

(No Model.)

E. C. POLLARD.
BOTTLE.

No. 566,619.

Patented Aug. 25, 1896.

Fig. 1,

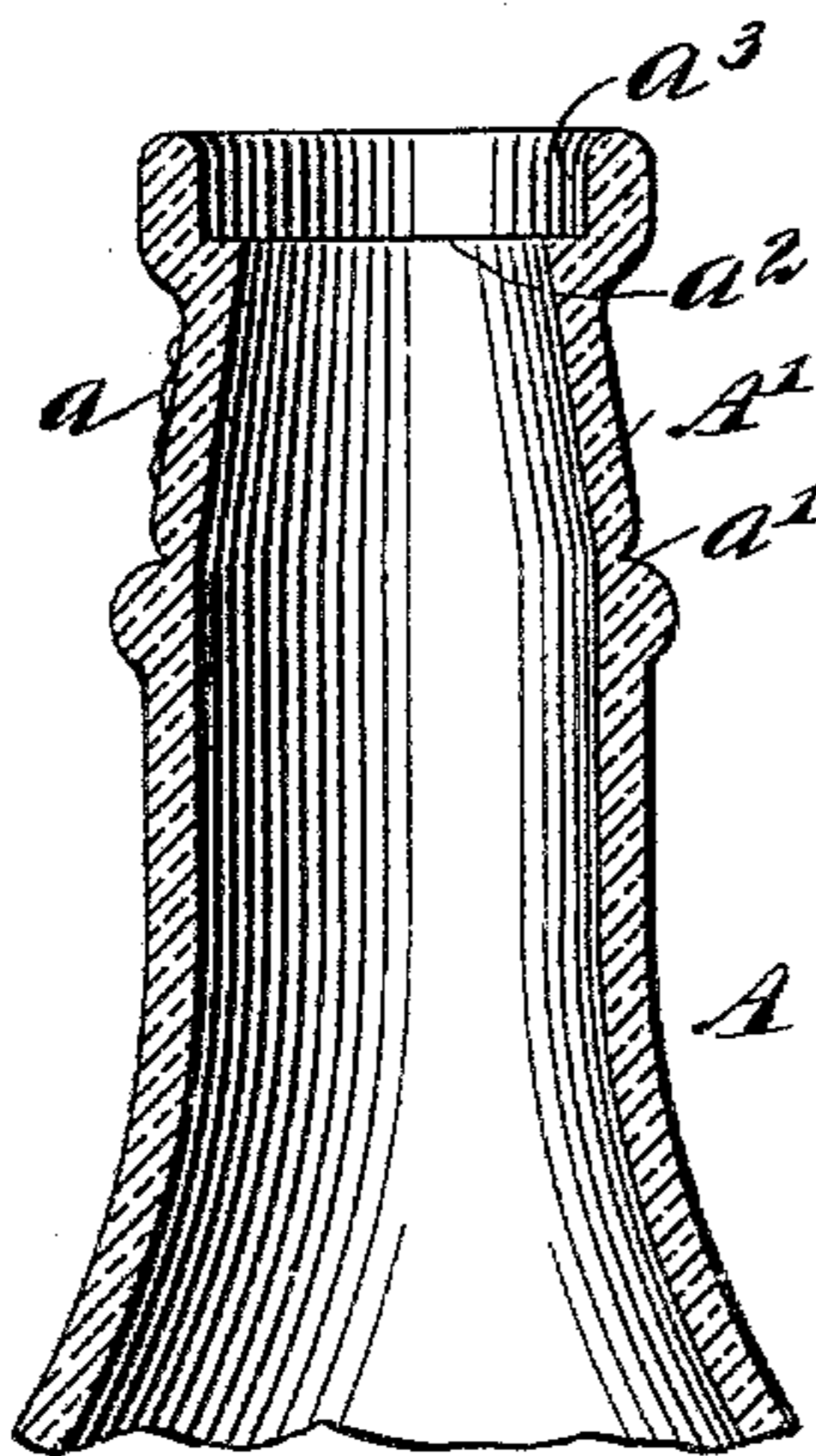


