

(No Model.)

J. A. MORRIS.

NURSING BOTTLE AND NIPPLE.

No. 280,656.
FIG. 2.

Patented July 3, 1883.
FIG. 5.

FIG. 1.

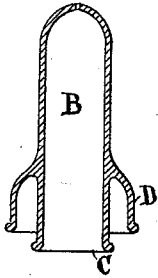


FIG. 3.

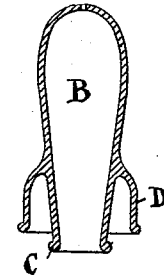
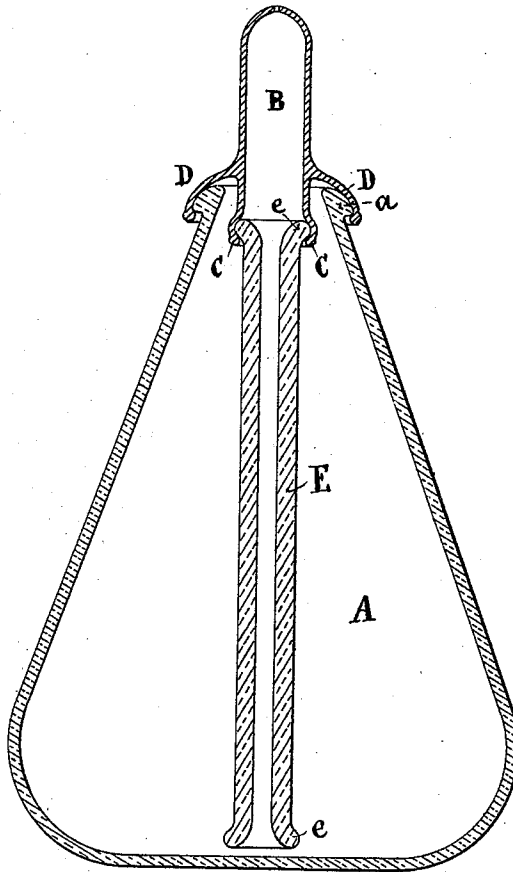
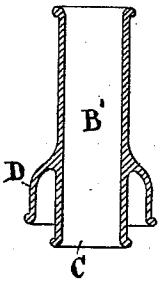


FIG. 6.

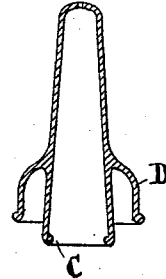
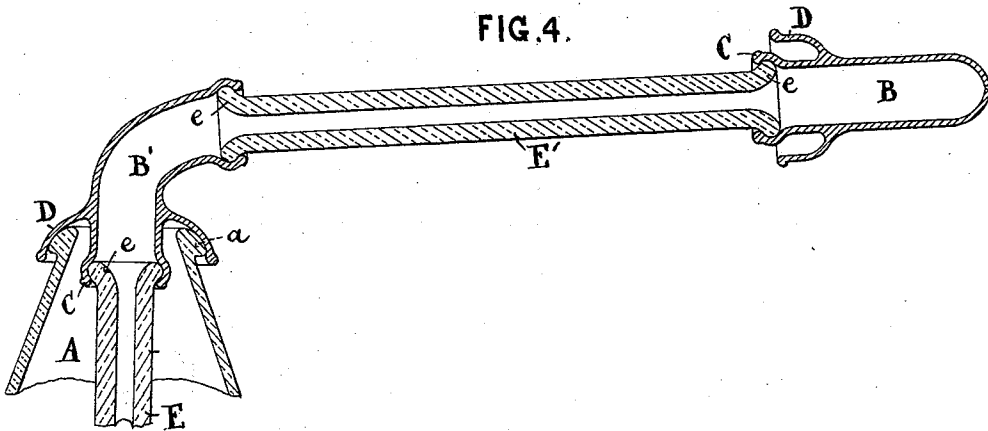


FIG. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

JAMES A. MORRIS, OF BOSTON, MASSACHUSETTS.

NURSING BOTTLE AND NIPPLE.

SPECIFICATION forming part of Letters Patent No. 280,656, dated July 3, 1883.

Application filed January 29, 1883. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. MORRIS, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Nursing Bottles and Nipples; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in nursing bottles and nipples, whereby the nipple is made to hold a glass tube which extends downward to near the bottom of the bottle, and has a free gravitating movement adapted to any inclination of the bottle, the nipple at the same time being firmly secured to the bottle by an exterior flange or cap or by another portion of the nipple.

Referring to the accompanying drawings, Figure 1 represents a nursing-bottle embodying my improvements. Fig. 2 is a vertical section of my improved nipple. Fig. 3 is a similar section, showing the upper end open. Fig. 4 shows the application of a nipple with the closed end and one with the open end. Figs. 5 and 6 are modifications of the form of the nipple.

A is the bottle, made of conical shape, with a flat bottom. It has no neck, but is provided with a beveled projection forming a shoulder, over which the end of the nipple is drawn and secured. The inner surface of the bottle is straight from the mouth to near the curved portion at the lower end, by which construction the bottle is very readily cleaned.

B is a nipple made of soft rubber, and of cylindrical shape, as shown.

At a point somewhat below the middle of the cylindrical portion is attached, or formed with it, a cup-shaped flange, D, as shown. The lower end of the cylindrical portion extends a short distance below the flange D, as shown at C, so as to project downward into the mouth of the bottle and holds the enlarged end of a glass tube, E, whereby the lower end of the said tube is allowed a free gravitating movement as the bottle is inclined. The flange D is sprung over the beveled shoulder *a*, as shown.

E is a glass tube, made with flaring projecting ends *e e*, and somewhat thick, as indicated, and so that it can be attached at either end to the nipple. The rubber connection B' is shown fully open at its upper end, and made like nipple B at its lower end, as in Fig. 3, so that besides being attached to the bottle and inclosed glass tube the upper end may receive the end of an additional glass tube, E', having on its other end the closed nipple B, Fig. 2.

Figs. 5 and 6 show modified forms of my improved nipple.

What I claim as my invention is—

1. A nursing-nipple constructed with an elongated central part for attachment to a glass tube, and an outer cup-shaped flange for attachment to a bottle, said nipple being all in one piece, substantially as shown and described.

2. The combination of the nipple B, constructed as described, the glass tube E, having enlarged ends *e*, as shown, and the bottle A, as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES ALLEN MORRIS.

Witnesses:

JOS. H. ADAMS,
E. PLANTA.