(No Model.)

E. A. BARTON.

Nursing Bottle.

No. 234,224. Patented Nov. 9, 1880.

Fig. 1.

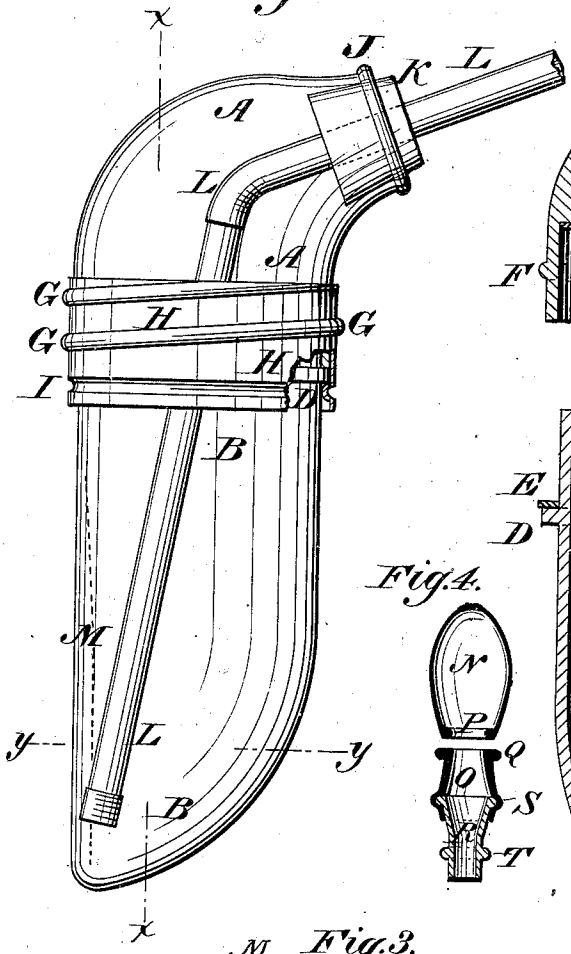
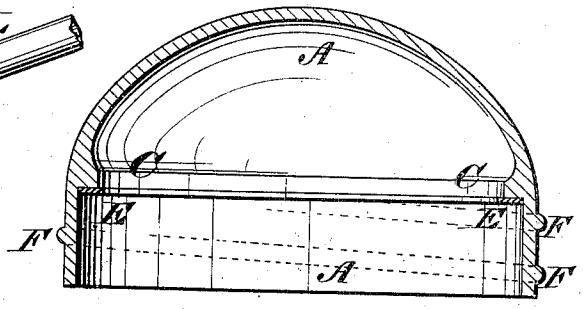


Fig. 2.



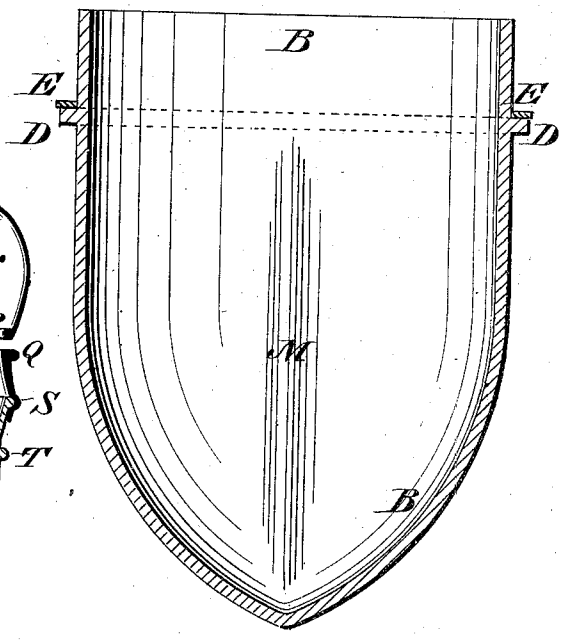
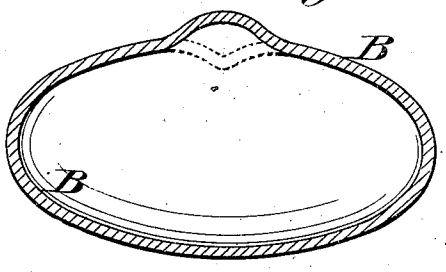
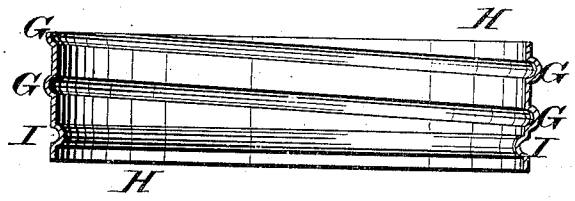


Fig. 4.

M. Fig. 3.





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EDWARD A. BARTON, OF MONTREAL, QUEBEC, CANADA.

NURSING-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 234,224, dated November 9, 1880.

Application filed August 16, 1880. (No model.)

