

No. 681,774.

L. C. BAILEY.

Patented Sept. 3, 1901.

BOTTLE.

(Application filed Mar. 9, 1896.)

(No Model.)

Fig. 1.

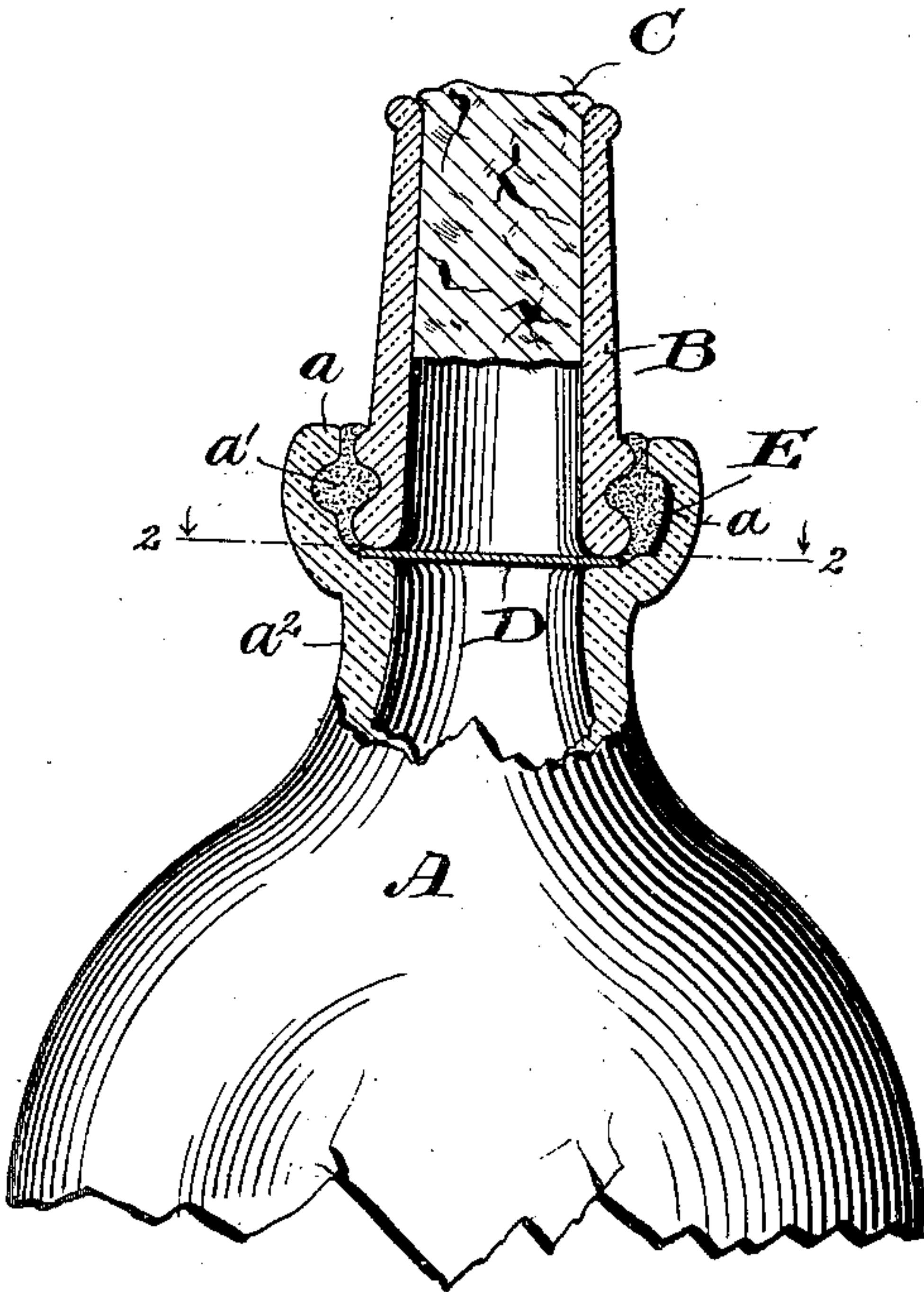


Fig. 3.

