

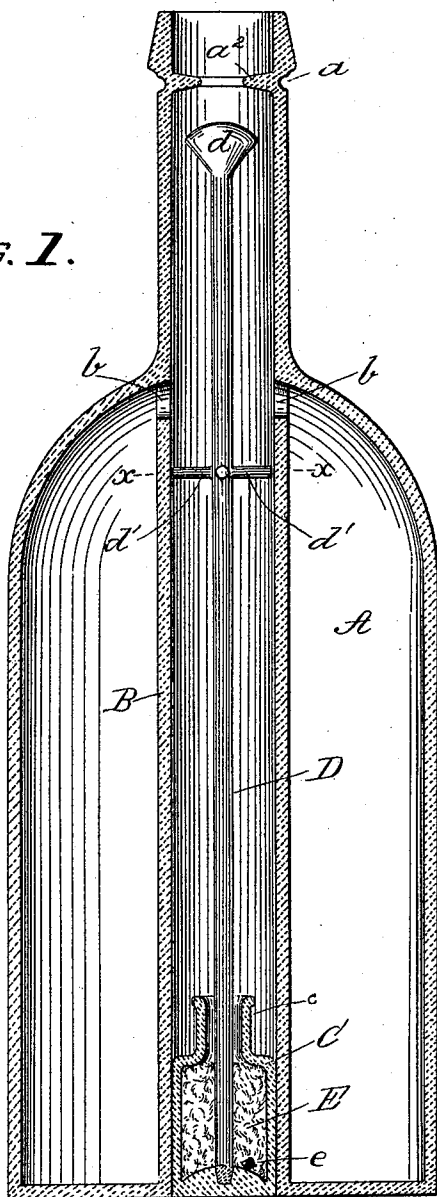
(No Model.)

A. FISHMANN.
BOTTLE.

No. 582,348.

Patented May 11, 1897.

FIG. 1.

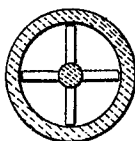


WITNESSES

C. Nordfors

Rubin Auerbael

FIG. 2.



A. Fishmann INVENTOR

UNITED STATES PATENT OFFICE.

ARTHUR FISHMANN, OF NEW YORK, N. Y.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 582,348, dated May 11, 1897.

Application filed July 23, 1896. Serial No. 600,229. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR FISHMANN, a citizen of the United States, and a resident of 118 Rivington street, New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Bottles, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to bottles, and has for its object to provide a bottle which is practicably non-refillable after the original contents have been removed and is so constructed that an attempt to refill will leave indubitable evidence of such an attempt.

My improved bottle will be found especially adapted for the use of manufacturers of fine medicines, wines, perfumes, and proprietary articles or in any case in which it is desirable to prevent the reuse of the bottle after its original contents have been exhausted.

In the drawings herewith forming part of this specification, Figure 1 is a central vertical sectional view of my improved bottle. Fig. 2 is a cross-sectional view of Fig. 1, on line *x x* thereof.

In the practice of my invention there is provided a bottle A, which in exterior appearance is similar to an ordinary bottle. In the neck of the bottle just below the cork-line is provided an annular groove *a*, either angular or semicircular, which in process of manufacture produces a corresponding annular ring *a*² upon the interior of the neck.

All parts of the bottle are preferably made of glass, although I do not confine myself to that material. Neither do I confine myself to the exact shape shown in the accompanying drawings, but reserve the right to manufacture any modification not inconsistent with nor transgressing the scope of the invention.

Within the bottle and formed integrally therewith or sealed thereto is a central vertical tube B of the same or nearly equal diameter with the interior of the neck portion, extending from the bottom of the bottle to the lower part of the neck, and provided near its junction with the neck with side ports or openings *b*, leading into the bottle. The bot-

tle is without any bottom portion beneath the tube B, but is closed by the cup C, adapted to be secured within said tube by being sealed thereto. In the center of the bottom of the cup C is suitably secured the end of a vertical rod D, which is projected upwardly through the center of the tube B and into the neck of the bottle, the upper end of said rod terminating in an enlargement *d*, preferably of the character shown, said enlargement being located somewhat below the annular ring *a*², said rod *d* being also provided with projecting guide-fingers *d'* below the neck portion of the bottle. The cup C has its sides near the top curved inwardly and extended upwardly, so as to form a small annular reservoir *c*.

In practice the bottle is first filled by inserting a cork in the tube B below the ports *b* and pouring the fluid in through the neck in the usual manner. The cork, which may be secured on the end of a rod, is then removed and the cup C, with the vertical rod D secured therein, is then inserted and the cup sealed to the tubular portion B. The neck of the bottle above the annular ring *a*² may be closed by a cork in the ordinary manner.

Prior to inserting the cup C, I deposit within the same some kind of absorbent material E, and also at or near the bottom of the cup one or more coloring-crystals *e* of a harmless nature adapted to be dissolved by contact with the contents of the bottle.

The bottle being thus constructed and equipped, the contents can be readily discharged, and in the act of restoring the bottle to an upright position what liquor collects on the inner surface of the tube B will be caught in the reservoir *c*. Should an attempt, however, be made to fill the bottle, the cup C would be filled and, the absorbent material E becoming permeated, the coloring-crystal *e* would be dissolved and the attempt thus made patent.

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

1. The combination with a bottle constructed as herein shown of the tube B, the cup C, rod D, annular ring *a*², ports *b* absorbent material E, coloring-crystals *e*, all as herein shown and described.

2
2. In an improved bottle the combination
of the interior parts as herein shown consist-
ing of the annular ring a^2 , tube B, rod D, en-
largement d , cup C, reservoir c absorbent
5 material E, crystal e , all arranged substan-
tially as herein shown and described.

In testimony that I claim the foregoing as

my invention I have signed my name, in pres-
ence of the subscribing witnesses, this 21st
day of July, 1896.

ARTHUR FISHMANN.

Witnesses:

WM. W. HILL,

RUBIN AUERBACH.