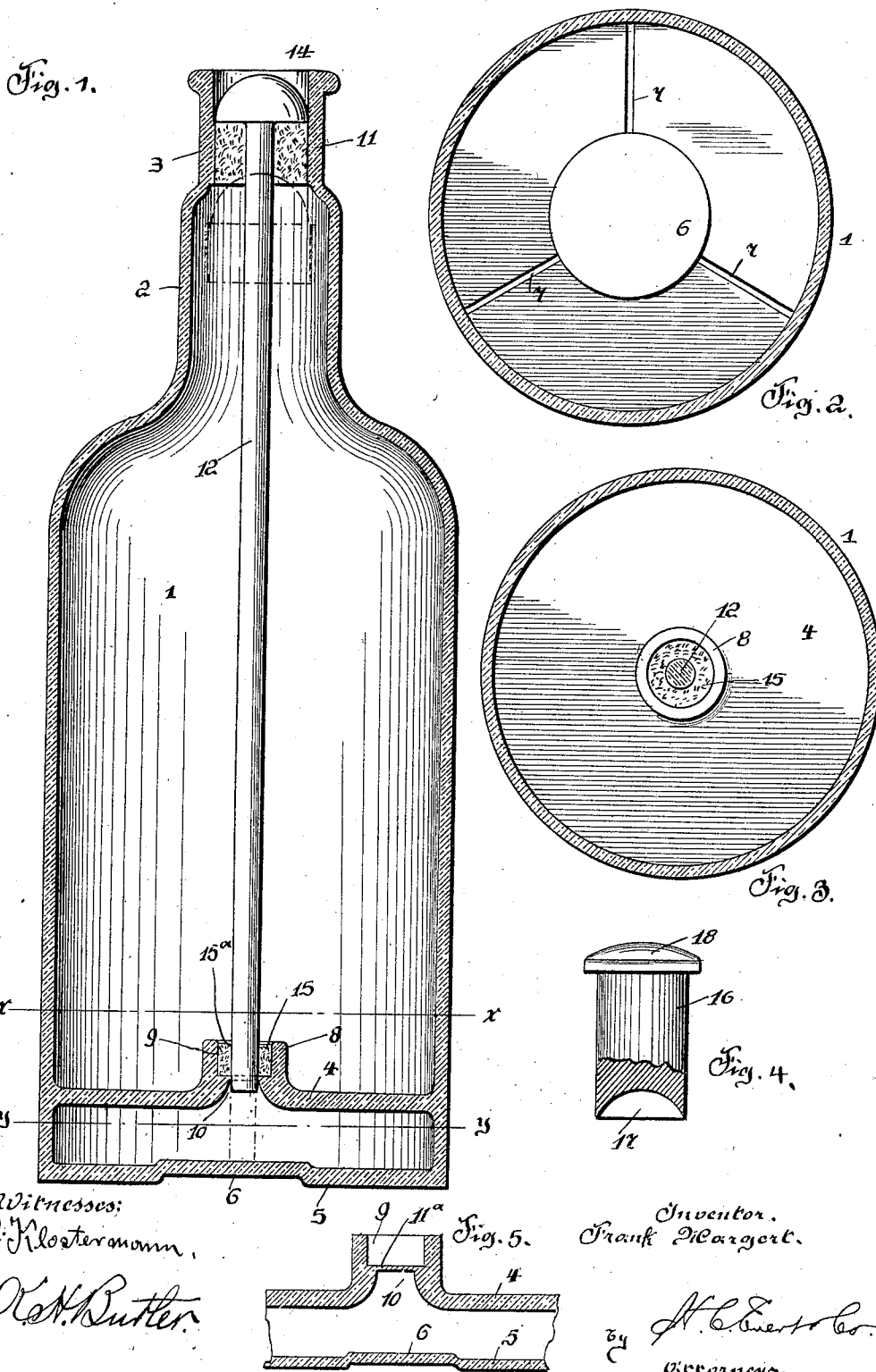


No. 835,862.

PATENTED NOV. 13, 1906.

F. MARGERT.
ANTIREFILLABLE BOTTLE.
APPLICATION FILED JUNE 6, 1906.



Witnesses:
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UNITED STATES PATENT OFFICE.

FRANK MARGERT, OF ALLEGHENY, PENNSYLVANIA.

ANTIREFILLABLE BOTTLE.

No. 835,862.

Specification of Letters Patent.

Patented Nov. 13, 1906.

Application filed June 6, 1906. Serial No. 320,410.

To all whom it may concern:

Be it known that I, FRANK MARGERT, a subject of the Emperor of Austria-Hungary, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Antirefillable Bottles, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in antirefillable bottles; and the invention has for its object to provide a bottle that cannot be reused without detection.

