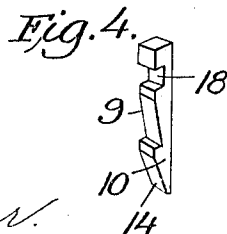
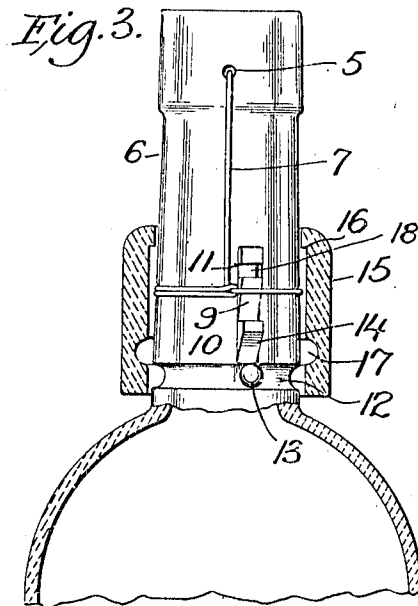
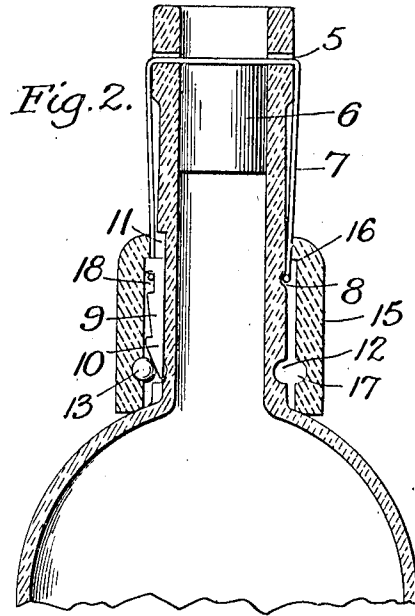
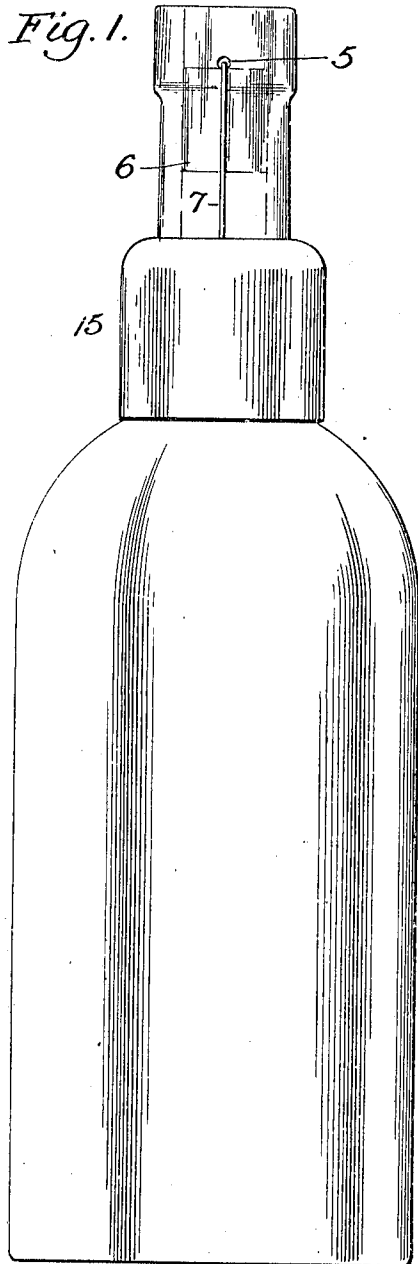


G. HALL.
BOTTLE.

APPLICATION FILED MAY 19, 1909.

950,446.

Patented Feb. 22, 1910.



WITNESSES:

James F. Duhamel.

K. Delabar.

INVENTOR

Gilbert Hall

BY *Victor J. Evans*

ATTORNEY

UNITED STATES PATENT OFFICE.

GILBERT HALL, OF BROOKLYN, NEW YORK.

BOTTLE.

950,446.

Specification of Letters Patent.

Patented Feb. 22, 1910.

Application filed May 19, 1909. Serial No. 496,886.

