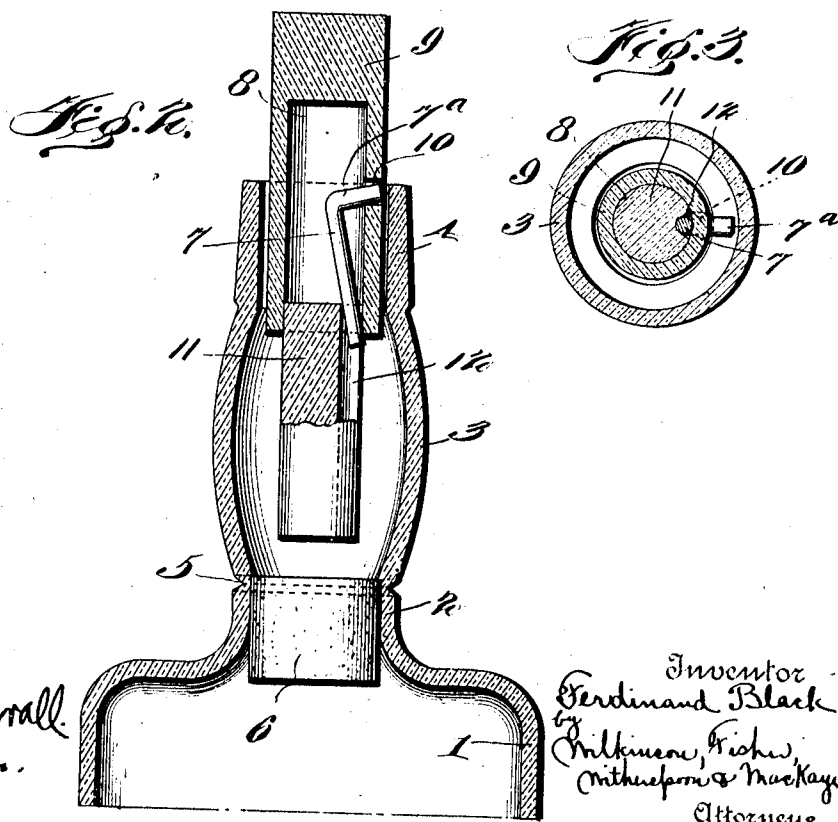
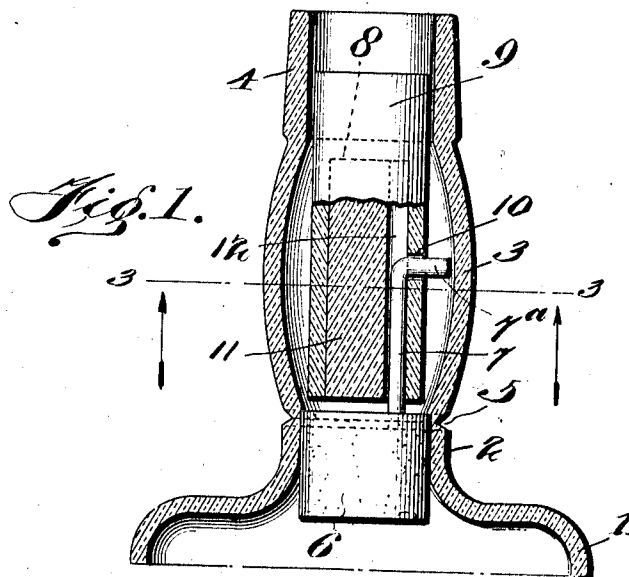


F. BLACK.
NON-REFILLABLE BOTTLE.
APPLICATION FILED JUNE 7, 1912.

1,040,858.

Patented Oct. 8, 1912.



Witnesses
M. Max. Derrall.
David H. H. H.

Inventor
Ferdinand Black
by
Milken, Fisher,
Cuthbertson & MacKay
Attorneys

UNITED STATES PATENT OFFICE.

FERDINAND BLACK, OF NEW ORLEANS, LOUISIANA, ASSIGNOR OF THIRTY ONE-HUNDREDTHS TO OTTO LERCH, OF NEW ORLEANS, LOUISIANA.

NON-REFILLABLE BOTTLE.

1,040,858.

Specification of Letters Patent.

Patented Oct. 8, 1912.

Application filed June 7, 1912. Serial No. 702,313.

To all whom it may concern:

Be it known that I, FERDINAND BLACK, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Non-Refillable Bottles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in non-refillable bottles, and it is intended to provide a bottle which cannot be opened without breaking off the neck, after once being filled.

The invention will be understood by reference to the accompanying drawings, in which the same parts are indicated by the same letters throughout the several views.

Figure 1 shows a central vertical section through the upper part of the bottle, with the closure in place. Fig. 2 is a similar view, showing the cork inserted, and the lock about to be inserted, in the neck of a bottle. Fig. 3 shows a section along the line 3-3 of Fig. 1, and looking in the direction of the arrows.

1 represents the body of the bottle, provided with a neck composed of a short section 2 for the cork, a barrel-shaped section 3, adapted to receive the lock, and a short cylindrical section 4 at the top of the neck. The neck is reduced in thickness, as at 5, so that it may be readily broken off by hand.

The bottle is filled in the ordinary way, and then the cork 6 is inserted, engaging in the portion 2 of the neck. Then the bent wire 7 is inserted in the hollow portion 8 of the plug 9, with the end 7^a of said wire projecting into the hole 10, in said plug 9. The second plug 11 is slidably mounted in the hollow portion 8 of the plug 9, and is provided with a groove 12, adapted to receive the long arm of the bent wire 7. The two plugs 9, 11, and the wire 7 constitute

a lock. They are assembled as shown in Fig. 2, and then by shoving down on the plug 9, until the parts attain the position shown in Fig. 1, the short arm 7^a of the bent wire 7 is caused to project out through the hole 10, into the inside of the barrel-shaped portion 3 of the neck; and thus an effective lock, preventing the cork from being removed without breaking the neck of the bottle, is provided.

It will be obvious that various modifications might be made in the herein described device, and in the construction, combination, and arrangement of parts, which could be used without departing from the spirit of my invention.

Having thus described my invention, what I claim and desire to secure by Letters Patent of the United States is:—

1. A non-refillable bottle, comprising a neck having the lower portion adapted to receive the cork, a barrel-shaped intermediate portion, a lock consisting of a hollow plug perforated at one side, a slotted plug adapted to slide into said hollow plug, and a bent wire mounted partly in said slot, and having a short arm projecting through said perforation in the outer plug, substantially as described.

2. A non-refillable bottle, comprising a neck having the lower portion adapted to receive the cork, a barrel-shaped intermediate portion, a lock consisting of a hollow plug perforated at one side, a slotted plug adapted to slide into said hollow plug, and a bent wire mounted partly in said slot, and having a short arm projecting through said perforation in the outer plug, and engaging in the inside of the barrel portion of said neck, substantially as described.

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

FERDINAND BLACK.

Witnesses:

CHAS. G. GILL,
SOUTHRON R. DUVAL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."