

T. L. CAMIER.

MILK BOTTLE.

APPLICATION FILED FEB. 25, 1909.

945,220.

Patented Jan. 4, 1910.

Fig. 1.

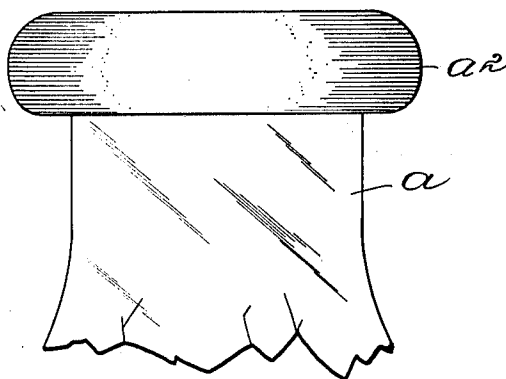


Fig. 3.

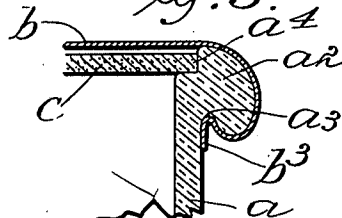
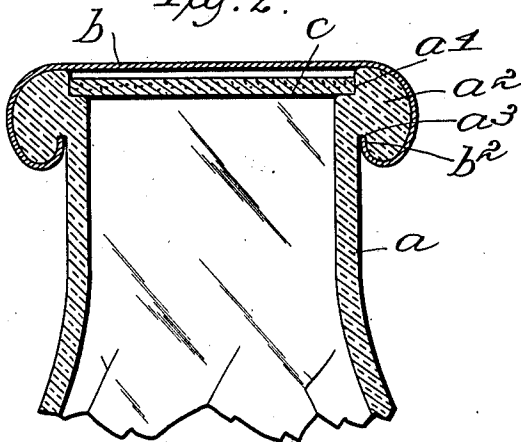


Fig. 2.



WITNESSES:

A. R. [Signature]

Harry P. Confield

INVENTOR

Thomas L. Camier

Edgar Tate & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

THOMAS L. CAMIER, OF BROOKLYN, NEW YORK.

MILK-BOTTLE.

945,220.

Specification of Letters Patent.

Patented Jan. 4, 1910.

Application filed February 25, 1909. Serial No. 479,980.

To all whom it may concern:

Be it known that I, THOMAS L. CAMIER, a citizen of the United States, and residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Milk-Bottles, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to milk bottles and means for closing the same, and the invention consists in a novel construction or formation of the top of the neck of the bottle and in the closure device employed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a side view of the top of a neck of a milk bottle provided with my improvement, Fig. 2 a central vertical section thereof, and;—Fig. 3 a view similar to Fig. 2, but showing a slight difference in construction.

The neck a of the bottle is provided at the top thereof with an annular bead or enlargement a^2 , in the bottom of which and adjacent to the neck is formed a deep annular groove a^3 .

The closure device b consists of a disk or sheet of strong paper, paper and canvas or similar material which is placed on the top of the neck, and which is folded downwardly around the annular enlargement or bead a^2 and put into the annular groove a^3 as clearly shown at b^2 .

In practice the bottle is first filled and the closure device b is then applied, and this operation is performed by a suitably constructed machine, and in taking off the closure device b the top portion thereof is split, slit or torn with any suitable instrument or, if desired, sufficient pressure may be applied thereto by the thumb or finger so as to puncture or break the said closure device, after which it may be removed as will be readily understood. I also preferably form in the top of the neck a an annular groove a^4 in

which is placed a fibrous or other suitable disk c of the usual form and construction, and this disk, as will be understood, forms an additional closure device, and when the same is employed, it is placed in position, as will be understood, before the main closure device b is applied as above described.

In the construction shown in Fig. 3, the annular groove a^3 in the bottom of the annular enlargement or bead a^2 is made of somewhat greater transverse dimensions than in Fig. 2 and the edge of the closure device b is folded into said groove so as to form a depending flange or rim b^3 which closely fits the neck of the bottle.

By means of my improvement I provide a bottle and closure device therefor which is comparatively inexpensive, and which may be quickly and easily applied and as easily removed whenever necessary.

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

1. A bottle of the class described the neck of which is provided at the top with an annular enlargement or bead in the bottom of which and adjacent to the neck is an annular groove, and a closure device consisting of a disk or sheet of fibrous material placed on the neck and folded around said enlargement or bead and into said groove.

2. A bottle of the class described the neck of which is provided at the top with an annular enlargement or bead the outer walls of which are convex in vertical section, said enlargement or bead being provided in the bottom thereof and adjacent to the neck with a deep annular groove, and a closure device consisting of a disk or sheet of flexible material placed on the neck and folded around said enlargement or bead and into said groove.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 23rd day of February 1909.

THOMAS L. CAMIER.

Witnesses:

HARRY R. CANFIELD,
C. E. MULREANY.