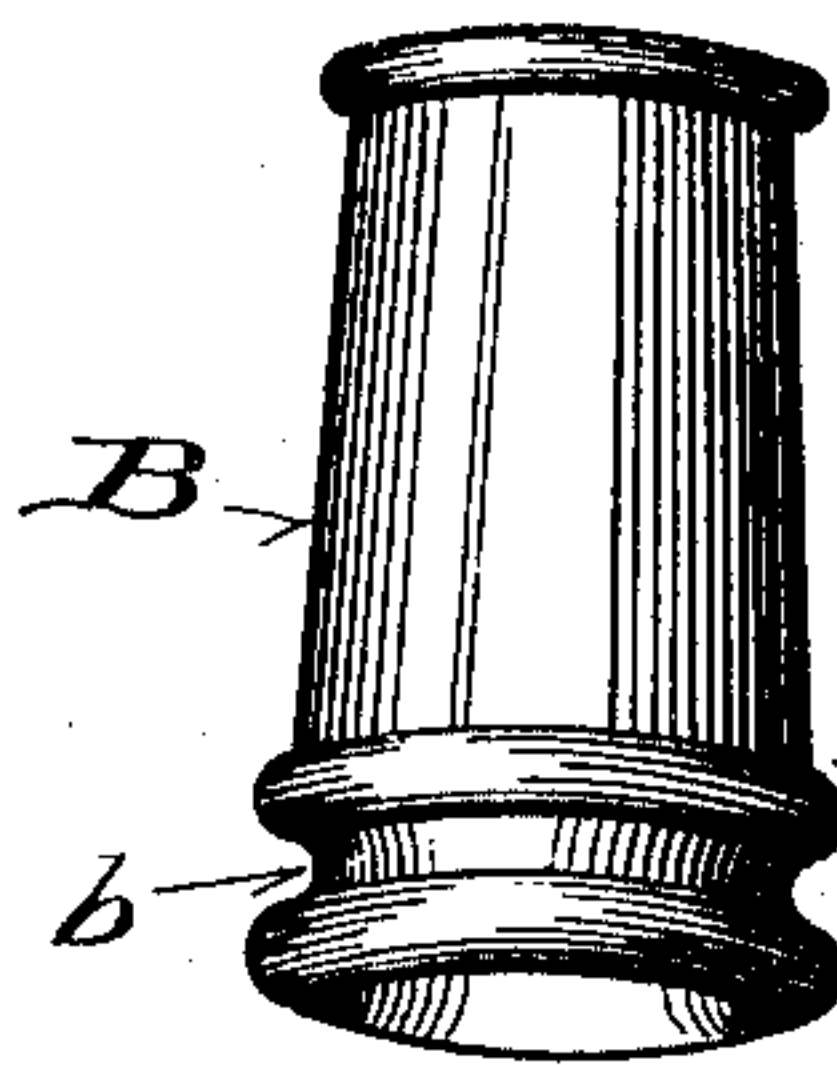


Fig. 2.

