Feb. 12, 1929.

1,702,233

L. B. FRYE

NURSING BOTTLE

Filed Sept. 19, 1927

Fig. 1.

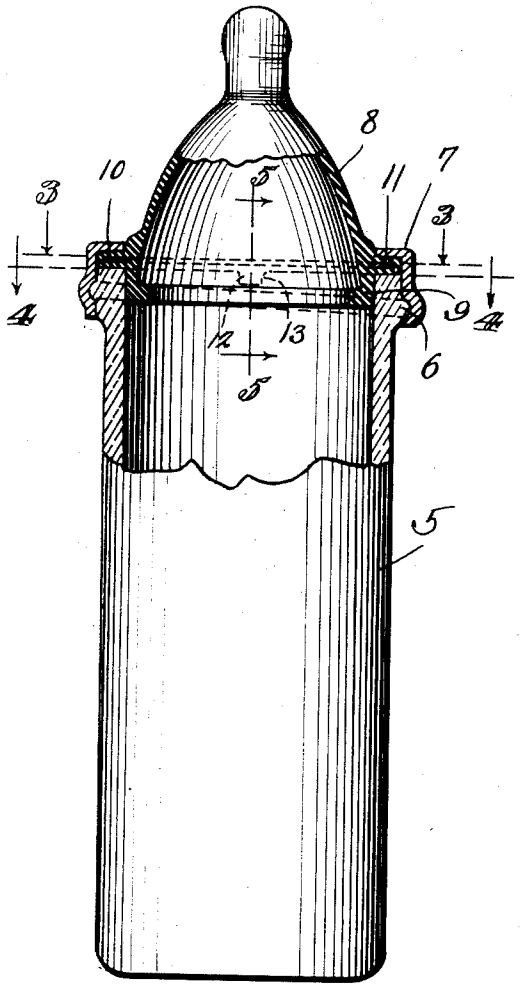


Fig. 2.

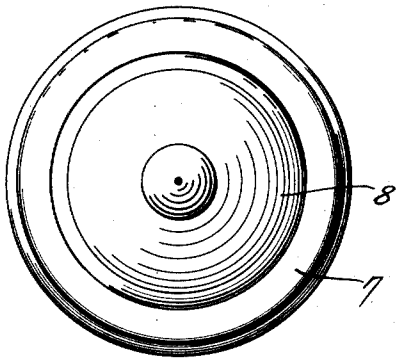


Fig. 3.

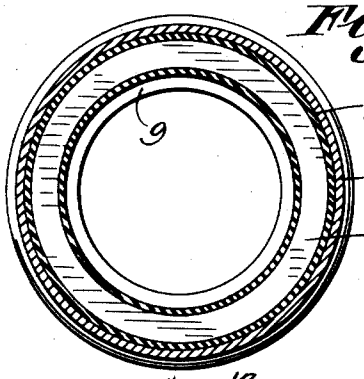
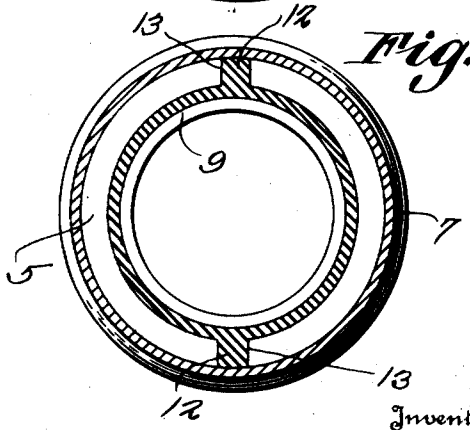


Fig. 4.



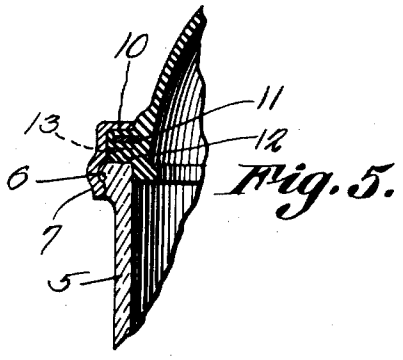


Fig. 5.

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UNITED STATES PATENT OFFICE.

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NURSING BOTTLE.

Application filed September 19, 1927. Serial No. 220,506.

This invention has reference to nursing bottles and more particularly to the construction of the nipple and securing means for securing the nipple to the bottle.

The primary object of the invention is to provide a non-collapsible nipple which may be secured to the bottle in such a way that displacement of the nipple will be prevented unless the securing means is removed.

A still further object is the provision of means for anchoring the nipple in position on the bottle so that the nipple cannot be pulled from its position under the securing means by the infant using the bottle.

Another object of the invention is to provide means for preventing rotation of the nipple when the securing means is being applied.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is an elevational view of a nursing bottle equipped with a nipple constructed in accordance with the invention, the bottle and nipple being partly broken away to illustrate the detail construction thereof.

Figure 2 is a plan view of the nipple.

Figure 3 is a sectional view taken on line 3—3 of Figure 1.

Figure 4 is a transverse sectional view taken on line 4—4 of Figure 1.

Figure 5 is an enlarged sectional view taken on line 5—5 of Figure 1.

Referring to the drawing in detail, the reference character 5 indicates a nursing bottle having a straight side wall provided on its outer upper extremity with a thread 6 to receive the securing ring 7 so that the ring may be rotated to clamp the nipple in position.

The nipple is indicated generally by the reference character 8 and is provided with a lower extension 9 adapted to extend into the bottle to brace the nipple at the bottom thereof and at the same time provide means for guiding the nipple to its proper position within the bottle.

The reference character 10 indicates a peripheral flange which is disposed in spaced relation with the lower edge of the nipple as shown by Figure 1, the flange being formed of rubber, but reinforced by means of the metallic ring 11 which is embedded in the flange during the molding of the nipple proper.

This ring member 11 is formed of rigid metal, to the end that it cannot be collapsed under ordinary conditions and will when positioned properly, maintain the nipple, which is constructed of rubber material, in its extended position at its point of contact with the bottle at all times.

Lugs indicated at 12 extend from the underside of the flange 10 and are received in the recesses 13 formed in the upper edge of the bottle.

These lugs are positioned in the recesses and hold the nipple against rotary movement when the securing ring is being positioned.

From the foregoing it will be seen that due to this construction, a nipple may be readily and easily removed or replaced without danger of spilling the contents of the bottle and providing a securing means which will not only be quick-acting, but one which will absolutely hold the nipple against collapsing while in use.

I claim:

1. A nursing bottle including a bottle portion and a nipple portion, said nipple portion having an outwardly extended flange, a metallic ring embedded within the flange for adding rigidity to the flange, a securing ring cooperating with the flange to force the flange into close engagement with the bottle, said bottle having recesses in the end thereof, said flange having lugs positioned in the recesses to lock the nipple against rotary movement, said nipple having an extension extended into the bottle.

2. A nursing bottle comprising a bottle section and a nipple section, a peripheral flange formed integral with the nipple section a flat metallic ring embedded in the flange,

said flange being spaced from the lower edge of the nipple section to define an extension to be fitted in the mouth of the bottle, the flange being of a width to overlie the upper edge of the bottle, the outer edge of the flange terminating at a point flush with the outer edge of the bottle, and a securing ring contacting with the peripheral flange to hold the flange into close engagement with the upper edge of the bottle mouth.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

LAWRENCE B. FRYE.