

No. 896,156.

PATENTED AUG. 18, 1908.

A. A. ROBERTS.

BOTTLE COVER.

APPLICATION FILED OCT. 29, 1906.

Fig. 1.

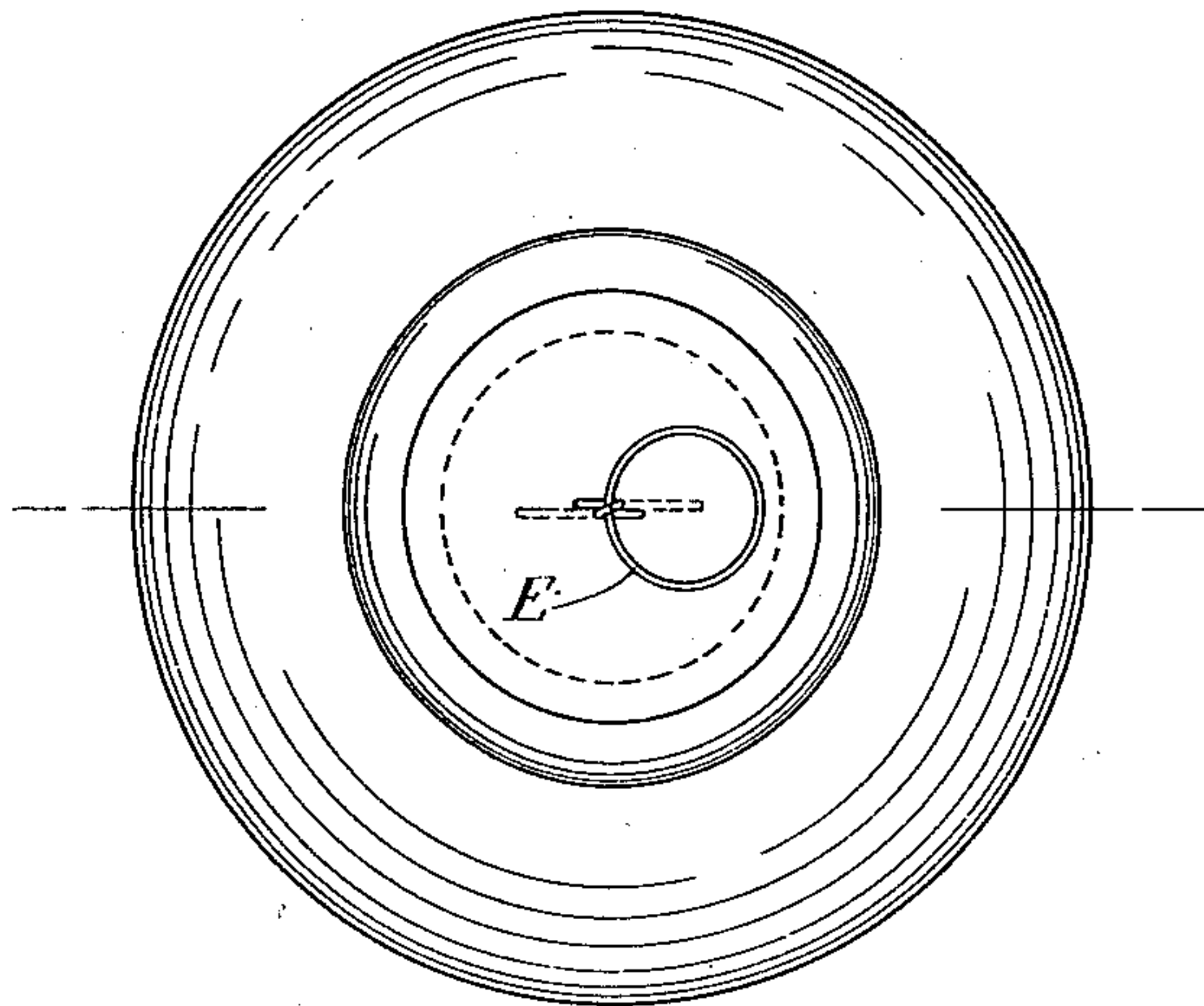


Fig. 2.

