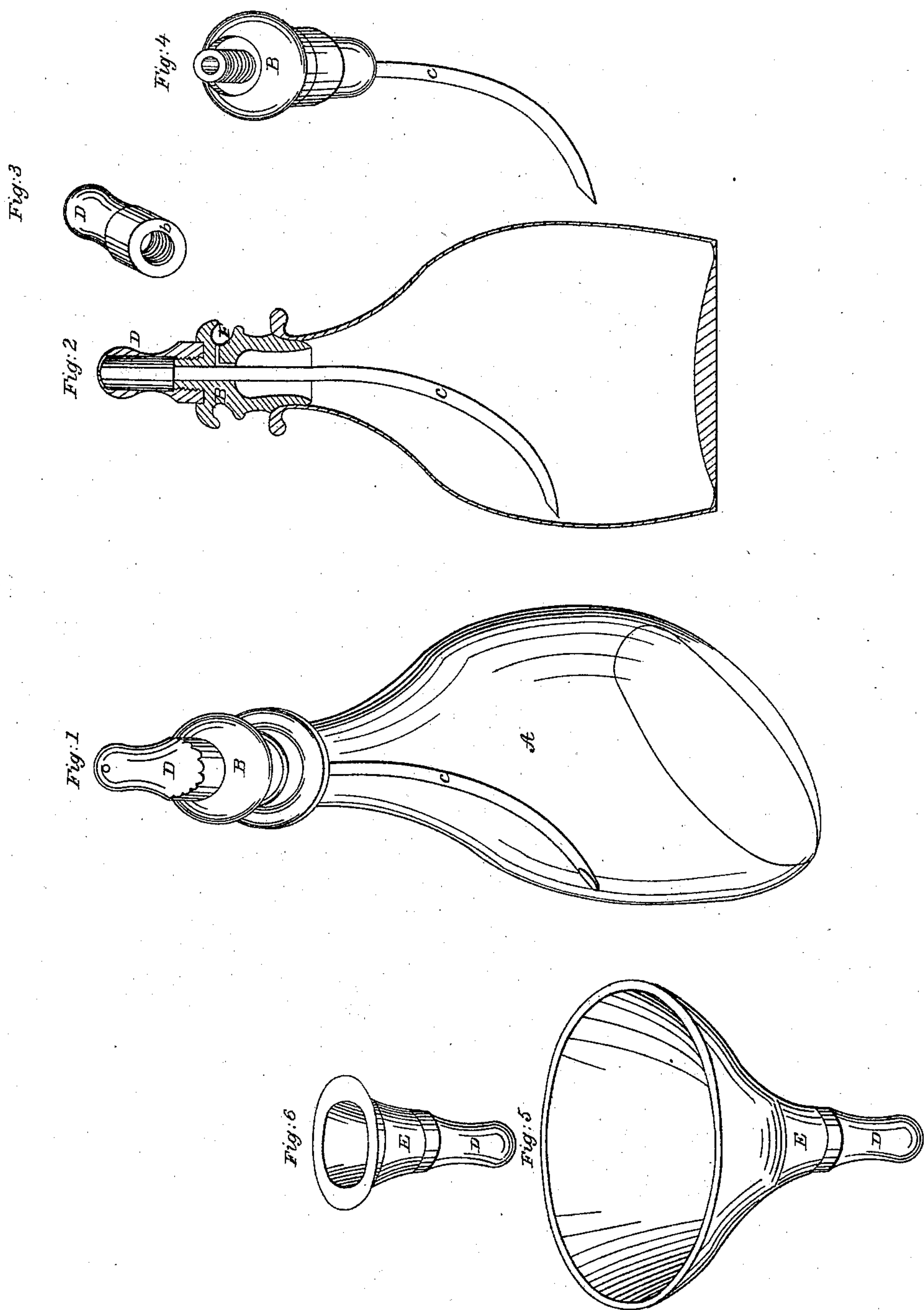


E. Dwyer,
Nursing Bottle.

N^o 3,780.

Patented Oct. 7, 1844.



UNITED STATES PATENT OFFICE.

EUGENE DUPUY, OF NEW YORK, N. Y.

IMPROVEMENT IN THE CONSTRUCTION OF NURSING-BOTTLES.

Specification forming part of Letters Patent No. 3,780, dated October 7, 1844.

To all whom it may concern:

Be it known that I, EUGENE DUPUY, of the city and county of New York, State of New York, have invented a new and useful Improvement on a Nursing Apparatus and Breast-Shield for the Nipple; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being made to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the nursing apparatus. Fig. 2 is a sectional view showing the internal lines of division of the several parts comprising the bottle, stopper, tube, vent-hole, and mouth-piece; Fig. 3, a view of the mouth-piece; Fig. 4, the stopper and tube; Fig. 5, the breast-shield to inclose a portion of the breast together with the nipple; Fig. 6, to embrace the nipple to its base only. The two last-named figures are merely to exemplify the application of the flexible mouth-piece to infantile purposes.

The nature of my invention consists in providing to an ordinary nursing-bottle an ivory mouth-piece and stopper, the part of the mouth-piece of which is intended to be embraced in the infant's mouth being made flexible by eliminating from the bony material the carbonate and phosphate of lime by a chemical process well known in the arts.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct the bottle A, Fig. 1, in any of the known forms, but having a ground orifice to receive the stopper.

The stopper B, Fig. 1, is made of ivory, bone, metal, wood, earthenware, glass, or china, furnished with a discharging-tube C at the stopper, Figs. 1, 2, and 4, made of silver or other metal, glass, china, or earthenware, and curved at the lower end in a manner to facilitate the exhaustion of the contents of the bottle when held in an inclined or horizontal position. To the upper part of said stopper is a screw at *a*, Fig. 4, formed to receive and enter into the female screw of the mouth-piece at *b*, Fig. 3, and thus connecting the

the parts Figs. 3 and 4 together by screwing former to the latter, by which means it can be taken apart to clean it or for other purposes. A small air-hole in the stopper is shown at F, Fig. 2, intended to facilitate the displacement of the liquid in bottle A when suction is performed. The mouth-piece, Fig. 3, is formed of ivory, bone, or tooth of other animals, and at its base of sufficient thickness to form a good female screw, which part remains unchanged. The apex and portion intended to go in the mouth is prepared in the manner already alluded to, in order to render it flexible and simulate the mother's nipple. To preserve its flexibility or to return it when lost by exposure to a dry atmosphere, it is necessary to immerse it in water until rendered pliable.

Having thus described the application of the flexible ivory to nursing-bottles, I will proceed to describe its adaptation and mode of applying it to the human breast in case of fissures into it or of sore nipple.

D, Fig. 6, is a mouth-piece in all respects similar to the one described at Fig. 3 and screws onto the base or part intended to cover the nipple E, Fig. 6, which last-named may be made of wood, bone, ivory, glass, earthenware, and china, or metal, and so formed at the inside as to contain the nipple and leave a space besides, so as to admit of the formation of a vacuum in the same part at its apex when suction is performed through the flexible ivory. The part E, Fig. 6, may be varied in width, so as to cover a larger portion of the breast, as shown at Fig. 5, which, however, is only a modification of the same thing.

Having thus fully described my invention, I proceed to point out those parts which I deem novel and of new effect, and what I claim as new, and desire to secure by Letters Patent, is—

The application of flexible ivory substantially in the mode for the use and purposes set forth.

E. DUPUY.

Witnesses:

SAMUEL S. DAY,
ANTHONY CIVILE.