The invention aims to obviate the nefarious practice of some unscrupulous merchants in refilling bottles that have once contained a popular brand of liquid with an inferior article and giving the bottle the appearance of the original article. To this end I have devised an antirefillable bottle from which the cork or closure cannot be withdrawn without first removing the contents of the bottle.

The detail construction of the bottle will be presently described and then specifically pointed out in the appended claims.

Reference will now be had to the drawings, forming part of this specification, wherein like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a vertical sectional view of my improved bottle. Fig. 2 is a horizontal sectional view taken on line *yy*, Fig. 1. Fig. 3 is a similar view taken on the line *xx* of Fig. 1. Fig. 4 is a detail view of an auxiliary stopper or punch used to open my improved bottle, and Fig. 5 is a sectional view of a portion of the bottle.

My improved bottle comprises a receptacle 1, having a neck portion 2, which is slightly contracted, as at 3, to form the mouth of the bottle.

The bottom 4 of the receptacle is formed a slight distance above the lower edges of the receptacle 1 to permit of an auxiliary bottom or horizontal base 5 being carried by the lower edges of the receptacle 1. The base 5 is provided with a circular central raised portion 6, from which radiate slots 7, thus forming a perforated base, the object of which will be presently described. The bottom 4 is formed with a central upwardly-extending enlargement 8, having a seat 9 formed therein. Directly beneath the enlargement the

bottom is provided with a recess 10, forming a frangible partition 11^a between the seat 9 and said recess.

The closure or stopper of the bottle or receptacle 1 consists of a cork 11, through which extends a depending stem 12, the lower end of said stem extending downwardly into the bottle, while the upper end of said stem is provided with a semispherical head 14, which bears upon the cork 11.

A cork 15, having a central opening 15^a, is placed in the seat 9 of the enlargement 8 to retain the stem 12 within the bottle when said bottle is closed by the stopper 11. When the bottle has been filled, the lower end of the stem 12 is placed in the opening 15^a of the cork 15 and the upper end of the stem, together with the cork 11, forced into the contracted portion of the neck 2. This operation induces the stem 12 to fracture and shatter the frangible partition 11^a and assume the position illustrated in Fig. 1 of the drawings.

To open my improved bottle, an auxiliary stopper or punch 16 is used, said punch having a substantially semispherical concavity 17 formed in its lower end, while its upper end is provided with a head 18. The punch is placed over the head 14 of the stem 12 and is struck with a suitable instrument to drive the cork 11 and the head 14 within the neck portion 2 of the bottle. The lower end of the stem 12 is moved into close proximity to the horizontal base 5 without breaking the same, and the contents of the bottle can be readily removed therefrom when the punch is withdrawn from the head 14 of the stem 12.

The slotted horizontal base 5 of the bottle is employed to prevent a person from withdrawing the cork 11 and the stem 12 from the bottle and refilling the same. It is obvious that the liquid poured into the bottle would pass through the central opening 10 of the bottom 4 and through the slots 7 of the base 5.

The bottle is made of a vitrious material, also the stem 12, thus obviating the pollution of the contents of the bottle by employing a material soluble in the liquid contained within the bottle.

Such changes in the size and minor details of construction as are permissible by the appended claims may be resorted to without departing from the scope of the invention.

Having fully described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. An antirefillable bottle consisting of a receptacle having a contracted neck portion
5 and a raised bottom, a central enlargement carried by said bottom and having a seat formed therein adapted to receive a cork, a frangible partition carried by said bottom, a
10 slotted base carried by said receptacle beneath said bottom, a stem adapted to enter said enlargement and shatter said partition, and a cork carried by said stem to close the neck portion of said bottle, substantially as described.

15 2. An antirefillable bottle consisting of a receptacle, an enlargement carried by the bottom of said receptacle and a seat formed therein, a frangible partition carried by said enlargement, a stem adapted to enter said
20 bottle and shatter said partition, a cork carried by said stem to close said bottle, means to establish a non-leakable connection between said enlargement and said stem, and a

perforated base carried by the receptacle, substantially as described. 25

3. The combination with a bottle, of a frangible partition carried by the bottom of said bottle, a slotted base shielding said partition, a stem adapted to enter said bottle and shatter said partition, a cork carried by
30 said stem, and means to establish a non-leakable connection between said bottom and said stem, substantially as described.

4. A non-fillable bottle, the bottom of which is provided with an enlargement, a
35 slotted base carried beneath said bottom, and a stem adapted to pass through said enlargement and close said bottom, substantially as described.

In testimony whereof I affix my signature 40 in the presence of two witnesses.

FRANK MARGERT.

Witnesses:

MAX H. SROLOVITZ,
C. KLOSTERMANN.