

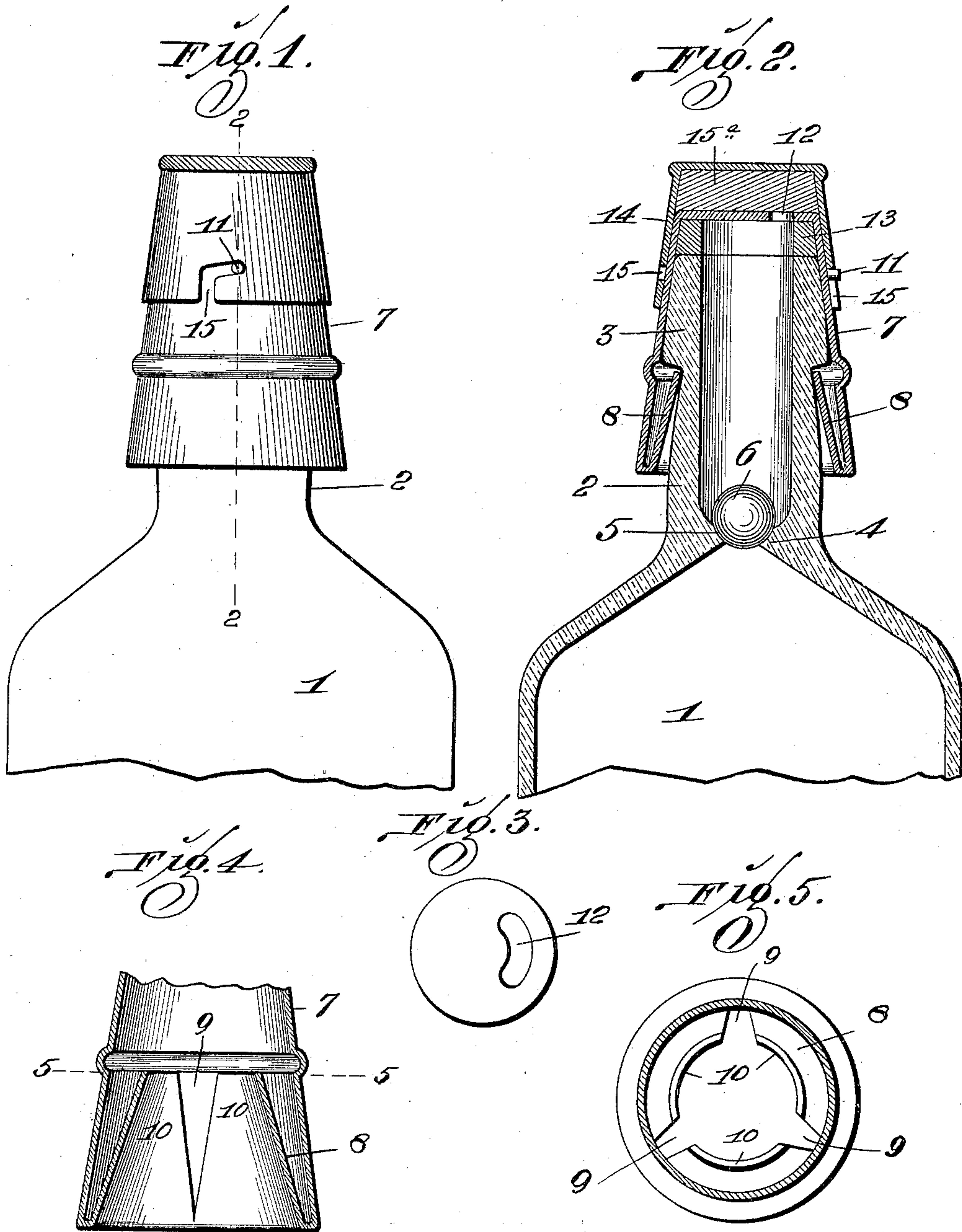
No. 622,737.

Patented Apr. 11, 1899.