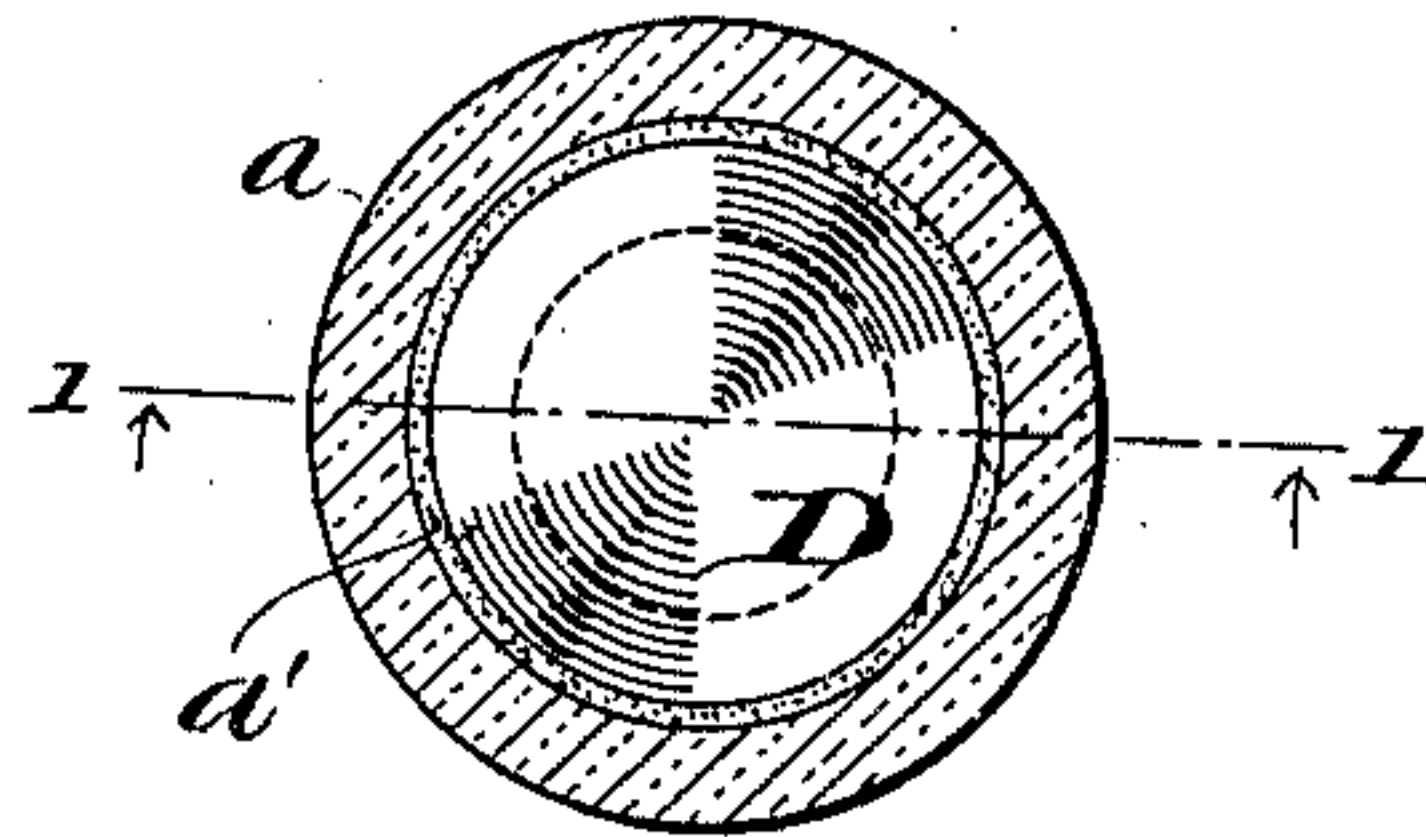
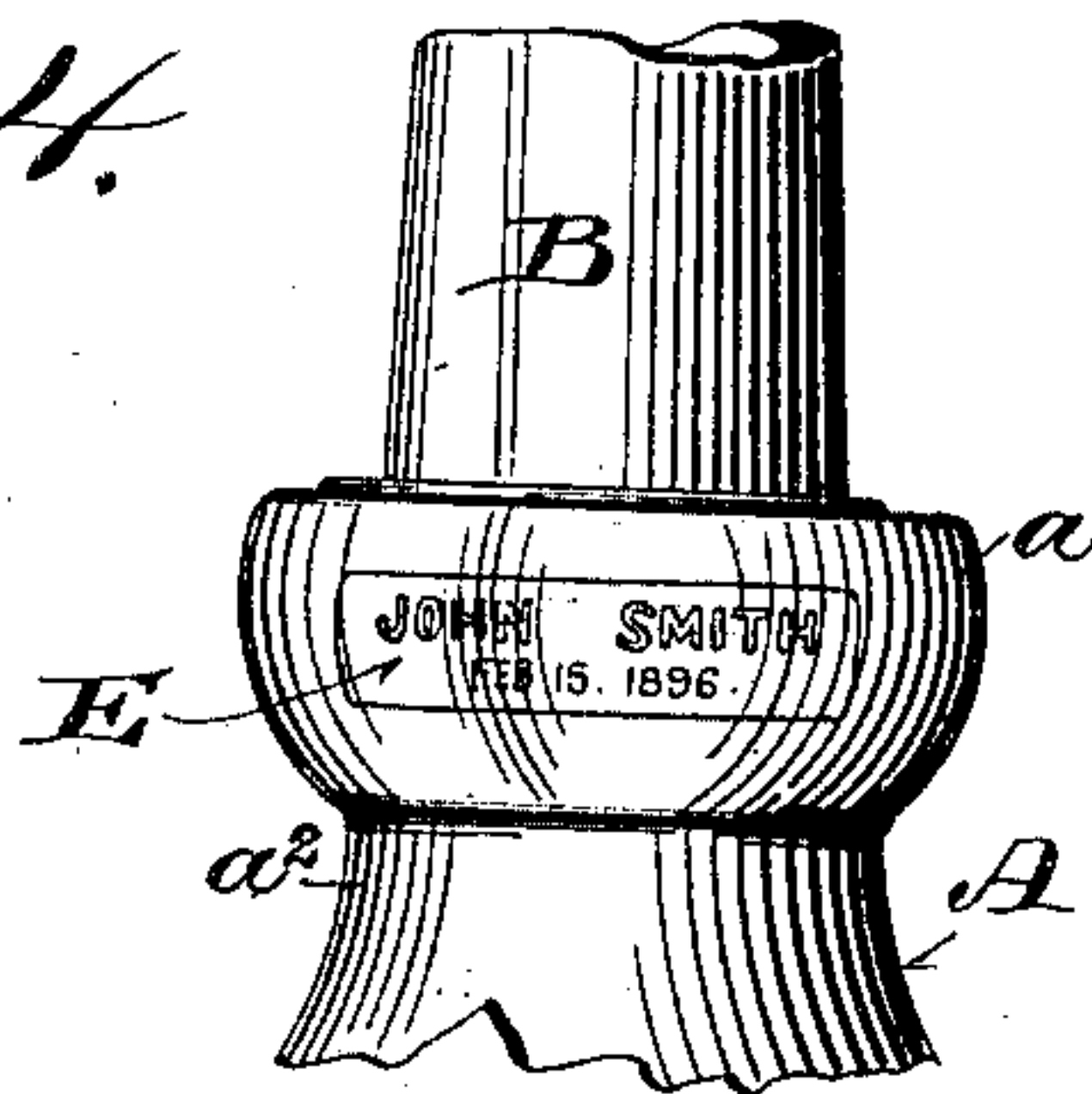


