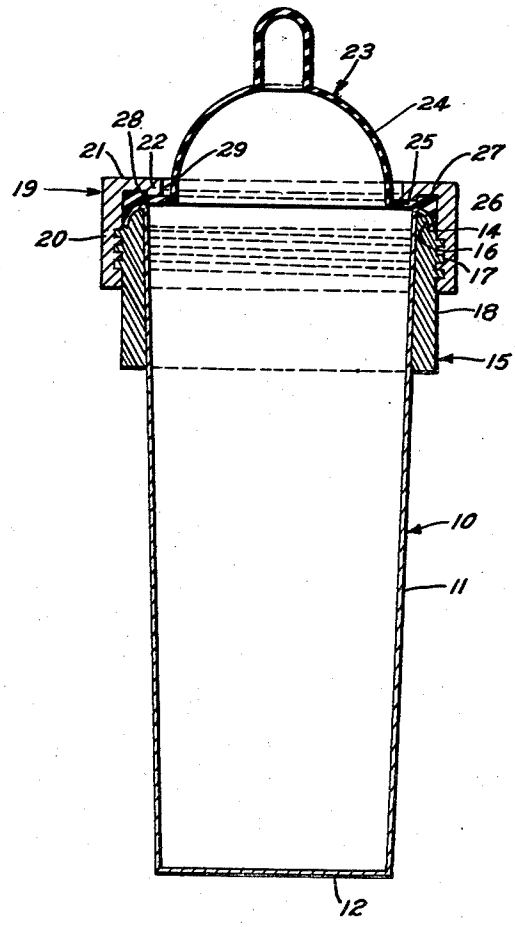
June 10, 1952 E. HAIR 2,599,630

DISPOSABLE FEEDING BOTTLE FOR BABIES

Filed Aug. 29, 1949



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Patented June 10, 1952

2,599,630

UNITED STATES PATENT OFFICE

2,599,630

DISPOSABLE FEEDING BOTTLE FOR BABIES

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Application August 29, 1949, Serial No. 112,968

1 Claim. (Cl. 215—11)

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This invention relates to a nursing unit, and more particularly to a disposable feeding bottle for babies.

The object of the invention is to provide a disposable feeding bottle for babies which includes a replaceable throw-away container and a rigid rim and cap, the container adapted to be thrown away after each feeding and replaced by a new, sanitary, replaceable container.

A further object of the invention is to provide a disposable feeding bottle for babies which includes a throw-away container of a shape so that it can be stacked one within another, the assembled feeding bottles being arranged so that the parts will not accidentally separate and wherein a fluid-tight joint is provided.

A still further object of the invention is to provide a disposable feeding bottle for babies which is extremely simple and inexpensive to manufacture.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings forming a part of this application, and in which like numerals are used to designate like parts throughout the same:

Figure 1, which is the single figure, is a side elevational view of the feeding bottle of the present invention, with parts broken away and in section.

Referring in detail to the drawing, the numeral 10 designates the container which may be fabricated of any suitable material, such as waterproof paper or cardboard, the container 10 being conical in shape and proportioned so that it is of the wide-mouth type which is slightly larger at the top than it is at the bottom. Thus, the containers 10 can be nested one within the other when the containers 10 are packed for shipment or storage. The container 10 includes the annular side wall 11 and a bottom wall 12. The container 10 further is provided with an annular downturned flange 14 for a purpose to be later described.

The disposable feeding bottle of the present invention further includes an annular rim 15 which may be made of a suitable rigid plastic material, and the upper edge of the rim 15 is rounded, as shown at 16, so that the flange 14 of the container 10 can be pushed snugly down over the rim 15. The rim 15 is arranged in surrounding relation with respect to the upper surface of the container 10. The rim 15 is further provided with a plurality of exterior threads 17, and the bottom of the rim 15 is smooth, as at

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18, so as to facilitate the gripping or holding of the device when the unit is being sealed.

The assembly further includes a cap, which is indicated by the numeral 19, and the cap 19 may be fabricated of the same material as the rim 15, the cap 19 being rigidly constructed of a suitable material, such as plastic. The cap 19 includes an annular collar or sleeve 20 which is threaded interiorly for a portion of its length, and the sleeve 20 is adapted to be arranged in threaded engagement with the screw-threads 17 on the rim 15. Formed integrally with the top of the sleeve 20 or secured thereto is an annular ledge 21 which is provided with a downturned annular lip 22 for a purpose to be later described.

There is further provided a nipple 23 which may be fabricated of any suitable flexible material, such as rubber. The nipple 23 includes a body portion 24 that terminates in a base 25, the base 25 including an arcuate or rounded portion 26 which is adapted to snugly engage the flange 14 on the container 10. The base 25 has its outer periphery thickened, as at 27, and thickened portion 27 coacts with the remaining portion of the base to provide an annular groove or recess 28 which receives therein the downwardly extending lip 22 of the ledge 21. Thus, there will be no possibility of the nipple 23 being accidentally pulled out or disengaged from the rest of the unit. The cap 19 is provided with a central opening or hole 29 through which the body portion 24 of the nipple 23 projects.

In use, the rim 15 is arranged in surrounding relation with respect to the upper end of the container 10, the upper rounded surface 16 of the rim 15 engaging the rounded flange 14. Then, the nipple 23 is arranged so that the concave or rounded surface 26 on its base engages the flange 14, and next the cap 19 is screwed onto the screw-threads 17 of the rim 15. It will be seen that the downwardly extending lip 22 of the cap 19 will seat in the groove 28 so that the nipple 23 cannot be accidentally pulled loose from the rest of the unit. Also, this will result in a fluid tight seal being provided.

The container 10 can be manufactured in any suitable manner, so that the resulting container will have a small cost, and the nipple may be made of rubber. When the cap 19 is screwed in place, it will bring sufficient pressure on the base of the nipple and on the flange 14 of the container 10 to hold the nipple in place and make a water-tight joint.

The container 10 has a closed bottom and the entire unit consists of four parts. The bottom

outside portion of the rim 15 is smooth, as at 18, this affording space whereby the rim may be held with the hands while the bottle is being assembled and food placed therein. The feeding bottle of the present invention will provide a simple, practicable, disposable feeding unit that is easy to assemble for use and easy to disassemble after use. The warming of food may be accomplished by placing the feeding bottle in warm water, or other warming methods may be devised. In placing this item on the market, the disposable container is to be sterilized and packaged in sealed cartons. The unit will require no complex manufacturing procedures, and it will supply users with a useful, practical and economical commodity.

I claim:

A disposable feeding bottle for babies comprising a wide-mouthed, conical container provided with an annular downturned flange on its upper end, said container being of slightly greater diameter at its top than at its bottom, said container including a side wall and a bottom wall, an annular rim arranged in surrounding relation with respect to the upper exterior surface of said container and provided with an upper relative edge for engaging the lower surface of said flange, said rim being provided with a plurality of spaced screw-threads on its exterior surface, said rim having an interior conical cutout for receiving said side wall, a cap including an interiorly threaded sleeve arranged in engagement with said screw-threads, there being a central opening in the top of said cap, a ledge projecting inwardly from said sleeve and extending over said flange, and a flexible nipple having a base interposed between said flange and ledge, the lower portion of said rim being smooth, said nipple having a body portion projecting through the opening in said cap, said rim and cap being fabricated of a rigid material, the lower edge of said base being concave and fitting over said flange, an annular lip extending downwardly from said ledge, said lip being arranged in spaced parallel relation with respect to said sleeve and being of less length than the latter, said base having its outer portion thickened and shaped to define an annular groove in the upper surface of the nipple base for receiving said lip.

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