

Dec. 22, 1925.

M. H. GUSTINE

NURSING BOTTLE

Filed Dec. 15, 1924

1,566,400

Fig. 1.

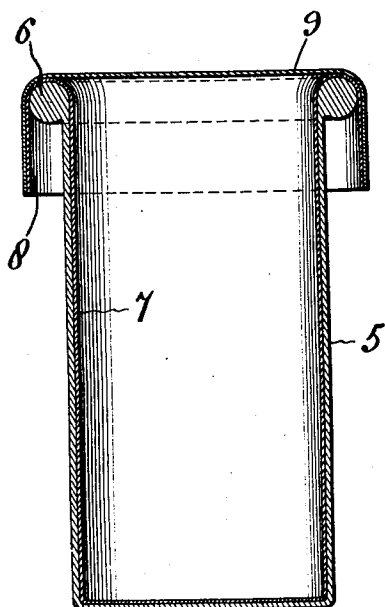
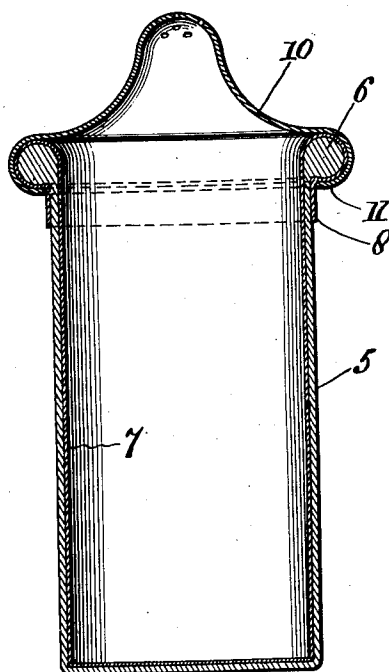


Fig. 2.



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UNITED STATES PATENT OFFICE.

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NURSING BOTTLE.

Application filed December 15, 1924. Serial No. 756,087.

To all whom it may concern:

Be it known that I, MARION H. GUSTINE, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Nursing Bottles, of which the following is a specification.

This invention relates to sanitary nursing bottles and has for one of its objects to provide a device of this character which will be simple in construction, entirely sanitary in use and comparatively inexpensive to manufacture and use.

Referring to the accompanying drawings, forming a part of this specification, in which like numerals designate like parts in both the views,

Figure 1 is a central vertical sectional view through a bottle constructed in accordance with the present invention, showing the use of a removable cap or cover thereon for preventing the spilling of the contents when the container is used as a storage receptacle, and

Figure 2 is a similar view showing a rubber cap, carrying a nipple, in place thereon when the bottle is ready for use.

In the drawings, 5 indicates a rigid container of suitable shape, preferably formed of metal or glass, the upper edge of which is provided with a relatively large annular bead of rounded cross section.

Within the outer rigid container 5 is placed a paper lining or cup 7, which may be paraffined or otherwise suitably liquid-proofed in any well known manner.

The upper edge of this cup 7 is formed with a reversely bent downwardly depending skirt 8, which is adapted to slip over the bead 6, as will be clear from Fig. 1.

This flange or skirt is preferably of such a length as to extend somewhat below the bead.

In use, the inner lining or container 7 is first placed within the outer container 5 and supplied with sterilized liquid food; after which a suitable metallic or other cover 9 may be placed over the open upper end, as indicated in Fig. 1, and the device may be used as a storage receptacle.

To use as a nursing bottle, the cover 9 is removed, and a rubber cap 10, provided with a nipple, substituted therefor, as shown in Fig. 2.

This rubber cap is provided with the contracted base 11 adapted to be sprung over and fit snugly around the outer and under-surface of the rounded bead 6 so as to press the paper skirt 8 inwards crumpling the same, and causing it to bind firmly around the bead and make a liquid-proof joint at the bead, and also serving to bind the cap, container, and paper lining securely together.

Should it be desired to administer warmed food, the entire container may be placed in hot water, or otherwise heated, prior to the removal of the cap 9 and the substitution of the rubber cap 10.

It will thus be seen that this invention provides a nursing bottle in which the liquid contents are wholly protected from contact with the bottle itself, thereby eliminating the necessity of sterilizing the bottle. When the operation of nursing is over, the rubber cap is removed and the inner paper cup is removed from the bottle and with such of the residue as is left therein should be destroyed, or thrown away.

The rubber cap should be cleansed and sterilized, and a fresh paper inner container inserted and fresh liquid food poured in before using the device again as a nursing bottle.

Having thus described my invention, what I claim as new is:

A nursing bottle comprising an outer rigid container, open at one end, said open end being provided with an outwardly extending rounded annular bead, an inner readily removable paper cup provided with a downwardly depending skirt adapted to slip over and extend below said bead, and a rubber cap provided with a nipple, and having a contracted base adapted to be sprung over and to grip said skirt and to crumple the paper thereof, forcing it to engage beneath and snugly within the angle between the bead and container wall and to form a liquid proof joint at said bead, and firmly securing the rigid container, the rubber cap, and the paper lining together, said paper lining also completely protecting said outer container from contact with the contents of the bottle, substantially as and for the purpose described.

MARION H. GUSTINE.