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

LEONARD C. BAILEY, OF FLORENCE, COLORADO.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 681,774, dated September 3, 1901.

Application filed March 9, 1896. Serial No. 582,377. (No model.)

To all whom it may concern:

Be it known that I, LEONARD C. BAILEY, of Florence, in the county of Fremont and State of Colorado, have invented certain new and
5 useful Improvements in Bottles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, refer-
10 ence being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of my invention is to afford evi-
15 dence that the original contents of bottles have been removed, and thus prevent the sale of inferior or other goods for the original contents of such bottles.

It consists, essentially, of a perforable seal
20 so secured in the throat of a bottle below its stopper or mouth that it cannot be replaced without breaking the bottle, a neck extension formed separately from the bottle and adapted to be permanently secured in the bot-
25 tle for holding such a seal in place, and a label interposed between such a neck extension and the mouth of the bottle and visible through the rim around the mouth.

In the accompanying drawings like letters
30 designate the same parts in the several figures.

Figure 1 is a view, partly in elevation and partly in vertical section, on the line 1 1, Fig. 2, of the upper portion of a bottle to
35 which my improvements are applied. Fig. 2 is a horizontal section taken through the neck of the bottle on the line 2 2, Fig. 1. Fig. 3 is a detached view of the neck extension, and Fig. 4 is an elevation of the neck
40 of the bottle viewed from the right with reference to Fig. 1 and showing an internal label forming a part of my improvements.

