(No Model.)

A. C. EGGERS.

NURSING BOTTLE NIPPLE.

No. 411,793. Patented Oct. 1, 1889.

Fig. 2.

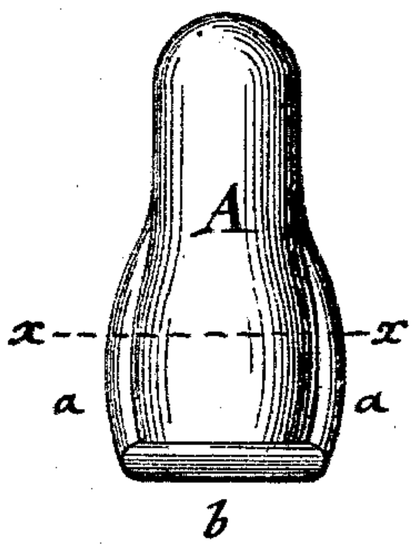


Fig. 1.

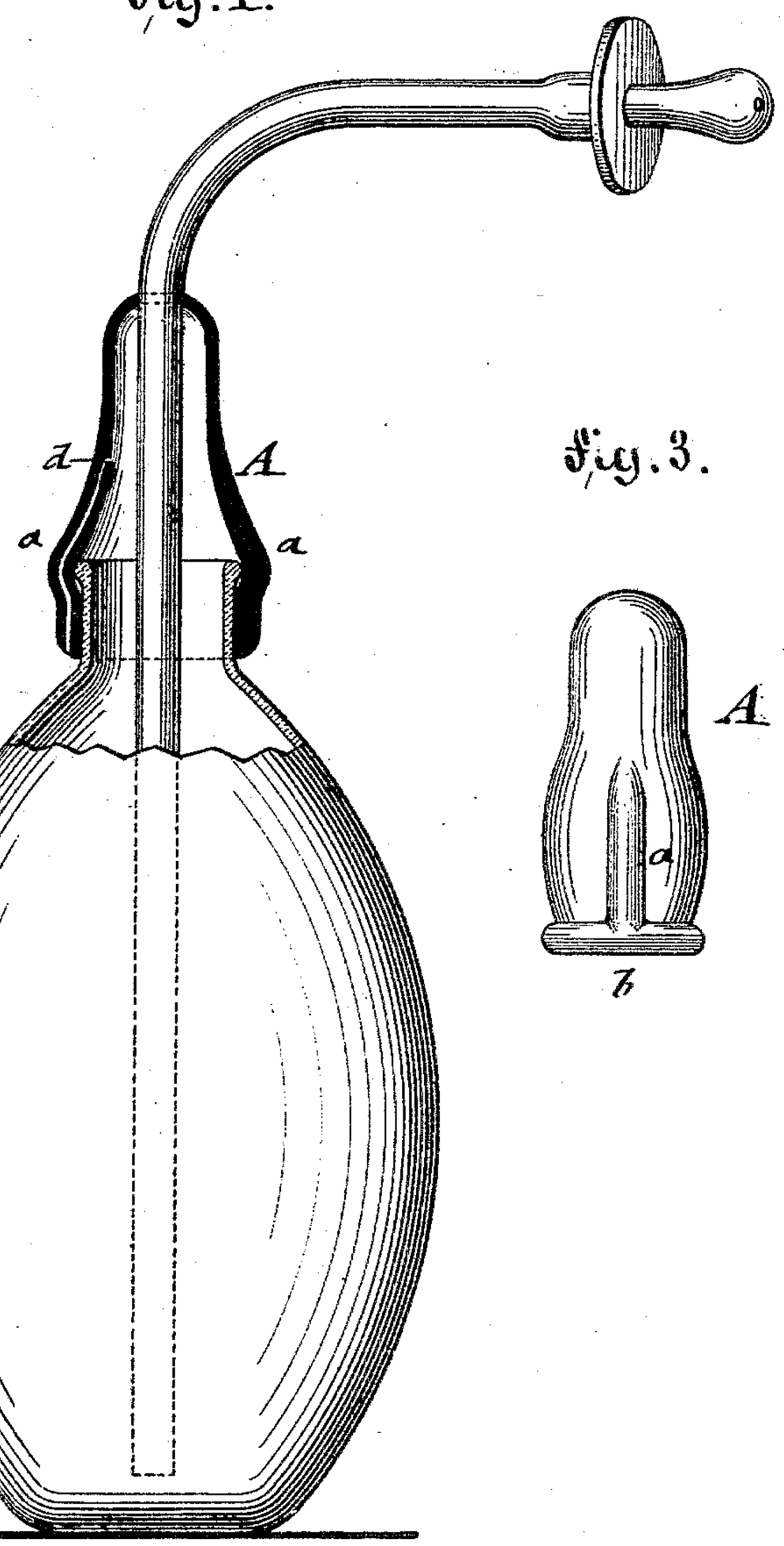
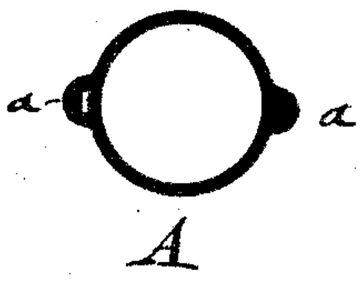