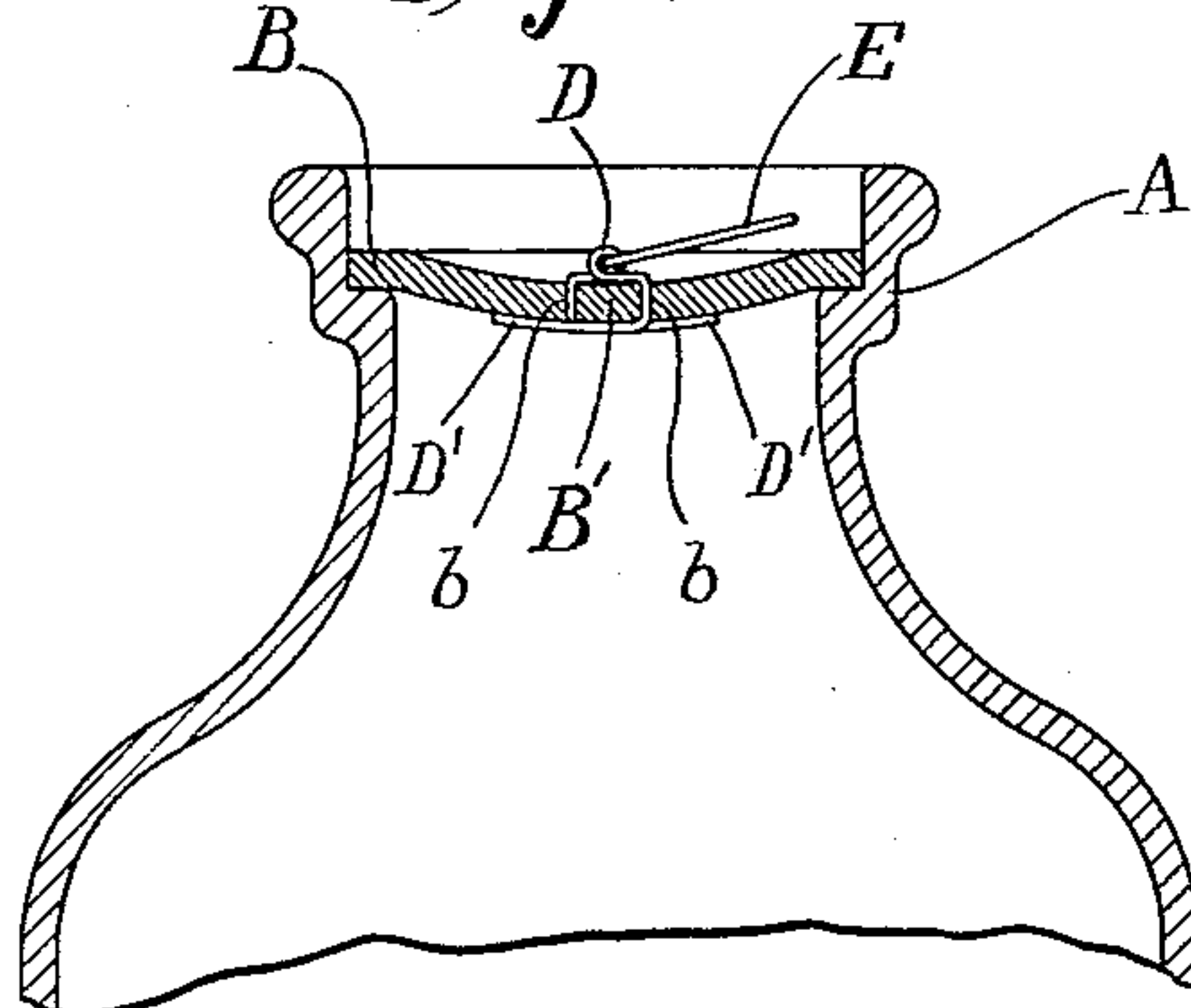