Inferior articles, such as are commonly put up and sold in bottles, are frequently sold for
45 those of a higher grade which have acquired a reputation by being placed and offered for sale in bottles which originally contained the goods of higher grade and price. This is particularly the case with liquors, and to protect
50 dealers and consumers against such deception and imposition is the design of my improvements.

Referring to the drawings, A designates the upper part of a bottle formed integrally with a neck a^2 , having an annular rim a , which is
55 internally recessed to receive the base of a separately-formed neck extension B. This neck extension may, like the bottle, be made of glass, and it is of sufficient length and of the proper shape to receive and hold an ordinary
60 cork C or any other suitable kind of stopper. It is formed at its lower end, as shown in Fig. 3, with an external groove or recess b , adapted to receive the cement by which it is se-
65 cured and permanently held in the recessed rim a of the bottle-neck, as shown in Fig. 1. To receive the cement and insure its holding the neck extension in the recessed rim of the
70 bottle-neck and to prevent the removal of said neck extension without breaking the bottle, the said rim is formed with an internal outwardly-extending groove or recess a' , as
75 shown in Fig. 1. The bottle-neck and neck extension are preferably so formed that the hole in the neck extension will be of approximately the same size as and form a continu-
80 ation of the hole in the neck a^2 .

D is a perforable seal, consisting of a thin disk of any suitable material, such as alu-
85 minium, of sufficient strength to support the contents of the bottle when it is inverted without danger of being ruptured by the weight of such contents. This seal is placed
90 in the recessed rim a of the bottle, as shown in Figs. 1 and 2, after the bottle has been filled. The neck extension B is then inserted and secured in place over said seal by any
95 suitable kind of cement or sealing material which after it has cooled or set cannot be removed so as to replace a punctured seal with-
100 out breaking the bottle.

As an additional safeguard and protection against unauthorized use of the bottle and to designate the origin, nature, quality, or age
95 of the contents of the bottle a label E, bearing the name of the manufacturer or other designation, may be placed inside of the re-
100 cessed rim a of the bottle between it and the base of nozzle B and permanently secured therein with said nozzle, as shown in Figs. 1
and 4, so as to be visible through said rim and be inaccessible to the contents of the bottle. To remove the original contents of a bottle provided with my protective seal, the

cork C is drawn or the stopper removed in the usual way, and the seal D, being then exposed, is punctured with a corkscrew or other convenient and suitable instrument. If upon
5 withdrawing the cork or removing the stopper of such a bottle it is found that the seal has already been punctured, this would afford unmistakable evidence that the original contents of the bottle had been withdrawn or
10 tampered with; but if the seal were found intact it would afford equally reliable assurance that the bottle still contained its original contents undisturbed.

Various changes in minor details of construction in the application of my improvements to bottles of various kinds for containing different articles or kinds of merchandise may be made within the spirit and intended scope of my invention.

20 I claim—

1. A bottle provided with a perforable seal which is permanently secured at its edges inside the throat and below the mouth of the bottle so that it cannot be removed or re-
25 placed without breaking the bottle, whereby change or removal of the contents of the bottle without puncturing the seal is prevented, substantially as and for the purposes set forth.

2. A bottle provided with a separately-
30 formed neck extension permanently secured

thereto in such manner as to prevent its removal without breaking the bottle, and with a perforable seal held in the throat of the bottle below its mouth by said neck extension, substantially as and for the purposes set forth. 35

3. A bottle formed integrally with a neck having an internally-recessed rim and provided with a separately-formed neck extension which has an external recess in its lower end and is permanently secured in said recessed rim by cement, and a perforable seal secured at its edges between the base of said neck extension and said recessed rim, substantially as and for the purposes set forth. 40

4. A bottle integrally formed with an internally-recessed rim and provided with a separately-formed neck extension and with a label interposed between said rim and neck extension and visible through the rim in which it is permanently cemented with said neck
50 extension, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

LEONARD C. BAILEY.

Witnesses:

CHAS. L. GOSS,
M. L. EMERY.