No. 795,885. PATENTED AUG. 1, 1905.

E. BETHEL.

BOTTLE AND STOPPER THEREFOR.

APPLICATION FILED AUG. 30, 1904.

Fig. 2

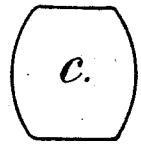
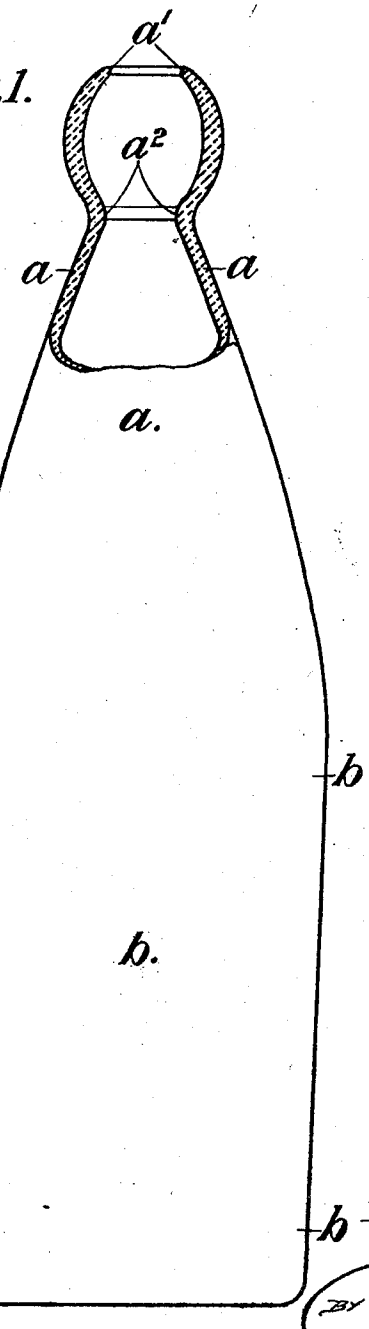


Fig. 1.



Witnesses

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ERNEST BETHEL, OF LIVERPOOL, ENGLAND, ASSIGNOR TO GEORGE AUDLEY, OF LIVERPOOL, ENGLAND.

BOTTLE AND STOPPER THEREFOR.

No. 795,885. Specification of Letters Patent. Patented Aug. 1, 1905.

Application filed August 30, 1904. Serial No. 222,758.

To all whom it may concern:

Be it known that I, ERNEST BETHEL, a subject of the King of England, residing at 28 Greenleaf street, Liverpool, in the county of Lancaster, England, have invented new and useful Improvements in Bottles and Stoppers Therefor, of which the following is a specification.

This invention has reference to the stoppering of bottles, and has primarily for its object and effect to provide a new or improved construction of bottle-mouth or upper part of the neck and to provide a stopper, preferably of cork, to correspond with the same, by which gaseous liquids, such as mineral waters and gaseous wines, can be stoppered without wiring or tying or any analogous or equivalent fastening, while it shall be also equally serviceable for slightly gaseous or any liquids and beer or porter or other still or non-gaseous or slightly gaseous beverages and wines.

The invention is illustrated in the annexed drawings, in which—

Figure 1 is an elevation, partly in section, showing a bottle according to it; and Fig. 2 shows a cork stopper for closing the mouth.

According to this invention the mouth or upper part of the neck *a* of the bottle *b* is constructed of barrel shape—that is, say, from the lip *a'* downward it gradually increases in diameter internally to a center point and then gradually diminishes to a point at a^2, constituting the inner part, where it is about the same diameter as the outer lip *a'*—and it presents in sections two concave sides, the smaller and inner end being restricted or relatively small.

The stopper *c*, which will in some cases be made of ordinary cork wood, is of form to correspond with the interior of the bottle-mouth—namely, barrel shape—and is adapted to fill the cavity of the mouth when forced in, and this can be done by any corking-machine, while on the other hand the cork is easily withdrawn by a corkscrew or extractor. It is found that this stopper is very secure and with and also without internal high pressure is tight and will remain tight, and remains firmly in position without wiring or tying.

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

A bottle for containing liquids having its mouth *a* restricted at the outer part *a'*, and at the inner part a^2, and gradually enlarged toward the center from each end forming a curved concave formation all round inside; and a stopper of corresponding shape and of a length to extend from one restricted part to the other.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ERNEST BETHEL.

Witnesses:

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