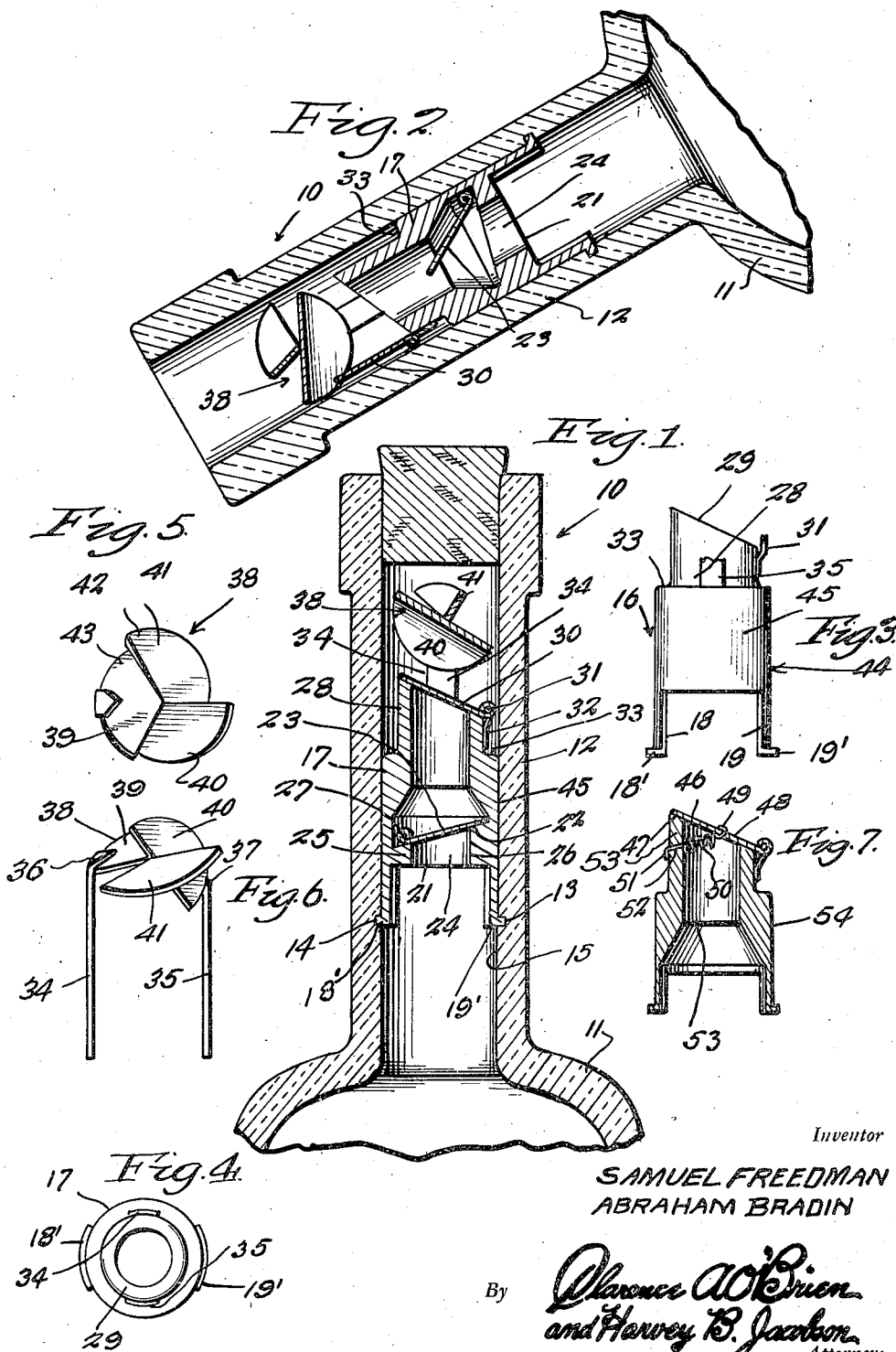


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NONREFILLABLE CONTAINER

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## UNITED STATES PATENT OFFICE

2,425,148

## NONREFILLABLE CONTAINER

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## 1 Claim. (Cl. 215—25)

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Our invention relates to containers and has for its object to provide a bottle or other container with a neck from which the contents may be readily poured, but which container cannot be refilled.

