(No Model.)

J. C. ROACH.

NURSING BOTTLE.

No. 595,414. Patented Dec. 14, 1897.

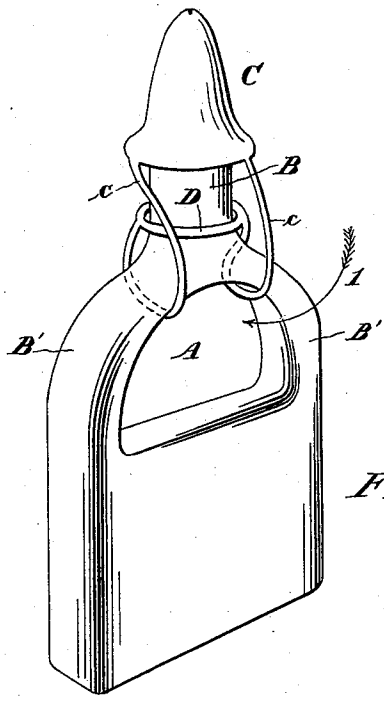


Fig. 1.

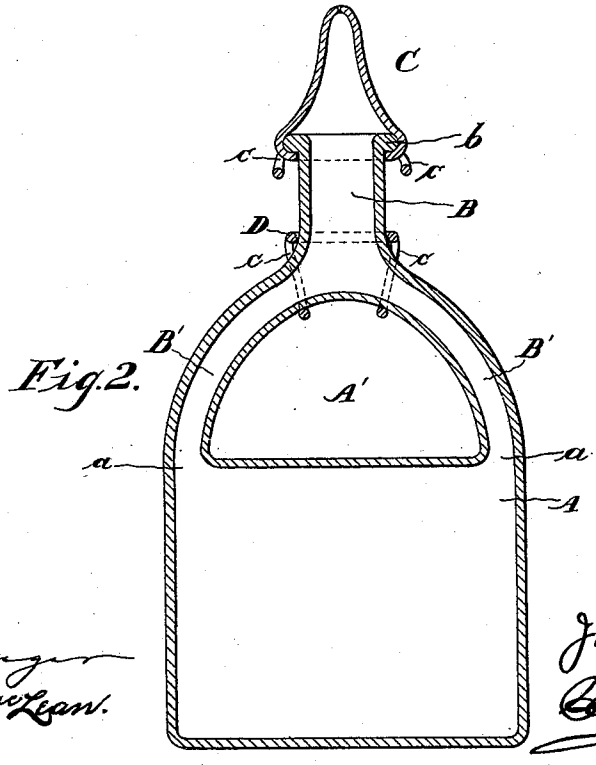


Fig. 2.

WITNESSES:

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NURSING-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 595,414, dated December 14, 1897.

Application filed February 18, 1897. Serial No. 623,922. (No model.)

To all whom it may concern:

Be it known that I, JAMES C. ROACH, a citizen of the United States, and a resident of Bath Beach, county of Kings, and State of New York, have invented certain new and useful Improvements in Nursing-Bottles, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to improvements in nursing-bottles, the object thereof being to supply an article of this character which is so constructed as to prevent injury to a child while using it. Children sometimes swallow the detachable rubber nipples common to nursing-bottles. They also frequently take into the stomach large quantities of air from the body of the bottle.

My invention comprises means for preventing the accidental removal of the rubber nipple from the neck of the bottle and also prevents the discharge of injurious quantities of air from the bottle-body.

The invention will be hereinafter fully described, and specifically set forth in the annexed claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of my improved bottle, and Fig. 2 is a vertical sectional elevation thereof.

In the practice of my invention I employ a rectangular or other suitable shaped bottle-body A, this said body having two openings *a* leading therefrom, which are respectively connected to diverging channels B′ of the bottle-neck B. This said neck is supplied at its upper end with a flange *b*, which engages with a rubber nipple C. This said nipple has formed integrally therewith two cords *c*, and they are connected to a ring D. All of these said parts are permanently attached to each other, so that when the ring D is forced over the neck of the bottle the nipple forms practically a part of the bottle, and although it can be detached from the flange *b* by force it cannot be entirely detached from the bottle. Thus it will be an impossibility for a child to swallow a nipple connected in this manner, while at the same time for purposes of cleaning the nipple can be practically disconnected from the bottle by passing it through the aperture A′ in the direction of the arrow 1.

In the operation and use of this device the channels B′, owing to their contracted proportions, are always filled with milk while the bottle is placed in the horizontal position commonly used for feeding a reclining child. Therefore the child cannot draw injurious quantities of air from the body of the bottle.

The peculiar shape of my bottle also makes it a very easy bottle for the child to handle, as the tubular channels B are of such a size that they can be readily grasped by the hand of a small child.

I do not confine myself to the specific details of design or construction as herein shown and described, as it is obvious that under the scope of my invention I am entitled to slight variations.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a nursing-bottle having a passage or opening therethrough; in combination with a ring adapted to engage the neck of the bottle, said ring having flexible cords extended therefrom connected to a nipple adapted to pass through said opening and engage the mouth of the bottle, said ring, cords and nipple being integral, thereby forming a loop attachment of the nipple to the bottle, substantially as shown and described.

2. In a nursing-bottle of the character described and embodying an aperture through the upper portion thereof; a nipple adapted to engage the mouth of the bottle and provided with flexible cords extended from opposite sides thereof and attached to an elastic ring adapted to engage the neck of the bottle, said cords passing through the aperture, and the nipple, ring and cords being integral, whereby the said nipple is secured in engagement with the body of the bottle and the neck thereof, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 11th day of February, 1897.

JAMES C. ROACH.

Witnesses:
C. SEDGWICK,
M. G. MACLEAN.