To all whom it may concern:

Be it known that I, EDWARD ALFRED BARTON, of Montreal, in the Province of Quebec and Dominion of Canada, have invented a new and useful Improvement in Nursing-Bottles, of which the following is a specification.

Figure 1 is a side view of the improvement. Fig. 2 is a longitudinal section taken through the line *x x*, Fig. 1, but showing the parts separated. Fig. 3 is a cross-section taken through the line *y y*, Fig. 1. Fig. 4 is a sectional elevation of the nipple and collar.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish nursing-bottles so constructed that they can be easily cleaned, which will not leak, and will not be liable to become uncorked accidentally.

The body of the bottle is made oval in its general form and in two parts, A B, of unequal size. The upper part, A, is made much the smaller, so that a supply of milk can be put into the lower part, B, before the two parts are secured together. The adjacent ends of the two parts A B are so formed that the upper end of the lower part, B, will fit into the lower end of the upper part, A. When the two parts A B are put together the upper edge of the lower part, B, rests against a shoulder or rib C, formed upon the inner surface of the upper part, A, and the lower edge of the upper part, A, rests against a shoulder or rib, D, formed upon the outer surface of the lower part, B. Upon the shoulders C D are placed packing-rings E, of rubber or other suitable material, for the edges of the parts B A to rest against to make the joints tight, so that there can be no leakage between the overlapped ends of the parts A B. Upon the outer surface of the lower end of the upper part, A, is formed a screw-thread, F, which fits into a screw-thread, G, in the inner surface of a collar, H, which is made of hard rubber or other suitable material which has sufficient flexibility to allow it to be screwed upon an oval body and sufficient strength to hold the screw-threads while being made thin and neat. Around the inner surface of the lower edge of the collar H is formed a flange or bead, I, to rest against the lower side of the flange, rib, or shoulder D, to stop the collar in proper position. The upper end of the upper part, A, is turned upward and forward to give a proper direction to the suction-tube and keep its inner end upon the bottom of the bottle, and has a tapered neck and opening, J, to receive a tapering rubber cork or stopper, K, which is inserted from the inner side, so that the cork cannot be taken out by the child.

The cork is perforated longitudinally to receive the tube L, through which the milk is drawn, and which is held firmly in place by the compression of the rubber cork K as it is pressed into the mouth J of the bottle. The lower end of the lower part, B, is tapered toward its lower side, as shown in Fig. 1, and has an outwardly-projecting ridge, M, formed upon the lower part of its lower side to form channels for the lower end of the suction-tube L to rest in, so that the said lower end may always be immersed in milk to prevent the child from drawing air through the tube L; or, if desired, an inwardly-projecting ridge may be formed upon the lower side of the part B, to form a channel to receive the end of the suction-tube L, as shown in dotted lines in Fig. 3.

The nipple is made in two parts, a mouth-piece, N, and a neck, O. The mouth-piece N is made in the shape of the upper part of an ordinary nipple, or in any other suitable shape, and with the rubber of about the same thickness as the rubber in an ordinary nipple. Around the inner surface of the open lower end of the mouth-piece N is formed a bead, P, to interlock with a bead, Q, formed around the outer surface of the upper end of the neck O. The neck O is formed of thicker rubber than the mouth-piece N, so that it will retain a tubular form and will hold the lower end of the mouth-piece N distended. R is a glass collar or coupling, which has a bead, S, around its slightly-flaring upper end to receive and hold the lower end of the neck O and a bead, T, around its lower part to receive and hold the upper end of the suction-tube. With this construction the nipple can be readily detached from the collar R, and the parts N O separated, and the mouth-piece N turned inside out and thoroughly cleaned. The inner surface of the tubular neck O can be cleaned with a brush. The upper end of the neck O can be inserted

in the open end of the mouth-piece N by folding the said neck longitudinally, the elasticity of the rubber restoring the neck to its original form as soon as the pressure is removed.

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

1. In a nursing-bottle, the combination, with the part A, having shoulder C and screw-thread F, and the part B, having shoulder D, of the collar H, having screw-thread G and shoulder I, substantially as herein shown and described, whereby the two parts of the bottle are securely connected together, as set forth.

2. In a nursing-bottle, the lower part, B, made with a ridge, M, substantially as herein shown and described, whereby a channel is formed to receive the inner end of the suction-tube L, as set forth.

3. A rubber nipple made in two parts, substantially as herein shown and described, consisting of a mouth-piece, N, having a bead, P, upon the inner surface of its open end, and the tubular neck O, having a bead, Q, upon the outer surfaces of its upper end, whereby the two parts will interlock with each other, as set forth.

4. The combination, with the nipple formed of the mouth-piece N and the separable neck O, of the glass collar R, having a bead around its upper end to receive and hold the neck O and a bead around its lower end to receive and hold the suction-tube, substantially as herein shown and described.

EDWARD A. BARTON.

Witnesses:

L. M. NIXON,

M. J. JONES.