To all whom it may concern:

Be it known that I, GILBERT HALL, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Bottles, of which the following is a specification.

This invention relates to bottles of that class which is provided with locking means for its stopper which when removed or destroyed cannot be repaired or replaced and consists of a wire or string passed through perforations in the neck of the bottle and the cork and having its ends concealed beneath a sleeve which is locked on the neck of the bottle after the ends of the wire or string are joined and tied, as will be more fully described in the following specification, set forth in the claims and shown in the drawings where:

Figure 1 is a side elevation of the bottle. Fig. 2 is a vertical sectional view through the neck. Fig. 3 is an elevation of the neck of the bottle with the sleeve in section. Fig. 4 is a detail of the wedge.

This invention is applicable to all types of bottles and more especially to bottles to contain expensive or a high class of beverage which are to be sealed so as to preclude any chance of substitution or adulteration.

The neck of the bottle has perforations passing through it a short distance below the mouth and above or beside the cork and through these holes is passed a wire or cord above the cork or through the same and the ends are carried down the outside of the neck of the bottle and wound around the same in a groove and tied. The wire as it passes around the bottle crosses the inclined face of a wedge carried in a recess in the neck of the bottle and holds it in its elevated position as shown in Fig. 3. Near the lower end of the neck is a circumferential groove at which the recess terminates and in the lower end of the recess and groove is placed a ball where it will be engaged by the lower inclined face of the wedge.

After the cork is placed in the bottle and secured by the wire and the latter tied around the neck with the wedge in its elevated position, the ball is located adjacent to the wedge and over the neck is fitted a sleeve of glass or suitable material with an interior shoulder and groove. As the sleeve is forced down it carries with it

the wedge 9, which is engaged by the shoulder 16, and the face 14 forces the ball 13 outward and into the groove 17 which then registers with the groove 12 and while the ball is free to roll around the circular space made by the grooves it acts as a key to prevent the removal of the sleeve. The upper end of the wedge passes down the band of the wire 7 which drops into the notch 18 and the band and its knots or loops are securely covered and there is no possibility of their being tampered with because the ball 13 locks the sleeve against removal.

The transparent nature of the sleeve affords a ready means for the inspection of the complete wire or cord to see if it has been tampered with.

In case that there is any danger of the wire being broken and again joined by fusing a covered wire may be used or the cord as above specified. It is obvious that other modifications may be made in the construction and arrangement of the parts without departing from the essential features above described.

What I claim as new and desire to secure by Letters Patent is:

1. In a bottle, the combination with the neck of a bottle having a vertical recess and a circumferential groove, of a sleeve, a cork, a wire retaining the cork and having its ends covered by the sleeve and locking means in the recess and groove for preventing the removal of the sleeve.

2. In a bottle, the combination with the neck of a bottle having perforations, a vertical recess and a circumferential groove, of a cork, a wire passing through the perforations to retain the cork, a sleeve on the neck of the bottle and covering the ends of the wire, said sleeve having a shoulder and cooperating groove, and locking means operated by the shoulder and working in the grooves.

3. In a bottle, the combination with the neck of a bottle having perforations, a vertical recess and a circumferential groove, of a cork, a wire passing through the perforations to prevent the removal of the cork and encircling the neck, a sleeve with an interior shoulder and cooperating circumferential groove, a wedge in the recess acted on by the shoulder, and locking means actuated by the wedge and disposed in the circumferential grooves of the bottle neck and sleeve.

4. The combination with a bottle having
a neck provided with perforations near the
mouth, a vertical recess and a circumferen-
tial groove, of a cork, a wire passing through
5 the neck and perforations above the cork
and having a band encircling the neck, the
encircling portion of said wire lying in
said circumferential groove and crossing
said recess, a sleeve having a shoulder and
10 groove, said sleeve being disposed on the
neck of the bottle and covering the band of

the wire, a wedge in the recess operated on
by the shoulder and a ball at the lower end
of the wedge operated on by the wedge and
forced into the groove of the sleeve to lock 15
it to the neck.

In testimony whereof I affix my signa-
ture in presence of two witnesses.

GILBERT HALL.

Witnesses:

JAMES F. DUHAMEL,
MAE W. CLINTON.