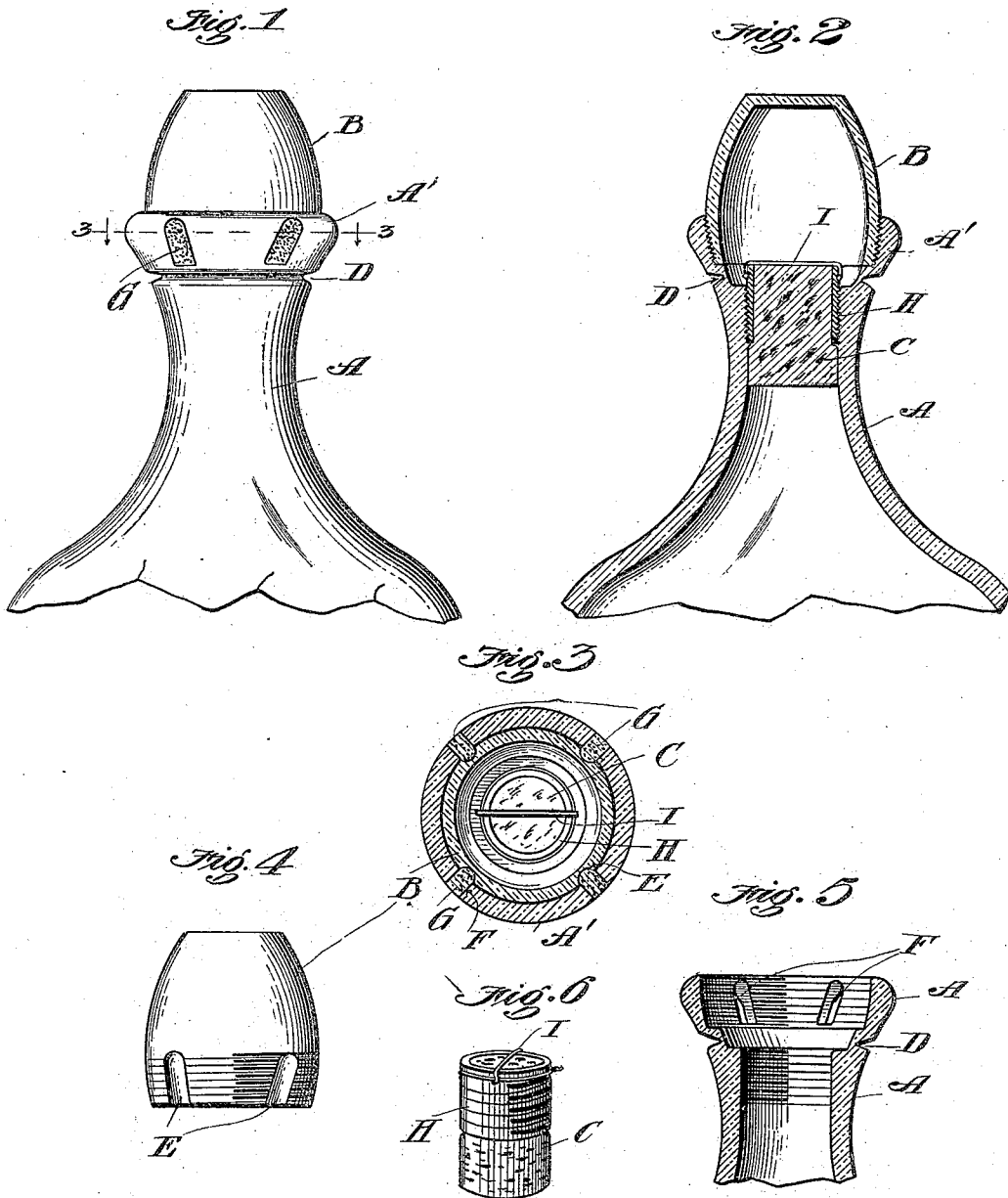


No. 820,093.

PATENTED MAY 8, 1906.

L. A. CALHOUN.  
BOTTLE.

APPLICATION FILED AUG. 7, 1905.



Witnesses  
Edmund A. Stause,  
Margaret B. Nickelson.

Inventor  
Laura A. Calhoun  
by Hazard & Harpman,  
Attorneys.

# UNITED STATES PATENT OFFICE.

LAURA A. CALHOUN, OF OCEANPARK, CALIFORNIA.

## BOTTLE.

No. 820,093.

Specification of Letters Patent.

Patented May 8, 1906.

Application filed August 7, 1905. Serial No. 273,175.