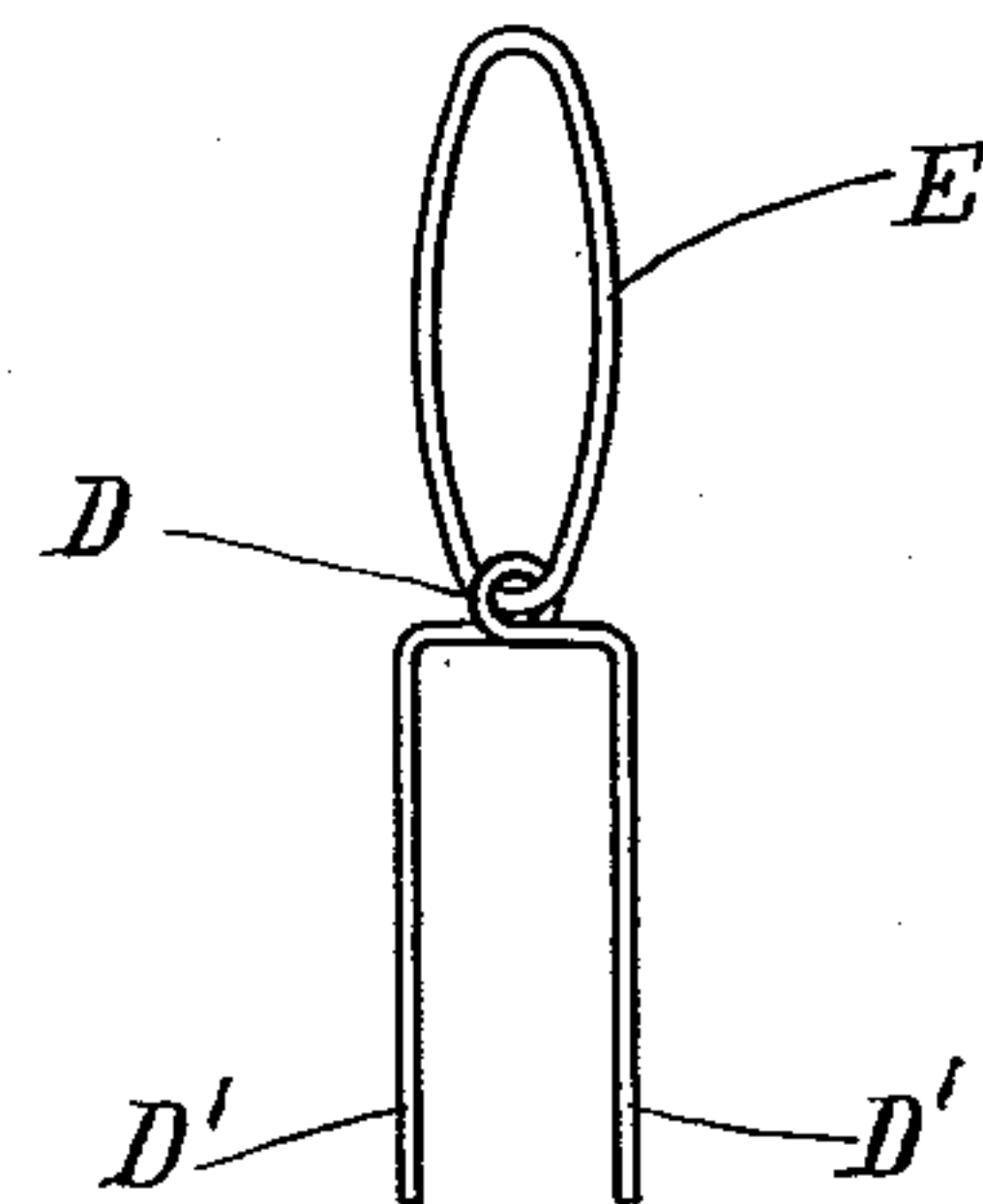


