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I. BARKAN

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NIPPLE

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Fig. 1.

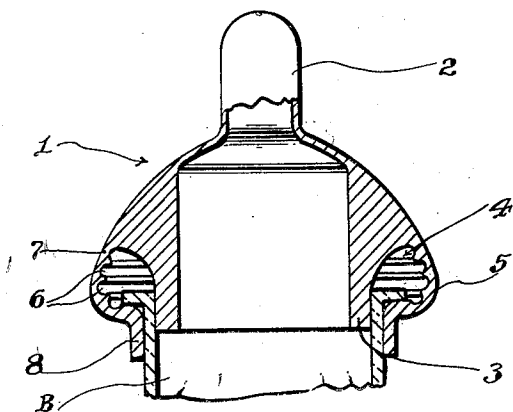
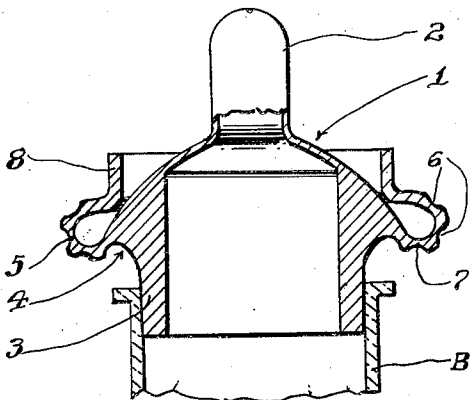


Fig. 2.



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This invention relates to nipples used on nursing bottles and more particularly to a nipple having a stopper portion which fits in the interior of the bottle and a skirt portion which fits around the exterior of the bottle neck.

In nipples of this character, as at present made, when being removed or applied, the skirt portion is first bent upwardly and then down again to hug the bottle neck. After being used for a considerable time it has been found that a tear develops along a circular line where the sharp bending takes place. To overcome this difficulty I propose to form the nipple so that instead of bending sharply at one place the bending will be through a substantial wide arc so that no particular point will have to take up all the wearing stress.

It is therefore the object of the invention to provide a nipple which will not break or tear under constant bending of the wall when taken on and off the bottle.

Another object of the invention is to provide a series of thinned circular sections in the wall so that the bending of the wall will not be limited to one particular point but to a large area and thus allow the wall to describe a comparatively wide circle when the nipple is taken off or being put on the bottle.

My invention consists in certain other novel features and combinations such as will be more fully described hereinafter and particularly pointed out in the claim.

In the accompanying drawing

Figure 1 is a cross section of a nipple shown attached to the nursing bottle.

Figure 2 is a similar view with the skirt portion of the nipple turned up.

Referring now to the drawing in detail, numeral 1 designates the nipple comprising a relatively thin upper portion 2 and a thick stopper portion 3 which fits in the neck of the bottle B. Formed in the stopper portion is a circular channel 4. The outside wall 5 of this channel is provided with a series of parallel grooves 6 forming comparatively thin wall sections 7 between the bottom of each groove and the outside surface of the nipple. The purpose of this ar-

rangement is to allow the outside wall 5 of the channel to bend through a relative wide curve as shown in Figure 2 when the skirt portion 8 of the nipple is turned up and thus relieve any particular point from taking up all the bending movements.

It will thus be seen that I have provided a simple and novel method of prolonging the life of a nipple without adding to the cost of the article. The only additional cost to make this type nipple is to prepare the mold for this purpose. After the mold is made the nipple can be made without greater cost than the nipples now on the market.

There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

It is obvious that many minor changes may be made in the form and construction of the invention without departing from the material principles involved. I do not therefore desire to confine the invention to the exact form herein shown and described but I desire to include all forms which properly come within the scope claimed.

Having thus described the invention, what is claimed as new, is—

In a nipple of the class described, the combination of a body member having a relatively thin upper portion and a thick lower portion divided into an inner stopper portion and a relatively thin outer wall member, a circular chamber between said stopper member and said thin outer wall member, the inside face of said thin outer wall member forming the chamber provided with a plurality of parallel corrugations horizontally disposed dividing said wall member into thin and thick wall sections, each of said corrugated wall sections adapted to take up a portion of the bending strain when the nipple is put on and taken off a bottle, the lower end of said thin outer wall member being sharply restricted forming a shoulder portion which is adapted to abut against the underside of a bottle flange.

In testimony whereof I affix my signature.

IRVING BARKAN.