B. VER STANDIG.
BOTTLE.

(Application filed Jan. 24, 1898.)

(No Model.)



Attest
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UNITED STATES PATENT OFFICE.

BERNARD VER STANDIG, OF ST. LOUIS, MISSOURI.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 622,737, dated April 11, 1899.

Application filed January 24, 1898. Serial No. 667,774. (No model.)

To all whom it may concern:

Be it known that I, BERNARD VER STANDIG, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Bottles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part thereof.

My invention relates to bottles; and it consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

Figure 1 is a side elevation of the upper portion of a bottle constructed in accordance with the principles of my invention. Fig. 2 is a vertical sectional view taken approximately on the line 2 2 of Fig. 1. Fig. 3 is a plan view of a bottle-top made use of in carrying out my invention. Fig. 4 is a vertical sectional view of the lower portion of this bottle-top. Fig. 5 is a horizontal sectional view taken approximately on the line 5 5 of Fig. 4.

Referring by numerals to the accompanying drawings, 1 indicates the body of the bottle, which is of the usual form and construction, 2 the neck thereof, and 3 the head. Formed of the material of which the bottle is constructed, at the junction of the neck with the body, is an inwardly-projecting flange 4, in the top of which is formed a seat 5 for a cylindrical body 6, which is preferably a glass marble. When the bottle is in an upright position, this spherical body 6 rests on the seat 5 and effectually prevents any liquid from being passed into the bottle.

7 indicates a bottle-top, which is in the form of a cylinder and constructed of suitable sheet metal, the lower end of said top 7 being turned upwardly within the lower portion of said top 7, thus forming an inner cylinder 8, and said cylinder is provided with vertical slits 9, thereby forming a series of resilient upwardly-projecting tongues 10. Projecting laterally from opposite sides of the top 7 are lugs or pins 11, and formed in the horizontal top portion of the top 7 is a segmental discharge-aperture 12, the same being located a slight distance from the edge of said top portion. Located in the upper end of the top 7 is a ring 13 of cork or analogous material, and when the top is correctly positioned upon the head of the bottle this ring of cork is firmly seated upon the top edge of the head 3 of said bottle.

To locate the top upon the bottle, the entire

top 7 is passed downwardly over said head 3, and in so doing the resilient tongues 10 will spring outwardly over said head until the upper ends of said tongues have passed the shoulder between said head and the neck. When this point is reached, the tongues will spring backwardly beneath said shoulder and against the neck 2, and when in this position said top cannot be removed from the bottle without either breaking said top or the bottle.

A cylindrical cap 14 is constructed to fit upon the upper end of the top 7, and said cap is provided with oppositely-arranged slots 15 in its lower edge, which, together with the pins 11, form bayonet-joints between said cap 14 and the top 7. A section of cork 15^a or analogous material is located in the upper end of the cap 14, and when said cap is properly located upon the top 7 this cork securely closes the discharge-opening 12.

To discharge the contents of the bottle, it is first necessary to remove the cap 14, and in so doing the discharge-aperture 12 is opened. The bottle is now turned into an approximately horizontal position, and by so doing the spherical body 6 will by gravity roll away from the seat 5 and the contents of the bottle are now free to pass from the interior of the bottle through the neck thereof and out through the aperture 12.

Thus it will be seen how I have constructed a bottle that is provided with a cheap, simple, and efficient top which may be tightly sealed or closed when desired and which bottle also is provided with means whereby said bottle cannot be refilled by the use of a funnel, rubber hose, or the like.

I claim—

The bottle-top 7 constructed to be located upon the head of a bottle, the open-topped cylinder 8 integral with and projecting upwardly from the lower end of the bottle-top on the inside thereof and having therein the vertical V-shaped slits 9, the curved resilient tongues 10, and the cap 14 removably located upon the upper end of the bottle-top, substantially as specified.

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

BERNARD VER STANDIG.

Witnesses:

ALBERT J. MCCAULEY,
JOHN C. HIGDON.