Fig. 2,

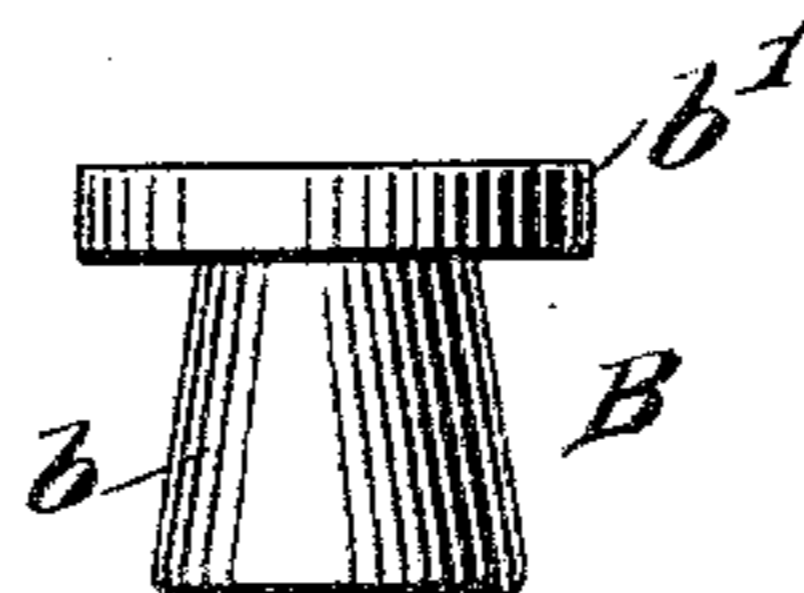
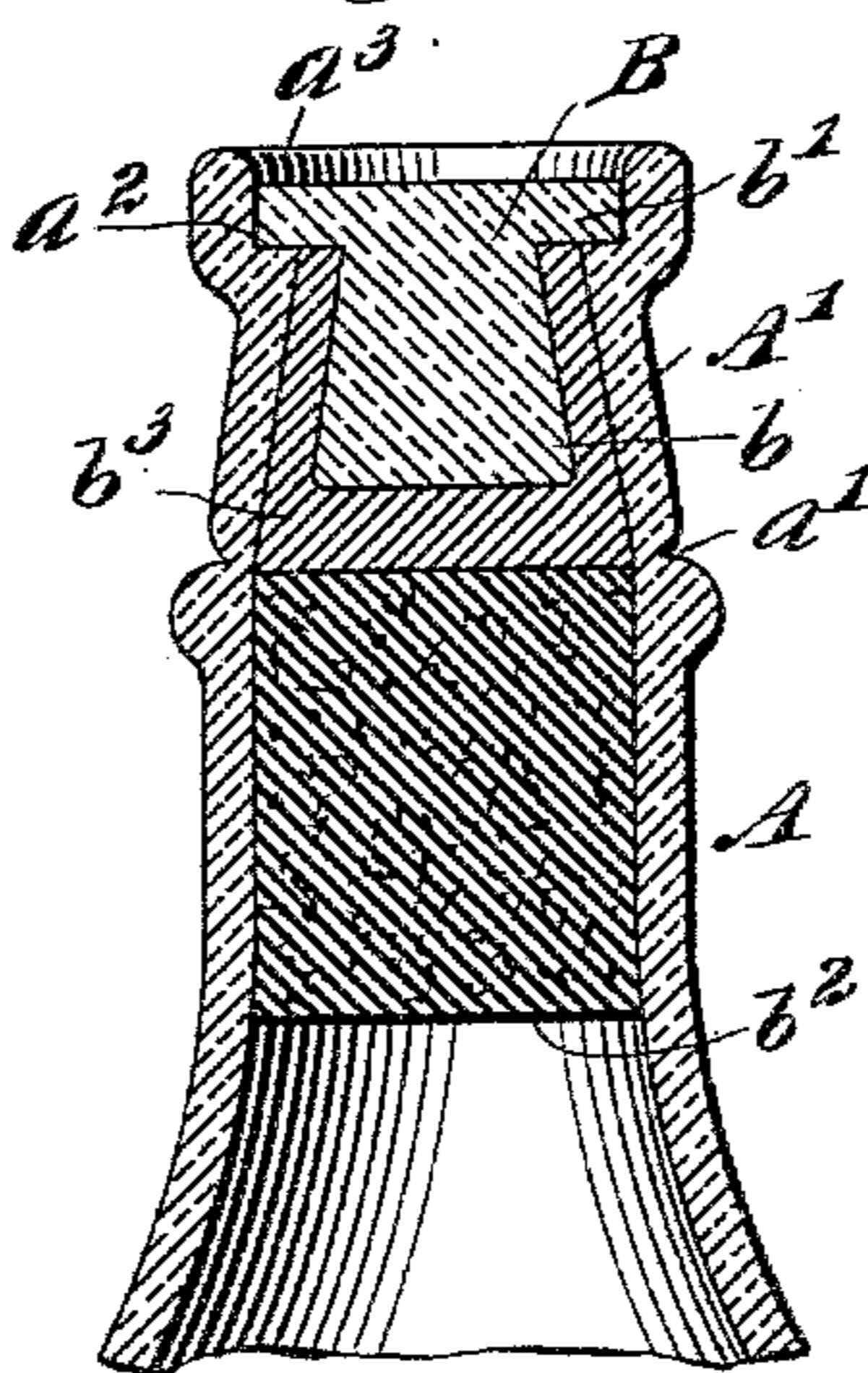


Fig. 3.



