T. E. DANIELS.

Breast-Cups for Females.

No. 166,686. Patented Aug. 17, 1875

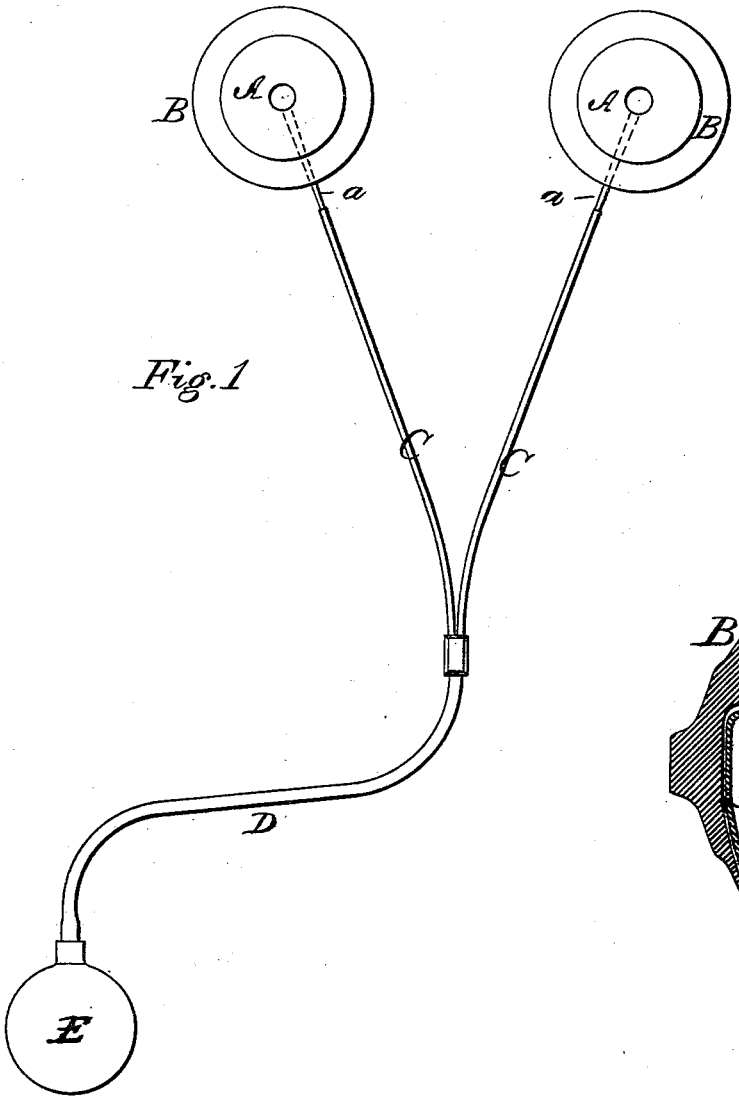
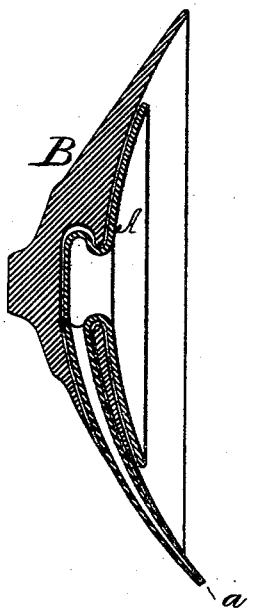


Fig. 1

Fig. 2.



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UNITED STATES PATENT OFFICE.

TAYLOR E. DANIELS, OF DETROIT, MICHIGAN.

IMPROVEMENT IN BREAST-CUPS FOR FEMALES.

Specification forming part of Letters Patent No. **166,686**, dated August 17, 1875; application filed July 7, 1875.

To all whom it may concern:

Be it known that I, TAYLOR E. DANIELS, of Detroit, in the county of Wayne and State of Michigan, have invented certain Improvements in Combined Breast Cup and Pads for Females, of which the following is a specification:

The object of my invention is to provide a simple and unobjectionable device for receiving and conveying to a receptacle in the pocket the fluid which is involuntarily discharged from the breasts of nursing women.

It is a well-known fact that many females suffer great annoyance and inconvenience from the escape of milk from their breasts. Hitherto the only protection from this annoyance has been in the use of glass breast-cups to receive and retain the milk; but the use of these cups is very objectionable, for the reasons that, being of necessarily limited capacity, they quickly fill up, and permit the milk to escape into the clothing, and that in the event of their being fractured the wearer is subjected to great danger from the fragments.

In order to overcome these difficulties I provide for each nipple a small cap, connected by a small tube with a flask or receptacle, which may be carried in the pocket, or upon any other suitable part of the person.

The form and construction of the parts may be varied in many respects without departing from the limits of my invention; but under ordinary circumstances I prefer to make the nipple-caps of hard rubber or gutta-percha, and to mount them in soft-rubber pads, and connect their two tubes with a single large tube leading to the receptacle, the parts being united in such manner that they may be readily separated and cleansed.

The rubber pads are made larger in diameter than the hard caps, and of such form as to cover and enlarge the bust, so that they may be used alone or without the caps as substitutes for the ordinary pads.

When the device is to be used continually the small conducting-tubes may be secured in a corset in the same manner as the whalebones, so that the corset will hold the parts in their proper positions, and prevent them from attracting attention.

In the drawings, Figure 1 represents an inside face view of the device; Fig. 2, a vertical central section of the breast cup and pad.

A represents a breast-cap or nipple-piece, made of the proper size and form to fit snugly in place without causing an irritation of the parts, while at the same time serving to retain any fluid that may be discharged from the nipple. The recess in the center of the cap is made of such form as to leave a small space or chamber around the nipple, and the cap is provided with a tube, *a*, leading downward therefrom, as shown, to carry off the fluid. B represents a soft-rubber pad or cushion, made of suitable form and size to fit upon the breast, and provided in its inner side with a central recess to receive the cap A, as shown, a hole being made from the center to the edge of the pad for the purpose of receiving the tube *a*. C represents an incompressible tube of hard rubber or similar material, attached at its upper end to the tube *a*. D represents a flexible tube of larger size, to the upper end of which the two tubes *a* from the nipple-caps are connected. E represents a bottle or flask attached to the lower end of the tube D in such manner that it may be readily detached and emptied.

Instead of employing the tube D, the two tubes C may be connected directly to the flask.

The form, construction, and material of the flask may be varied, as required.

When desired the nipple-caps may be employed without the pads, or the pads employed alone simply for expanding the bust.

It will be observed that the construction of my device is such that it may be worn constantly upon the person within the clothing without causing annoyance, or giving any indication of its presence, thus relieving the wearer from all care and annoyance on account of any discharge which may occur from her breast, protecting her clothing, and enabling her to attend to her duties and pleasures regardless of her affliction.

I am aware that breast-pumps have hitherto been made consisting of a nipple-cap attached to the top of a bottle, and provided with a tube leading to a compressible pump-bulb, and also that they have been made consisting of a nipple-cap, connected by a short flexible tube to a compressible pump-bulb; but as neither

of said devices is intended or adapted to be worn upon the person they have no bearing on my device.

Having described my invention, what I claim is—

1. A device to be worn upon the person under the clothing for the purpose of receiving and retaining the fluid involuntarily discharged from the breast, consisting of a flattened nipple-cap, A, and the receptacle E, connected thereto by the small flexible tube, of suitable length to extend from the breast to the pocket, or other suitable part of the clothing, substantially as shown.

2. In combination with the cap A, having the tube *a*, the soft pad or shield B, recessed to receive and retain the cap, as shown.

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