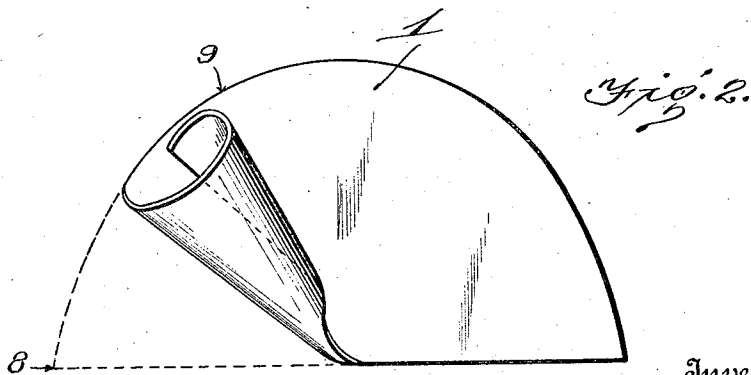
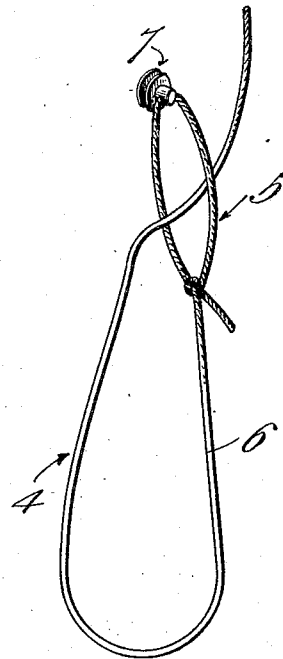
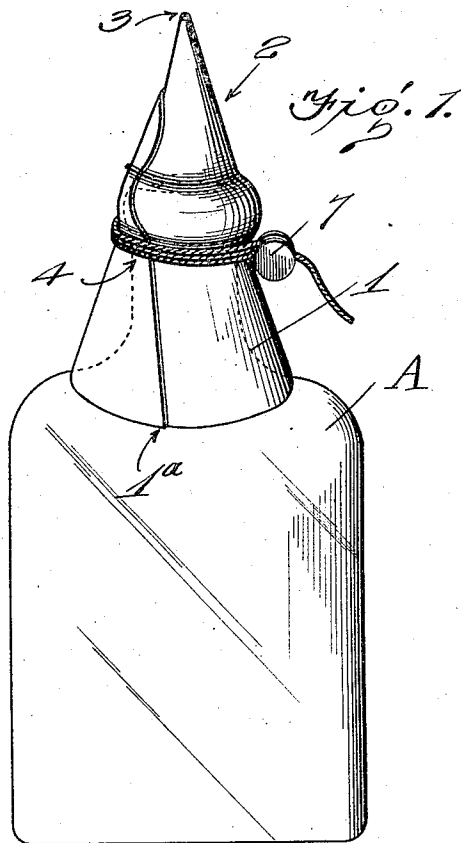


A. C. THORBJORNSON.
NIPPLE FOR NURSING BOTTLES.
APPLICATION FILED APR. 4, 1921.

1,414,904.

Patented May 2, 1922.



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NIPPLE FOR NURSING BOTTLES.

1,414,904.

Specification of Letters Patent.

Patented May 2, 1922.

Application filed April 4, 1921. Serial No. 453,404.

To all whom it may concern:

Be it known that I, ANNA C. THORBJORN-
son, citizen of the United States, residing at
Nadeau, in the county of Menominee and
5 State of Michigan, have invented certain
new and useful Improvements in Nipples for
Nursing Bottles; and I do declare the fol-
lowing to be a full, clear, and exact descrip-
tion of the invention, such as will enable
10 others skilled in the art to which it apper-
tains to make and use the same.

This invention relates to an improved
nipple for nursing bottles, the principal ob-
ject thereof being to provide a nipple which
15 is of such construction that it can be removed
from the bottle, have its ends separated and
its inner face thoroughly cleansed so as to
remove all deposits therefrom.

A further object of the invention is to
20 provide a nipple which is such in construc-
tion that it can be adjusted to fit bottle necks
of various sizes, and may also be adjusted
to vary the length of the mouthpiece to pre-
vent possible choking of babies who push
25 the nipple into their mouth too far.

A further object of the invention is to
provide a nipple which is such in construc-
tion that it prevents the creation of a vacu-
um, which is objectionable and tends to
30 hinder free flow of the milk from the bottle,
and is sometimes detrimental to the health
of the baby.

