

C. H. MENSCH.  
NON-REFILLABLE BOTTLE.  
APPLICATION FILED AUG. 18, 1909

944,200

Patented Dec. 21, 1909.

Fig. 1.

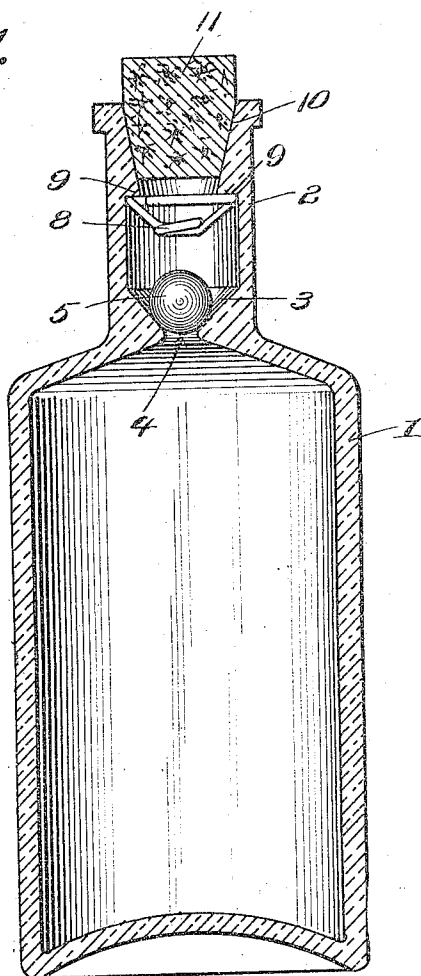
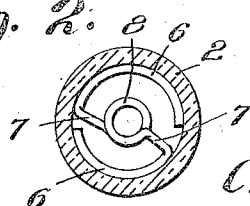


Fig. 2.



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Witnesses

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# UNITED STATES PATENT OFFICE.

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## NON-REFILLABLE BOTTLE.

944,200.

Specification of Letters Patent. Patented Dec. 21, 1909.

Application filed August 18, 1909. Serial No. 513,455.

To all whom it may concern:

Be it known that I, CHARLES H. MENSCH, a citizen of the United States of America, residing at Shanesville, in the county of Berks and State of Pennsylvania, have invented new and useful Improvements in Non-Refillable Bottles, of which the following is a specification.

This invention relates to non-refillable bottles, and one of the principal objects of the same is to provide simple and reliable means to prevent refilling of bottles after the original contents have been exhausted without detection.

Another object of the invention is to provide a spring baffle adapted to be inserted in the bottle neck and held against removal after the bottle has been filled, a ball valve being seated underneath the baffle and prevented from withdrawal by said baffle.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which,—

Figure 1 is a vertical section taken through a bottle made in accordance with my invention and showing the valve seated in the bottle neck. Fig. 2 is a horizontal sectional view on the line 2—2 of Fig. 1, looking in the direction indicated by the arrow.

Referring to the drawing, the numeral 1 designates a bottle which may be of any suitable size and shape, said bottle being provided with a neck 2 having a valve seat 3 on the inner side thereof. A discharge opening 4 extends through the seat and communicates with the interior of the neck portion 2 of the bottle. A ball valve or marble 5 is adapted to rest on the seat 3 and to close the opening 4. A wire baffle preferably made of spring wire and comprising two curved spring arms 6 and inwardly extending members 7 connected centrally by a coil 8 is held in position in the bottle by means of shoulders 9 extending inward within the neck 2. The mouth of the bottle is

tapering, as shown at 10, and a cork 11 is fitted in the mouth, as shown in Fig. 1.

The manner of filling and using the bottle may be briefly described as follows: After the bottle has been filled, the ball valve 5 is dropped into the mouth and finds its way upon the seat 3. The spring baffle is then forced into the mouth until the spring arms 6 pass the shoulders 9 and spring outward to hold the baffle in place, as shown in Fig. 1. The cork 11 is then applied to the bottle. When the cork 11 is withdrawn to decant the contents then, by tipping, the ball valve 5 will roll off the seat and permit the liquid to pass out through the mouth. When the bottle is righted up, the ball again rolls on to the seat and stops the passage 4. The spring baffle prevents the tampering with the ball or removing the same for refilling the bottle, and since the baffle cannot be removed without breaking the neck of the bottle, the latter cannot be refilled without detection.

The invention is of simple construction, can be manufactured at low cost and can be quickly applied to bottles of different sizes and characters.

I claim:—

The herein described non-refillable bottle provided with a neck having an interior valve, a ball valve in said neck, the mouth of said neck having a tapering opening into said neck, a shoulder formed on the inside of said neck, and a spring wire baffle having curved resilient arms upon opposite sides thereof, members extending inward from said arms and a coil connected to the inner ends of said members, said baffle adapted to be forced into the mouth of the bottle and spring outward under said shoulder.

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

CHARLES H. MENSCH.

Witnesses:

ED. WOLFGANG,  
ABRAHAM RENNINGER.