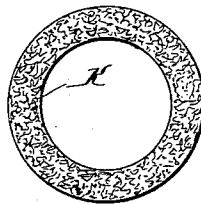
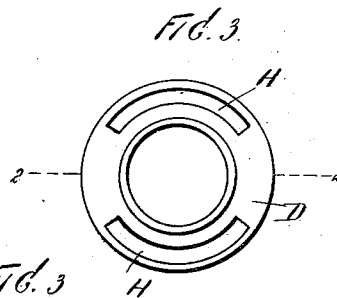
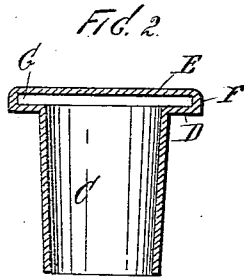
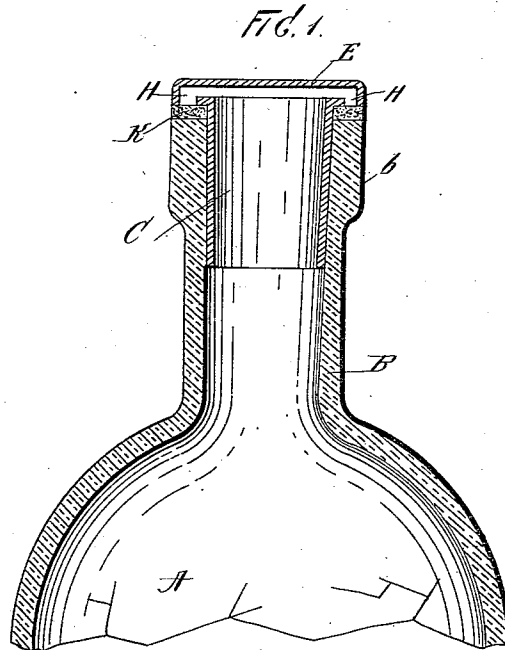


(No Model.)

G. W. BLAKE & J. B. PRICE.
BOTTLE.

No. 557,644.

Patented Apr. 7, 1896.



WITNESSES:

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE WALDRON BLAKE AND JOHN BROWN PRICE, OF NEW YORK, N. Y.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 557,644, dated April 7, 1896.

Application filed October 7, 1895. Serial No. 564,843. (No model.)

To all whom it may concern:

Be it known that we, GEORGE WALDRON BLAKE and JOHN BROWN PRICE, citizens of the United States, and residents of New York, 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, jugs, jars, or other vessels of this class, and the object thereof is to produce a vessel of this class which, having been once sealed, cannot be emptied of its contents without destroying the vessel or leaving evidence of the fact that the same has once been used.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 represents a central vertical section of the upper part of a bottle and the neck thereof provided with my improvement; and Figs. 2, 3, and 4 represent details of the construction, Fig. 2 being a section on the line 2 2 of Fig. 3.

In the accompanying drawings we have shown our invention applied to a bottle, and in the practice of our invention we provide a bottle A, having a neck B, the upper end of which is preferably enlarged or thickened, as shown at *b*, and secured therein is a tubular attachment C, having an annular flange D at the top thereof, and secured to or formed on said annular flange is a cap or cover E, provided with a downwardly-depending rim F, by means of which an annular chamber G is formed between the cap or cover E and the annular flange D.

Fig. 3 is a bottom plan view of the tubular attachment C, and on an examination of this figure it will be seen that the flange D is provided at opposite sides with segmental ports or openings H, and the section shown in Fig. 1 is arranged so as to cut through these ports or openings H.

In this class of devices the bottle or other vessel must first be filled before the neck attachment is applied, and the bottle A having been filled with the required contents, an annular ring or packing K is placed over the

end of the neck or nozzle of the bottle, as clearly shown in Fig. 1, and said annular ring or packing K is preferably composed of cork, though it may be composed of any preferred material. The tubular attachment C is then secured in place by any desired means, preferably by cement, placed thereon in a plastic condition, which, when the tubular attachment is inserted and forced into the vessel, will set and prevent the removal thereof, and the connection between the annular flange D and the cork ring K is such as to make the vessel tight even if the connection between the attachment C and the neck thereof were such as to perfectly seal the bottle.

When it is desired to empty the bottle, the cork ring or packing K is cut out adjacent to and below the segmental openings H and the contents of the bottle may be discharged through said opening and beneath the flange D, as will be readily understood.

The tubular attachment C, provided with the cap or cover E, cannot be removed without breaking the bottle or the neck thereof, and the removal of the packing-ring K will be evidence of the fact that the bottle has been once used, and it will thus be seen that we accomplish the object of our invention by means of a device which is simple in construction and operation and comparatively inexpensive.

Our invention is not limited to the exact form, construction, and arrangement of parts shown and described, and we therefore reserve the right to make all such alterations therein and modifications thereof as fairly come within the scope of our invention.

Having fully described our invention, we claim and desire to secure by Letters Patent—

1. The combination with the neck of a bottle, of a tubular attachment adapted to fit and be secured within the neck, said attachment having an annular flange at the top thereof in connection with which is formed a cap or cover provided with a downwardly-depending rim, said annular flange being provided with ports or openings, and a packing-ring of cork or other material between the said flange and the neck or nozzle of the bottle, substantially as shown and described.

2. A device for closing the neck of a bottle,

comprising a tubular attachment adapted to fit in and be secured within said neck, said tubular attachment being provided at its top with an annular flange, and a cap or cover
5 formed integral with said attachment, said flange being provided with segmental openings substantially as described.

3. A device for closing the neck of a bottle, comprising a tubular attachment adapted to
10 enter said neck, and to be cemented therein, said attachment having an annular flange in which are formed segmental openings, and a cap or cover formed integral with said flange

and connected therewith on the periphery thereof, and an annular packing-ring of cork 15 adapted to be used in connection with said attachment, substantially as described.

In testimony that we claim the foregoing as our invention we have signed our names, in presence of the subscribing witnesses, this 4th 20 day of October, 1895.

GEORGE WALDRON BLAKE.
JOHN BROWN PRICE.

Witnesses:

C. GERST,
N. J. SUNESON.