Another object of the invention is to pro-
vide an inexpensive washable nipple in the
35 form of a flat sheet of elastic material which
is rolled upon itself to provide a cone which
is placed over the neck of the bottle, a suit-
able binding element being placed around
the intermediate portion of the nipple un-
40 derneath the bead on the neck of the bottle
and thus insuring against possible acci-
dental displacement of the nipple from the
neck.

Still another object of the invention is to
45 provide a nipple for nursing bottles which
is such in construction that it is possible
to vary the size of the outlet hole to regu-
late the amount of milk permitted to escape.
Hence, one nipple may be used for a consid-
50 erable length of time and the size of the
outlet opening varied as the child grows
older.

Other objects and advantages of the in-
vention will be apparent during the course
55 of the following description:

In the accompanying drawings forming a

part of the specification and in which like
numerals are employed to designate like
parts throughout the same:

Figure 1 is a perspective view of nipple 60
constructed in accordance with the invention,
showing the same in position for use on a
nursing bottle.

Figure 2 is a plan view of the sheet of ma-
terial from which the nipple is formed. 65

Figure 3 is a detailed perspective view of
the preferred type of binding element used
for retaining the nipple on the neck of the
bottle.

Referring to the drawings by numerals, 1 70
designates a substantially semi-circular sheet
of rubber which is intended to be rolled
upon itself and have its ends arranged in
overlapping relation as indicated at 1^a to
provide a conical nipple 2. It is understood 75
that when rolling the sheet to form the afore-
said cone or nipple, it is so rolled as to
provide a small discharge opening 3 at the
top. At this point, it may be mentioned
that with my construction the size of the 80
opening may be varied to regulate the flow
of milk, thereby overcoming the possibility
of feeding the baby too much milk which
may result in an attack of indigestion. Af-
ter the conical nipple is thus formed, it is 85
fitted down over the neck of the nursing
bottle A so that the lower edge rests on
the body or upper shoulders of the latter.
Then the binding elements 4 are placed
around the intermediate portion of the nip- 90
ple just below the bead on the neck of the
bottle, thus retaining the nipple tightly in
place and preventing possible displacement
thereof. While the binding element 4 may
be of any other construction, we prefer to 95
employ a piece of washable cord for the
purpose and form loop 5 at one end of the
cord, the opposite end thereof being passed
through this loop 5 to form a relatively
larger loop 6 which is intended to be placed 100
around the nipple at the point shown. The
smaller loop 5 carries a slidable retainer 7
which is designed to frictionally engage the
free end of the cord to prevent slippage
thereof. 105

In order to form the nipple from the flat
sheet of rubber, the lower left-hand corner
8 is rolled and brought over to the point 9
to form the initial cone. Further rolling of
the sheet will form the complete cone which 110
consists of several layers of material, and
such an arrangement will render it practi-

cally impossible for air to enter or liquid to escape. Hence, the nipple will not be detrimental to the child's health in any way. In fact, it will promote good health in that it will permit a thorough cleansing of the inner face of the sheet after each using, thereby enabling the nipple to be kept extremely sanitary at all times. It is suggested that in forming the nipple, the cone be made sufficiently small so as to permit the base thereof to be drawn tightly down over the bead of the neck of the bottle, thereby enabling it to hug the bead sufficiently tight to insure against leakage at this point. Assuming that the nipple is in place, the large loop 6 of the retaining cord is then placed around the intermediate portion of the nipple just beneath the bead on the neck of the bottle. Then the free end thereof is again wrapped around the nipple and then drawn into the groove in the retainer 7, being thus frictionally held and prevented from slipping.

The foregoing description taken in connection with the drawings is thought to be sufficient to enable the reader to obtain a clear understanding of the use, advantages, and construction of my improved nipple and retainer therefor. In view of this, a more lengthy and detailed description is deemed unnecessary.

Since probably the best results may be ob-

tained with the construction and arrangement herein shown and described, this construction and arrangement is taken as a preferred embodiment of the invention. However, slight minor changes in shape, size and arrangement may be resorted to without departing from the spirit of the invention or scope of the subjoined claims.

I claim:

1. A nursing nipple formed from a flat sheet of washable material rolled upon itself to provide a cone to fit over the mouth of a bottle, and means to retain it on the bottle.

2. A nursing nipple formed from an elastic sheet of material rolled upon itself to form a cone to fit over the mouth of a bottle, and a binder surrounding the nipple just below the bead of the neck of the bottle.

3. A nursing nipple formed from a flat sheet of elastic material substantially semi-circular in shape, said sheet being rolled and having its ends overlapped to form a cone to fit over the neck of a bottle, the lower edge of the cone being intended to rest on the body of the latter, and a retaining element to surround the intermediate portion of the cone beneath the bead on the neck of the bottle.

In testimony whereof I have hereunto set my hand.

ANNA CHARLOTTE THORBJORNSON.