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W. G. STONEMAN

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BOTTLE AND SANITARY CLOSURE THEREFOR

Filed April 19, 1929

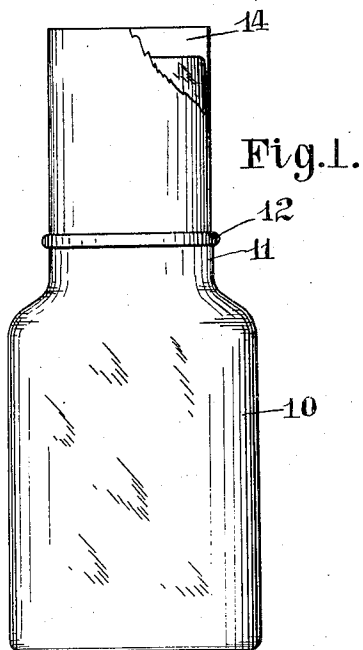


Fig. 1.

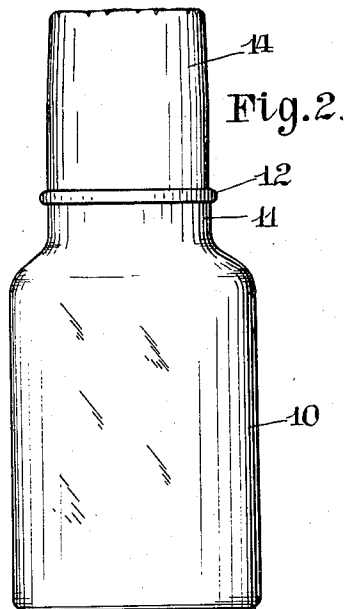


Fig. 2.

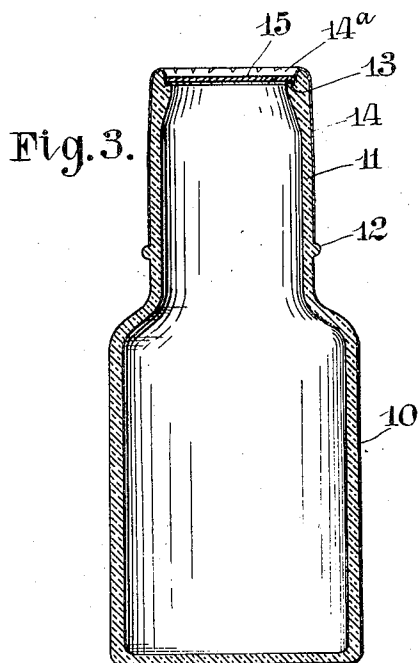


Fig. 3.

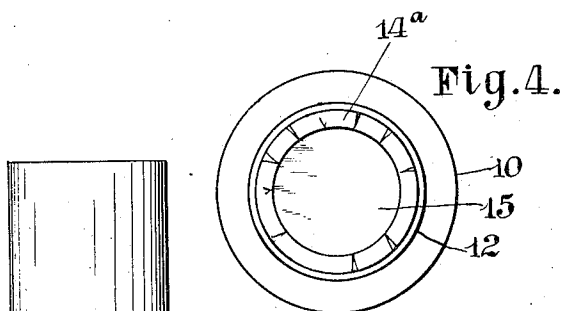


Fig. 4.

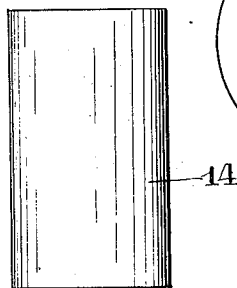


Fig. 5.

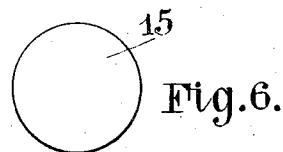


Fig. 6.

Inventor
WILLIAM G. STONEMAN

Lincoln Lincoln
his Attorney

UNITED STATES PATENT OFFICE

WILLIAM G. STONEMAN, OF COLUMBUS, OHIO

BOTTLE AND SANITARY CLOSURE THEREFOR

Application filed April 19, 1929. Serial No. 356,530.

