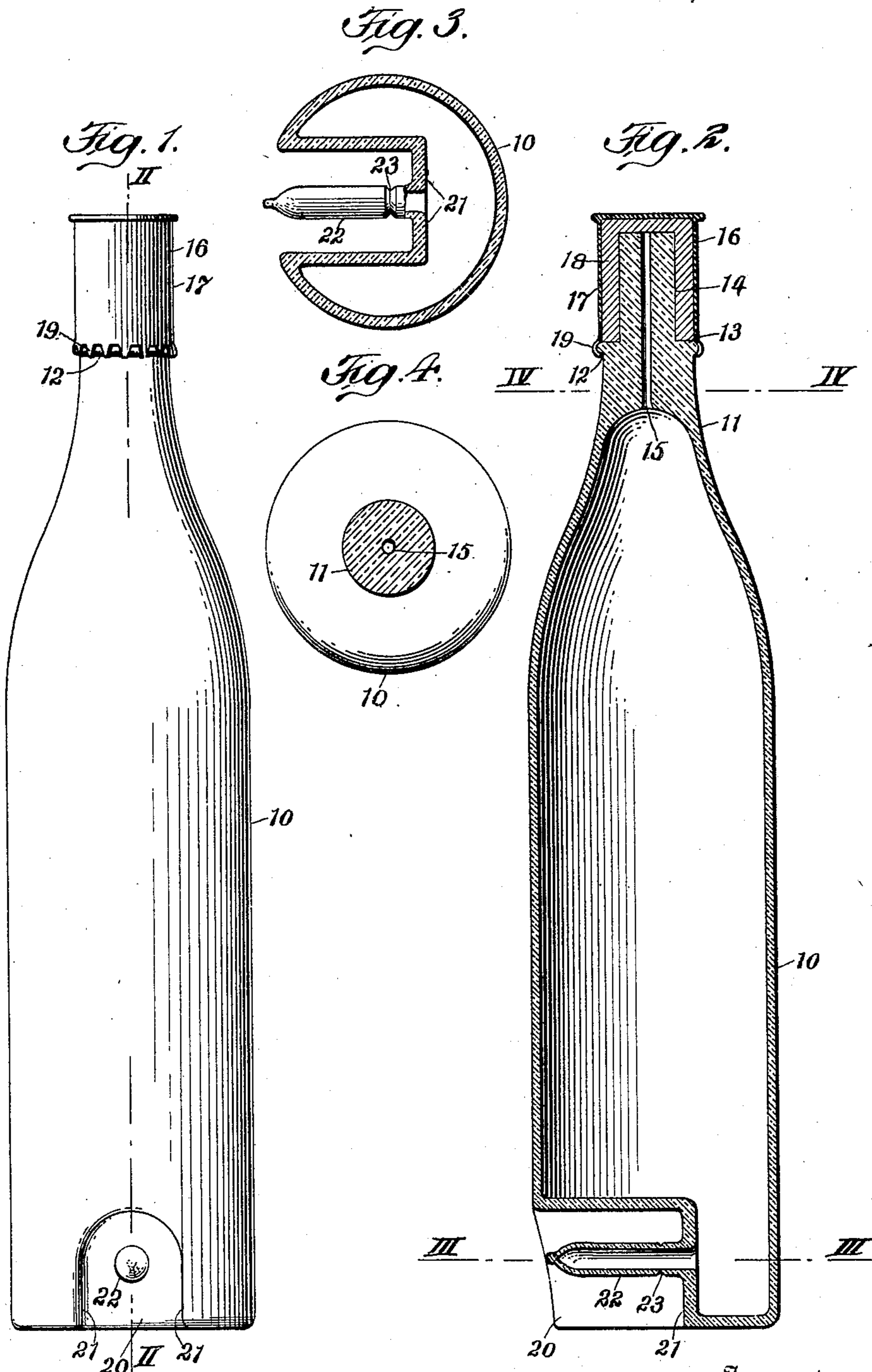


R. J. POTTER.
NON-REFILLABLE BOTTLE.
APPLICATION FILED AUG. 20, 1908.

969,563.

Patented Sept. 6, 1910.



Witnesses:
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UNITED STATES PATENT OFFICE.

ROBERT J. POTTER, OF TUXEDO PARK, NEW YORK.

NON-REFILLABLE BOTTLE.

969,563.

Specification of Letters Patent.

Patented Sept. 6, 1910.

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To all whom it may concern:

Be it known that I, ROBERT J. POTTER, a citizen of the United States, and a resident of Tuxedo Park, county of Orange, and State of New York, have invented certain new and useful Improvements in Non-Refillable Bottles, of which the following is a full, clear, and exact description.

