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NURSING NIPPLE AND BOTTLE

Filed Aug. 22, 1945

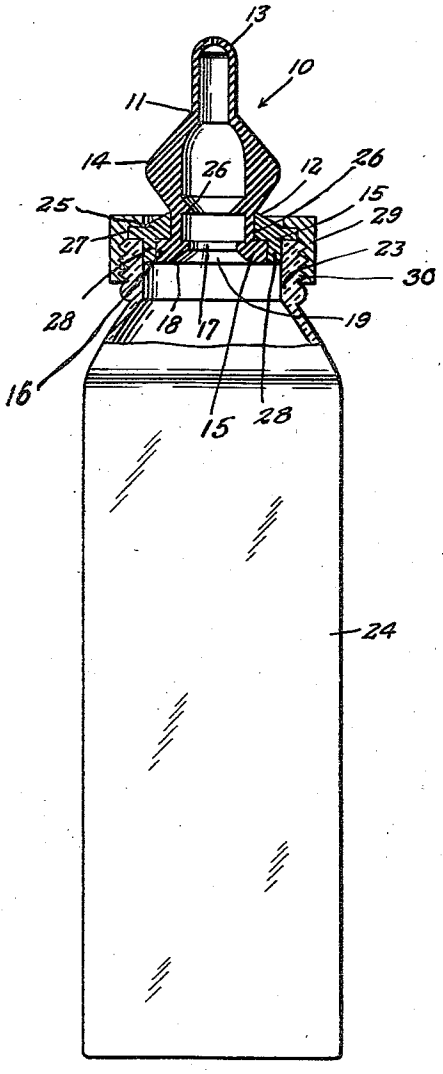


Fig. 1.

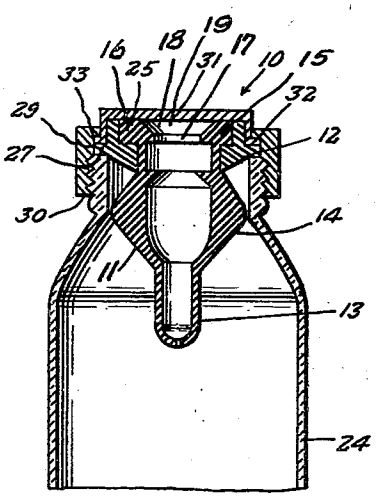


Fig. 2.

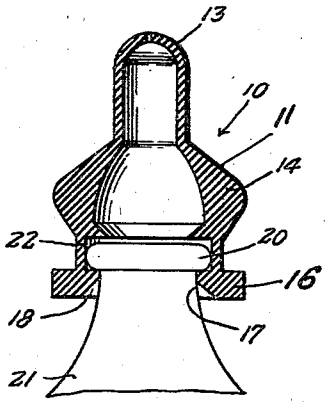


Fig. 3.

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NURSING NIPPLE AND BOTTLE

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2 Claims. (Cl. 128—252)

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My invention relates to a nursing bottle and nipple assembly and has for an object to provide a nipple adapted to be used with bottles having necks of varying forms.

Another object of this invention is to provide a nursing nipple assembly comprising a nipple having a retaining means and an independent retainer and enclosure cap.

A further object of the invention is to provide a nipple having a reduced inlet neck and outlet ports and an intermediate breast portion.

A still further object of my invention is to provide the combination of a nipple and retainer therefor arranged to secure the nipple to the bottle in upright or in inverted position.

Other features and advantages will become more readily apparent from the following description and the accompanying illustrative drawings in which:

Figure 1 is a sectional view of my invention shown in position for use,

Figure 2 is a similar view shown in position for sealing the nipple within a bottle, and

Figure 3 is a view similar to Figure 1, illustrating the application of the nipple to a bottle of a different form.

In the accompanying drawings as above enumerated and in the following specification, like characters of reference indicate like parts throughout and in which 10, indicates my invention, which comprises a nipple 11, having a reduced neck 12, a reduced outlet 13, and intermediate breast portion 14. Below the neck 12, is an enlargement 15, providing an outwardly projecting flange 16, and an inwardly projecting flange 17, the lower wall of the latter flange is inclined as at 18, to provide an enlarged mouth 19, into the nipple. The flange 17, is adapted to slip over the bead 20, of a small necked bottle 21, said inclined wall 18, also forming a guide for the bead 20, in order to direct the same into the recess 22, in the reduced portion of the nipple neck.

When the nipple is to be used on a small necked bottle as 21, no other means is required to retain the same thereon. However, when the same nipple is to be used on an enlarged neck 23, of a bottle 24, I provide a ring 25, having an inwardly projecting flange 26, and outwardly projecting flange 27, and a downwardly projecting flange 28, all of said flanges being annular with the ring. I also provide an internally screw-threaded cap ring 29. In using the nipple upon this form of bottle, the said ring 25, is seated around the said neck 12, and the flange 28, of the ring is projected into the mouth of the bottle, its

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flange 27, seating upon the upper surface of the bottle neck and its flange 26, surrounding and bearing against the reduced wall 12, whereby said wall is stiffened. After these members have been seated in the bottle neck the cap ring 29, is placed over the nipple and screwed down upon the threads 30, of the said bottle neck, whereby the nipple is firmly secured to the bottle.

When the device is to be stored away the nipple 14, together with the ring 25, are inverted and projected down into the mouth of the bottle, then a closure cap 31, provided with an annular flange 32, adapted to seat upon the flange 27, of the ring 25, and the flange 33, of the cap ring 29, is adapted to bear down upon the flange 32, and thereby seal the nipple within the bottle in order to keep it out of contact with any infectious matter or insects.

From the above description it will be seen that I have provided a nursing nipple which may readily be used on bottles of various forms, which may be sealed against contamination and which provides the breast portion 14, against which the lips of an infant may rest and thereby obviate the sucking in of air when nursing.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawings. Therefore, a more lengthy description is regarded as unnecessary.

Changes in shape, size and rearrangement of details and parts such as come within the purview of the invention claimed may be resorted to, in actual practice, if desired.

Having now described my invention, that which I claim as new and desire to procure by Letters Patent is:

1. An elastic nipple comprising an annular base portion being centrally apertured and countersunk on its lower surface, a collar portion extending upwardly from said base portion in spaced relation from the inner and outer edges thereof, a thickened breast portion formed on the upper end of said collar portion having converging surfaces extending at approximately right angles to each other and being formed with a restricted aperture at its lower end forming a sealing flange having a beveled upper surface, and an apertured nipple portion formed on the end of said breast portion.

2. An elastic nipple comprising an annular base portion being centrally apertured and countersunk on its lower surface, a collar portion extending upwardly from said base portion in spaced

relation from the inner and outer edges thereof, a thickened breast portion formed on the upper end of said collar portion having converging surfaces extending at approximately right angles to each other and being formed with a restricted aperture at its lower end forming a sealing flange having a beveled upper surface, an apertured nipple portion formed on the end of said breast portion, and means for selectively holding said nipple either over or in the end of a nursing bottle.

WILLIAM M. PATTERSON.

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