WITNESSES:

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ENOS C. POLLARD, OF HOLT, MONTANA, ASSIGNOR TO HIMSELF, AND JOHN M. LYNCH AND WILLIAM READ, OF COLUMBIA FALLS, MONTANA.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 566,619, dated August 25, 1896.

Application filed October 12, 1895. Serial No. 565,474. (No model.)

To all whom it may concern:

Be it known that I, ENOS C. POLLARD, of Holt, in the county of Flathead and State of Montana, have invented new and useful Improvements in Bottles, of which the following is a full, clear, and exact description.

This invention relates to that class of bottles having means to prevent the fraudulent refilling.

The object of this invention is to provide a bottle so constructed that a portion thereof must be broken off before the contents can be discharged, thereby providing proof that the bottle has been refilled should it be presented in its broken condition.

I will describe a bottle embodying my invention, and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a longitudinal section of the neck portion of a bottle embodying my invention. Fig. 2 is a side elevation of a sealing-stopper employed, and Fig. 3 is a longitudinal section showing the bottle as sealed.

Referring to the drawings, A designates the neck portion of a bottle of glass or similar fictile material, and A' is an integral sealing extension thereon, and upon this sealing extension a trade-mark a may be placed. A groove a' is formed at the juncture of the neck A and the sealing extension A' for the purpose of reducing the thickness of the glass at this point, so that the extension may be easily broken from the neck by a blow from a suitable implement. I have here shown the groove a' as formed in the exterior of the parts, but it may be formed in the interior without departing from the spirit of my invention. If desired, a bead may be formed around the upper end of the neck to thicken the same at the junction to prevent the breaking of the neck end.

From the junction a' the interior wall of the extension A' is tapered inward and the inner wall of the neck A may be tapered inward from the junction a' , but this is not absolutely necessary. The interior upper por-

tion of the sealing extension has an annular shoulder a^2 , and an annular flange a^3 extends upward therefrom.

B is the sealing-stopper, made of any suitable material, such, for instance, as glass. It has a body portion b , flared upward and inward to correspond substantially to the flare of the interior wall of the extension A', and the upper smaller end of the body portion is provided with a head b' , having a diameter to fit easily yet snugly within the flange a^3 , so that an instrument cannot be inserted to extract the stopper. Preferably, when the stopper is in place, its upper surface will be below the top of the flange, and I therefore make the flange of a greater height than the thickness of the head b' of the stopper.

In using this bottle after the desired liquid shall have been placed therein an ordinary cork b^2 is forced into the position shown in Fig. 3, and then a suitable cement b^3 is placed thereon within the extension A'. While the cement is in a soft or yielding state the stopper B is forced therein, causing the cement to fill the space between the body portion of the stopper and the wall of the extension. After the cement shall have become hard the stopper B will be securely keyed within the sealing extension, so that it cannot be removed to gain access to the cork b^2 . This cork b^2 may be removed only after breaking the extension-piece from the neck, and this breaking off of the sealing extension and the consequent destruction of the trade-mark thereon will make the bottle of no further use as an original package, as a purchaser of such broken bottle would, by the absence of the seal, be notified of the spurious article in the bottle.

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

1. A bottle, comprising a neck portion, an extension of the neck having its inner surface tapering inward, the said bottle having a groove formed at the junction of the neck and extension, whereby the extension may be readily broken from the neck, a shouldered and flanged portion at the top of said extension, and a sealing-stopper having a head

portion and a body portion tapering outward from the head, and adapted to be keyed in the extension, substantially as specified.

2. A bottle, comprising a neck portion having a bead formed around its upper end, an integral extension of the neck portion having its inner surface tapering inward, the bottle being provided with a groove at the junction of the neck and extension, an annular shoulder on the interior upper portion of the said

extension, an annular flange extending upward from the said shoulder and a sealing-stopper having a head portion adapted to fit within the flange and rest upon the shoulder, and a body portion tapering outward from the head, substantially as specified.

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Witnesses:

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