This invention relates generally to containers and closures therefor and especially to milk bottles and sanitary closures therefor.

Milk is peculiarly subject to contamination by dirt, and germs carried by dirt. It is therefore of great importance in the interest of public health that every measure possible be taken to preclude access of germs or dirt to milk. Much dirt is likely to gain access to milk through the handling of the bottle by the milk man, and servants and waiters who are not careful to keep their hands clean, or who have no facilities for keeping them clean. One object of my invention is to provide a bottle of peculiar form at the neck so that it may be wrapped or covered with a paper jacket or sleeve, such jacket being held in place by the stopper or cap and said cap or stopper being removable by the act of removing the jacket. Other objects will appear from the disclosure herein.

The invention is embodied in the example herein shown and described the features of novelty being finally claimed.

In the accompanying drawing—

Figure 1 is a side view of the bottle with the paper jacket applied according to my invention, a portion of the jacket being broken out to depict the lip of the bottle.

Fig. 2 is a similar view showing the bottle as it appears when closed with the cap.

Fig. 3 is a central vertical sectional view of the bottle as shown in Fig. 2.

Fig. 4 is a top plan view of the bottle as shown in Fig. 2.

Fig. 5 is a side view of the paper jacket.

Fig. 6 is a plan view of the cap.

In the views 10 designates the body of the bottle it having an elongated neck 11 that at its exterior is provided with a bead or stop 12. The neck at its exterior is preferably cylindrical upward from the bead a little more than half way to the lip and beyond said cylindrical portion slightly tapered. Slightly below the lip of the bottle at the interior is the usual seat 13 for the paper cap.

14 designates the jacket that is preferably of paper of the variety known as "butter parchment"; but said jacket can be of any flexible material suitable for the purpose.

Primarily this jacket is in the form of a cylinder adapted to fit rather closely upon the cylindrical portion of the neck.

15 designates the bottle cap it being of the usual circular form and of thick paper adapted to seat in the seat 13 as hereinafter described.

In practice when the bottle is filled the neck is wet and when the jacket is slid down on the neck to abut at its lower end against the bead 12 thereby leaving, as shown, a small portion thereof projecting above the lip. When the jacket is first put on it becomes wet by the wetness of the neck but subsequently shrinks quite tight on the neck upon drying. Said projection of the jacket is tucked inward, as shown at 14^a all around, the cap 15 applied being shoved down to the seat 13 on the tucked portion where it seals the bottle from the access of dirt and germs. When the milk of the bottle is to be used the paper sleeve is, preferably as the more sanitary method, pulled upward off the neck thereby taking with it the cap; but the cap may be first removed with a pointed instrument or by means of a tab on it and the milk poured out either with or without the removal of the jacket thereon.

It will be observed that with this invention the fingers of persons need never touch any part of the bottle at points near the discharge, and that any dirt or germs collecting on the jacket and cap are removed when the cap and jacket are removed.

The forms of the parts can be changed without departing from the gist of the invention as claimed.

What I claim is:

1. In combination with a container having a recessed cap seat, a closure and neck protecting means for said container consisting of a flexible sleeve fitting on the neck of the container and projecting at its upper margin over said seat, and a distinct cap seated in said seat and engaging said upper margin, substantially as described.

2. In combination with a container having a recessed cap seat, a closure and neck protecting means for said container including a flexible sleeve having a portion thereof

tucked and projecting over the closure seat, and a distinct cap for the container engaging said seat and tucked portion.

3. In combination a container having a neck and a recessed lip forming a closure seat, a flexible sleeve for the neck of the container, said sleeve having a portion thereof tucked over the closure seat, and a distinct closure fitting on said seat and on said tucked-over portion of the sleeve and retaining said sleeve on said neck, said closure adapted to be removed from its seat by the removal of said sleeve.

WILLIAM G. STONEMAN.

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