This invention relates more particularly to a bottle which must have a part thereof destroyed before the contents can be removed.

The primary object of the invention is to provide a bottle which has a frangible part that must be broken or destroyed before the contents can be poured from the bottle, thus serving to prevent the bottle from being refilled as the broken part will indicate that the original contents has been removed and a substitute provided therefor, thus overcoming the objections incident to the usual form of bottle in which it is possible to substitute the goods of one manufacture for that of another.

A further object of the invention is to provide a bottle having a special form of mouth and cap therefor; to provide a bottle which becomes useless before the contents can be poured therefrom, and which requires the entire contents to be removed or the bottle to be placed on end to hold the contents therein.

With these and other objects in view, the invention will be hereinafter more particularly described with reference to the accompanying drawings, which form a part of this specification, and will then be pointed out in the claims at the end of the description.

In the drawings, Figure 1 is a side elevation of one form of bottle embodying my invention. Fig. 2 is a vertical section taken on the line II—II of Fig. 1. Fig. 3 is a sectional plan view, partly in elevation, taken on the line III—III of Fig. 2; and Fig. 4 is a sectional plan view taken on the line IV—IV of Fig. 2.

The body 10 of the bottle may be of any desired form, and is provided with a suitable neck 11 which has a rib 12 forming a shoulder 13, and projecting outward from the shoulder 13 is a mouthpiece 14. The neck of the bottle is provided with a contracted opening 15 through which the contents of the bottle may be poured and fitting over the mouthpiece or extension 14 is a cap 16. This cap 16 may be variously

constructed. As shown it comprises a metallic cylindrical portion 17 within which is fitted a cork or other sealing device 18 which is substantially cup-shaped in form and is adapted to fit over the extension 14 so as to properly seal the end thereof, and said cap 16 may fit snugly about the extension 14, and the inner edge of said cap may be serrated so as to provide a plurality of spring fingers 19 which are adapted to fit over the rib 12, thus serving as an additional means for holding the cap over the mouth of the bottle.

The lower part of the bottle is recessed, as at 20, so as to provide a wall 21 which extends at substantially right angles to the bottom of the bottle, and projecting outward from the wall 21 is a tubular part 22. This part 22 has an opening extending part of the length thereof, and is sealed at its outer end either by closing the end of said tubular part by heating the end as usual in sealing parts of glass objects, or by providing a separate plug as desired. The tubular part is of frangible material and may be integral with the body of the bottle, and said tubular part has an annular groove 23 which is intended to weaken the tubular part at that point in order that it may be easily and properly broken. When the bottle is filled and the tubular part sealed, the contents by reason of the nature of the opening 15, cannot be poured without air entering the body of the bottle. It is therefore necessary to break the tubular part 22 to provide a vent for access of air to within the body of the bottle thus permitting the contents to be readily poured.

The bottle or package should be of such a size as to require the entire contents to be poured from the bottle after the frangible part has been broken, though if the package is of such a size, and this is not convenient or desirable, the stopper or cap 16 may serve to support the bottle upright, or a separate holder may be provided for this purpose. It is intended that the breaking of the part 22 is to serve as a notice to the purchaser that the contents of the bottle has been tampered with as the bottle should be broken by or in the presence of the one who wishes to remove the contents thereby avoiding any possibility of the substitution of one make of goods for that of another.

From the foregoing it will be seen that a simple and efficient device is provided which

is adapted to hold various forms of material, and which requires the destruction of a part of the bottle or container before the contents can be removed; that said destruction
5 of the bottle except by or in the presence of the person wishing to secure the contents thereof is a notice that the contents has been tampered with and that simple and efficient means is provided for sealing one end of the
10 bottle.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

1. A bottle provided with a neck portion,
15 a part of said neck portion being reduced and forming a shoulder, a beading formed upon the outer surface of said neck portion below said shoulder, said neck portion having a contracted passageway, a cup shaped
20 cork member incasing said reduced portion of the neck and resting upon said shoulder, a cap adapted to incase said cork member,

said cap being provided with spring fingers for engaging said beading, and an air vent located at the base of said bottle. 25

2. A bottle provided with a neck portion, a part of said neck portion being reduced and forming a shoulder, a beading formed upon the outer surface of said neck portion below said shoulder, said neck portion having a contracted passageway, a cup shaped
30 cork member incasing said reduced portion of the neck and resting upon said shoulder, a cap adapted to incase said cork member, said cap being provided with spring fingers
35 for engaging said beading and an air vent located in an annular recess formed in the base portion of the bottle.

This specification signed and witnessed this fourteenth day of August A. D. 1908. 40
ROBERT J. POTTER.

Witnesses:

ALFRED S. CLAYTON,
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