Another object of our invention is to provide a container having oppositely arranged valves in the neck thereof, which automatically close when the container is turned upright.

A further object of the invention is to provide such a device having a non-passable guard by means of which an instrument cannot reach the valves to open same.

A still further object of the invention is to provide a non-refillable bottle which can not be filled or added to by immersion.

Other features and advantages will become more readily apparent from the following description and the accompanying illustrative drawings in which:

Figure 1 is a vertical sectional view of a bottle embracing my invention,

Figure 2 is a similar view shown with the bottle inverted,

Figure 3 is a side elevational view of a valve member, parts being removed,

Figure 4 is a top plan thereof,

Figure 5 is a detail plan view of a guard member,

Figure 6 is a perspective view thereof,

Figure 7 is a sectional view of a modification.

In the above drawings as well as in the specification to follow, the same characters of reference indicate the same parts throughout.

The invention 10, consists of a bottle 11, the neck of which is provided with opposing channels 13 and 14, in the inner wall 15. To be inserted in said neck is a valve member 16, consisting of a casing 17, having depending resilient legs or prongs 18 and 19, with right angular terminals 18' and 19', adapted to be sprung into the slots 13 and 14.

In the lower end 21, of the casing 17, is an inclined valve seat 22, upon which a flap valve 23, normally seats to close port 24. This valve is attached to the lower part 25, of valve rim 26, by a hinge 27.

The upper end 28, of the case is reduced in diameter and provided with an inclined upper edge 29, which forms a seat for a valve 30, hinged at 31, to the lower portion 32, of said incline. This valve is hinged directly opposite to that of valve 23, as said valve seats are oppositely inclined, as clearly indicated in the drawings.

Secured to the reduced opposing sides of the case 17, and upon the rim 33, are a pair of arms

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34 and 35, to the upper ends 36 and 37, of which is secured a disk-shaped baffle guard 38 connected at its central portion and formed with a series of varyingly inclined semi-cylindrical segments 39, 40 and 41, the ends 42, 43, etc., overlap one another in spaced relation whereby no instrument may be projected into the bottle neck below the guard in order to lift or interfere with the valves 30 and 23. The said members 39 to 41, are integrally connected and therefore cannot be moved relative to one another. The body portion 44, of the member 17, is provided with a tightly fitting jacket 45, of a compressible non-absorbent nature whereby a water seal is provided between the case and the said inner wall 15.

In Figure 7 of the drawings is shown a modification of the valve structure and in which the valve 46, on the inclined seat 47, has connected to preferably its center portion 48, one end 49, of a weak coil spring 50, the other end 51, of which is secured through a bore 52, in the wall 53, of the case 54. In this form of the invention it is deemed necessary to provide only one valve, as said spring 50, while weak enough to give under pressure thereagainst by the contents of the container when inverted is strong enough to maintain the valve seated so that any attempt to pour liquid into the bottle containing the device will be baffled. The valves 23 and 30, are gravity closable.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawings. Therefore, a more lengthy description is regarded as unnecessary.

Changes in shape, size and rearrangement of details and parts such as come within the purview of the invention claimed may be resorted to, in actual practice, if desired.

Having now described our invention that which we claim as new and desire to procure by Letters Patent is:

In a non-refillable bottle having a neck portion with opposed locking recesses formed in the inner wall thereof, a plug body insertable in said neck portion formed with a longitudinally extending bore and opposed depending resilient arms formed with laterally extending locking ears adapted to seat in said opposed locking recesses, said plug being formed with an enlarged chamber having an annularly sloping seat formed about said passage, a flat valve hinged to the lower edge thereof to seat on said sloping seat, the upper end of said plug being reduced and having its upper surface sloped to form an an-

nular seat oppositely sloped to the slope of said first-mentioned seat, a flat valve hinged to the lower edge thereof to seat on said last-mentioned sloping seat, a guard supported upon said reduced portion of said plug to overlie said upper valve in spaced relation thereto, and said guard comprising a split disk-shaped body connected at its central portion to radially extending overlapping segments being disposed at varying angles with respect to each other.

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