Fig. 3.



Witnesses:

Chas. W. LaRue

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UNITED STATES PATENT OFFICE.

ALICE A. ROBERTS, OF NEW YORK, N. Y.

BOTTLE-COVER.

No. 898,156.

Specification of Letters Patent.

Patented Aug. 18, 1908.

Application filed October 29, 1906. Serial No. 341,035.

To all whom it may concern:

Be it known that I, ALICE A. ROBERTS, residing in the borough of Brooklyn, in the city and State of New York, have invented a certain new and useful Improvement in Bottle-Covers, of which the following is a specification.

The invention pertains to that class of covers or stoppers which are used extensively in the large mouthed bottles, used for milk, and I will describe it as thus applied.

I employ a common and long approved general style,—a lid of yielding material as paste board introduced by a gentle force. I will describe it as resting in a slight rabbet formed in the bottle neck. The novelty lies in the sunk form of the yielding material after it is forced into place and also in provisions above it for taking hold to effect its removal, by means of a loosely connected ring.

In the simplest form I perforate the paste-board at two points near the center and extend a wire down through each and across from one aperture to the other, above the surface of the cover. I can form thereof a sufficient loop to allow it to be seized and lifted by the finger and thumb, or by any instrument, as the point of a pair of scissors. In the fully developed form such loop loosely engages a ring which can fold down.

The construction constitutes an important improvement by its great simplicity, it involves little cost for manufacture and is especially easy to operate. It increases the security of the closing and especially facilitates the opening.

My cover can be operated without any special tools.

The following is a description of what I consider the best means of carrying out the invention.

The accompanying drawings form a part of this specification.

Figure 1 is a plan view of a bottle provided with my cover. Fig. 2 is a central vertical section of the same and Fig. 3 is a view on a larger scale of the metal portions before their application.

These figures show what I consider the most complete form of the invention.

Similar letters of reference indicate corresponding parts in all the figures where they appear.

A is the bottle neck formed as usual with a

rabbet which receives only the edge of the cover.

B is the plane edge portion and B¹ the central concave sunk portion of the flexible but springy material which extends across the mouth of the bottle and rests in the rabbet. I sink the middle portion of this lid in the act of inserting it into the bottle sufficiently to allow a lifting loop to stand permanently upright to a sufficient extent to allow it to be seized directly by the fingers without its extending up enough to prevent resting one bottle directly upon another.

D is a loop formed in a proper wire and D¹ D¹ are the end portions of such wire thrust down through the usual holes *bb* in the central portion of the cover, and secured by spreading as shown. The holes are as usual, sealed with a neutral material, as paraffin. It is easy to push the cover down into its tightly fitting rabbet, where it is held by friction. In what I esteem the most complete form, a ring E is engaged loosely in the loop D, which ring will lie down when not in use, but is easily lifted for use. When such ring is employed, the loop D may be shallower and narrower. The ring may be of sufficient size to afford a strong grip and is depressed when folded down so as to lie entirely in the substantially concave sunk portion in the part B B¹.

To open the bottle the loop D is seized or when as usual the ring E is used such ring is seized by the finger and thumb. With a weak operator or in exceptional cases with any one, some convenient implement as a pair of scissors may be engaged in the loop D or in the ring E engaged therein and used to aid in lifting the previously sunk concave center of the part B¹. So soon as a sufficient force is applied and the sunk center B¹ is sprung upward, the cover is easily removed.

The thickness and rigidity of the portion B B¹ may be varied within wide limits, but it is important to obtain the strength and elasticity required in a single piece and to provide for the sinking of the loop D below the top of the rim of the bottle, so that the bottles may be stored or transported with one resting upon another upright. The bottles may be used for other material than milk.

I claim as my invention:

1. A bottle cover composed of a single piece of elastic material comprising a plane engaging rim and a concave central portion

sunk when in use, in combination with a wire loop engaged with the center, adapted to serve as herein specified.

2. A bottle cover formed of a single piece
5 of elastic material comprising a plane engaging rim and a concave central portion sunk when in use and perforated at two points in combination with a wire loop, with extensions from such loop through the two holes
10 in such material tightly sealed, and with a loosely fitting ring engaged with such loop,

and arranged to fold down in the sunk space when not required, all adapted to serve as herein specified.

Signed at New York in the county of Kings 15
and State of New York this 27th day of October A. D. 1906.

ALICE A. ROBERTS.

Witnesses:

GEO. MCKITTRICK,
HELENA STYLES.