Jan. 17, 1928.

1,656,157

J. L. CORRENTI

NIPPLE FOR NURSING BOTTLES

Filed March 27, 1926

Fig. 2.

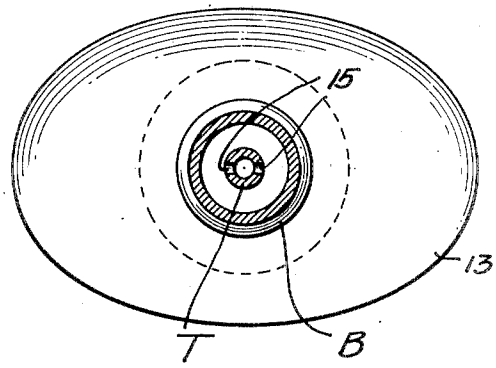
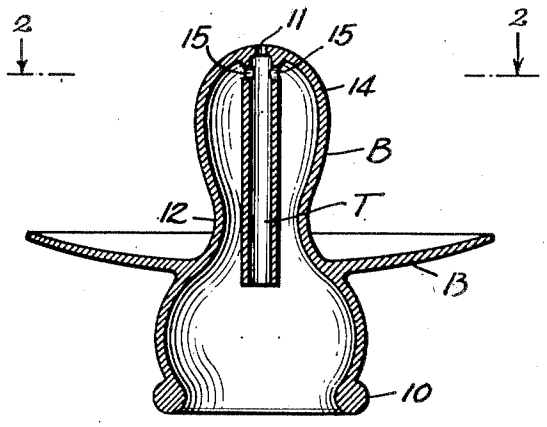


Fig. 1.



Inventor

JOSEPHINE L. CORRENTI

By Munn & Co.

Attorney

Patented Jan. 17, 1928. 1,656,157

UNITED STATES PATENT OFFICE.

JOSEPHINE L. CORRENTI, OF LOS ANGELES, CALIFORNIA.

NIPPLE FOR NURSING BOTTLES.

Application filed March 27, 1926. Serial No. 98,013.

My invention relates to and has for its purpose the provision of a nipple for nursing bottles of simple and inexpensive construction and in which is incorporated means by which only a portion of the nipple can be taken into the mouth by the infant to thereby prevent the larger or base portion of the nipple from entering the mouth and allowing air to be admitted at the corners of the latter along with the liquid nourishment, the said means functioning as an air seal around the edges of the mouth during the operation of sucking upon the nipple so that the sucking in of air with the liquid nourishment and the consequent formation of gas in the stomach of the infant will be prevented. A second and equally important advantage in limiting the inward movement of the nipple into the infant's mouth is that it prevents distortion of the mouth and, hence, will not permanently change the normal contour of the mouth, as other nipples do.

A further purpose of my invention is the provision of a nipple of the above described character, preferably formed of resilient material such as, for instance, rubber, and which is so constructed that the infant can chew upon the nipple without injury to the gums, and yet its complete and permanent collapsing will be prevented, to the end that the discharge port of the nipple will remain open at all times, and the sucking of the liquid through the nipple accomplished with ease and dispatch.

I will describe only one form of nipple embodying my invention and will then point out the novel features thereof in claims.

In the accompanying drawings,

Figure 1 is a view in vertical central section of the nipple; and

Figure 2 is a horizontal sectional view taken on the line 2—2 of Figure 1.

Referring specifically to the drawing, in which similar reference characters designate similar parts in each of the two views, my invention, in its present embodiment, is preferably incorporated in a nipple of conventional form molded of resilient material, such as rubber, the nipple comprising the usual elongated hollow body B having an enlarged open end formed with a reinforcing bead 10 adapted to be stretched over the neck of a conventional nursing bottle (not shown) to thereby detachably secure the nipple to the bottle, as will be understood. The opposite end of the nipple is formed with the usual discharge port 11 and adjacent its necked portion 12 I provide a laterally extending flange 13 which is relatively thin and flexible and formed integral with the body B. The flange 13 is curved in its cross section, as clearly shown in Figure 1, and of ovate contour, so as to entirely surround the mouth of the infant when the head portion 14 of the nipple is taken into the mouth. The flange provides an abutment or stop which engages the mouth during the operation of sucking upon the nipple and limits the inward movement of the nipple to the end that only a sufficient amount of the nipple can be taken into the mouth to enable the infant to suck in the liquid nourishment. Due to its flexibility, the flange also provides an air seal around the edges of the mouth while the infant is sucking upon the nipple, as the flange is drawn snugly against the mouth during the sucking operation and the entrance of air with the liquid with the consequent formation of gas in the stomach of the infant, prevented.

To provide means for preventing complete or permanent collapsing of the head and neck portions of the nipple, the body B is provided interiorly with a tubular member T of resilient material formed integral with the body and connected thereto at one end in surrounding relation to the discharge port 11. The tubular member is axially disposed and extends longitudinally of the body to a point substantially at the flange 13. The free end of the member is open while adjacent its connected end ports 15 extend radially through its wall so that liquid entering the nipple is free to pass either around the member and through the ports or through the member and thence out of the discharge port 11. By the provision of the member T, the side walls of the head and neck portions of the body are prevented from complete collapsing during the operation of sucking upon the nipple, so that the discharge port 11 will remain open at all times and the delivery of the liquid nourishment to the mouth of the infant greatly facilitated.

Although I have herein shown and described only one form of nipple for nursing bottles, it is to be understood that various changes and modifications may be made

therein without departing from the spirit of the invention and the spirit and scope of the appended claims.

I claim as my invention:

1. A nipple for nursing bottles comprising a hollow body formed of resilient material, and a laterally extending flange intermediate the ends of the body adapted to be engaged by the mouth, said flange being of ovate contour and concavo-convex cross section and formed of resilient material so as to be drawn into air-sealing engagement with the edges of the mouth during the operation of sucking upon the nipple for the purpose described.

2. As a new article of manufacture, a nipple molded of resilient rubber and comprising a hollow body having a necked portion and an open end adapted to be expanded upon the neck of a bottle to thereby secure the nipple to the bottle, said body having a discharge port at its other end, a relatively thin flange exteriorly of and projecting laterally from the body adjacent its necked portion, said flange being of ovate contour and concavo-convex cross section, and an axially disposed tubular member interiorly of the body connected at one end to the latter in surrounding relation to said discharge port and having ports adjacent its connected end effecting communication between the interior of the body and said discharge port.

3. A nipple for nursing bottles comprising a hollow body of resilient material having a discharge port at one end thereof, and means on the body interiorly thereof for preventing complete collapsing of the body, said means comprising a tubular member connected at one end to the body in surrounding relation to its discharge port and extending longitudinally of the body, said member having its free end open and provided with ports adjacent its connected end.

4. A nipple for nursing bottles comprising a hollow body adapted to be secured to a bottle and having a discharge port at one end, and resilient means exteriorly of and intermediate the ends of the body adapted to surround the edges of the mouth when the nipple is inserted into the mouth, whereby during the operation of sucking upon the nipple an air seal will be provided around the edges of the mouth for the purpose set forth.

5. A nipple for nursing bottles as embodied in claim 4 wherein said means comprises a continuous flange of ovate, dished form.

6. A nipple for nursing bottles comprising a hollow body having a discharge port, and means exteriorly of and intermediate the ends of the body adapted to surround the edges of the mouth when the nipple is inserted into the mouth whereby during the operation of sucking on the nipple an air seal will be provided around the edges of the mouth for the purpose described.

7. A nipple for nursing bottles as embodied in claim 6, wherein said means comprises a flange of dished form.

JOSEPHINE L. CORRENTI.