*To all whom it may concern:*

Be it known that I, LAURA A. CALHOUN, a citizen of the United States, residing at Oceanpark, in the county of Los Angeles and State of California, have invented new and useful Improvements in Bottles, of which the following is a specification.

This invention is an improvement upon my bottle as shown in Letters Patent No. 726,402, issued to me on the 28th day of April, 1903; and the object of this invention is to provide a bottle having substantially all the features shown in the bottle described in said patent and in addition thereto other features which are herein shown and described and to so arrange the construction of the head and neck of a bottle that the same can be manufactured easily in large quantities. I accomplish these objects by means of the device described herein and shown in the accompanying drawings, in which—

Figure 1 is an elevation of the neck of a bottle embodying my invention, the neck being broken. Fig. 2 is a central vertical section of the same. Fig. 3 is a transverse section taken on line 3 3 of Fig. 1 looking downwardly, as indicated by the arrow-heads thereon. Fig. 4 is my removable top. Fig. 5 is a central vertical section of the top of the neck broken from the bottle. Fig. 6 is a perspective view of a stopper.

In the drawings, A is the neck of the bottle, and B is the top thereof. C is the cork. The neck of this bottle is provided with an annular groove D, extending around the neck a short distance below the top thereof. The upper extension A' on the neck of the bottle is internally threaded for the engagement with external threads on the removable head B.

In Fig. 4 I have shown the detachable head B removed from the bottle, the lower end of which is externally threaded. Disposed around the exterior of the detachable head are cement-receiving recesses E. These recesses when the top is in place in the bottle are designed to register with the apertures F in the extension of the neck of the bottle and form a receptacle for cement to seal the top of the neck and prevent its removal therefrom without breaking the seal. The annular groove D is located on the neck of the bottle below the point where the top when in place therein terminates. The top can only be removed and the contents of the bottle taken therefrom by breaking the neck of the bottle.

This will occur at the point where the annular groove D surrounds the same. After the removal of the top the bottle will still be corked, and to get at the contents the stopper will have to be withdrawn.

In Fig. 6 I have shown in perspective my improved bottle-stopper, comprising the cylindrical cork-holder H, screw-threaded, as shown, and provided in its upper end with an annular groove for the reception of a wire I to hold the cork in place in the neck of the bottle. These holders are put in the condition as shown and to be placed in the bottle as shown in Fig. 2. These stoppers being in condition for insertion in the neck of the bottle after they are placed therein, the top B is screwed into the extension A' and sealed therein, as hereinbefore stated. When it is desired to get at the contents of the bottle, the extension A' first is broken off, carrying with it the top, and any glass that may remain around the top of the neck of the broken bottle is removed therefrom, after which the cork may be taken out after removing the wire I.

Thus it will be seen that I have provided a bottle which cannot be refilled without disclosing the fact that the original contents may have been removed. At the same time I provide handy means to remove the top, without which access cannot be had to the bottle. When the cement G is in place in the openings provided therefor, the top cannot be unscrewed without removal of the cement and the cement cannot be removed without breaking the neck of the bottle. The cork is longer than the retainer H and projects downwardly therethrough below the bottom of the holder and will expand, so as to engage the inner walls of the bottle and hermetically seal the same.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A bottle provided with a removable top having recesses on the outside thereof and screw-threaded as shown, and having an extension on the neck thereof for the reception of the top, the said neck being internally screw-threaded and having apertures therethrough to register with the recesses in the top and cement in the recesses the neck being provided with an annular groove therein.

2. The herein-described bottle provided with an extension A' on the neck thereof and an annular groove extending around the

neck of the bottle at the top thereof and below the extension thereon, the said extension being provided with internal threads, in combination with a stopper B provided with external threads on the bottom thereof and having recesses therein for the reception of a sealing substance, the extension on the neck having apertures therethrough adapted to register with the recesses in the top substantially as herein shown and described.

3. A bottle having internal threads in the neck thereof to engage threads on a removable top and an annular groove thereon, the neck being also provided with apertures in the sides thereof adapted to register with recesses in the top, in combination with a re-

movable top provided with threads on the bottom thereof to engage the threads in the neck of the bottle and having recesses therein for the reception of sealing material; a stopper for said bottle having a screw-threaded cork-retainer; a cork therein adapted to project downwardly past the retainer and bulge outwardly and adapted thereby to engage the inner walls of the neck of the bottle.

In witness that I claim the foregoing I have hereunto subscribed my name this 28th day of July, 1905.

LAURA A. CALHOUN.

Witnesses:

HENRY T. HAZARD,  
MARGARETE C. MEKELESON.