Fig. 3.

Fig. 4.



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NURSING-BOTTLE NIPPLE.

SPECIFICATION forming part of Letters Patent No. 411,793, dated October 1, 1889.

Application filed December 27, 1888. Serial No. 294,819. (No model.)

To all whom it may concern:

Be it known that I, ANTON C. EGGERS, of the city, county, and State of New York, a citizen of the United States, have invented certain new and useful Improvements in Nipples for Nursing-Bottles, of which the following is a specification.

This invention relates to an improved nipple for nursing-bottles by which air is freely admitted into the interior of the bottle while drinking from the bottle, and thereby no vacuum is formed at the interior of the same; and the invention consists of a nipple for nursing-bottles provided with an exterior rib, a vent-passage in said rib, and a valve at the inner end of said vent-passage, the valve being made integral with the body of the nipple.

In the accompanying drawings, Figure 1 represents a side elevation of my improved nipple for nursing-bottles, shown as applied to a nursing-bottle and arranged for use with a supplemental tube and nipple. Fig. 2 is a front elevation of my improved nipple for nursing-bottles; Fig. 3, a side elevation; and Fig. 4 a horizontal section on line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents my improved nipple for nursing-bottles, which is made of soft rubber and provided with exterior ribs *a a*, that extend from the lower rim *b* of the nipple to about the middle of the same. One of said ribs *a* is made hollow, so as to form a vent-tube which communicates at its lower end with the atmosphere, while it communicates at its upper and inner end with the interior of the nipple, and is closed by a flap-valve *d*, which, like the ribs *a a*, is made integral with the nipple A. The second solid rib *a* serves only for imparting to the nipple a symmetrical shape.

When the nipple is applied to the bottle and a partial vacuum established in the same by the sucking of the liquid from the same, an inward pressure is exerted by the atmospheric air on the flap-valve *d*, so that it is opened and air admitted to the interior of the bottle, thus giving vent to the same. The pressure of the vacuum in the same is thereby relieved, and the drinking of the contents of the nursing-bottle facilitated without requiring any exertion on the part of the infant in drinking.

When the outlet-opening of the nipple is made somewhat larger, the same can be used in connection with a supplemental tube and nipple, as shown in Fig. 1.

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

A nipple for nursing-bottles, provided with an exterior rib extending upwardly from the rim of the nipple, a vent-passage in said rib, and a flap-valve at the upper and inner end of the vent-passage, said valve being made integral with the nipple, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

ANTON C. EGGERS.

Witnesses:

PAUL GOEPEL,

CARL KARP.