is:—

1. The combination with a bottle of a stop plate in the neck thereof arranged to provide pouring spaces at the sides thereof, having depending inturned lugs, a bushing suspended by the lugs, and provided with a bore flared at each end, a closure adapted to seat on the upper end of the bushing when the bottle is upright, and provided with a pendulous weight adapted to seat the closure when the bottle is not upright or in pouring position, and washers fitting the bushing and bottle neck.

2. The combination with a bottle of a stop plate in the neck thereof arranged to provide pouring spaces at the sides thereof, a pair of depending inturned lugs on the plate, a bushing suspended by the lugs and provided with a bore flared at each end, a closure adapted to seat on the upper end of the bushing when the bottle is upright, a pendulous weight on the closure adapted to seat the latter when the bottle is not upright or in pouring position, and washers fitting the bushing and bottle neck.

In testimony whereof I affix my signature in presence of two witnesses.

OTTO GESSLER.

Witnesses:
C. R. STICKNEY,
A. M. SHANNON.