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R. P. BRANDON

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DIAPER CONSTRUCTION

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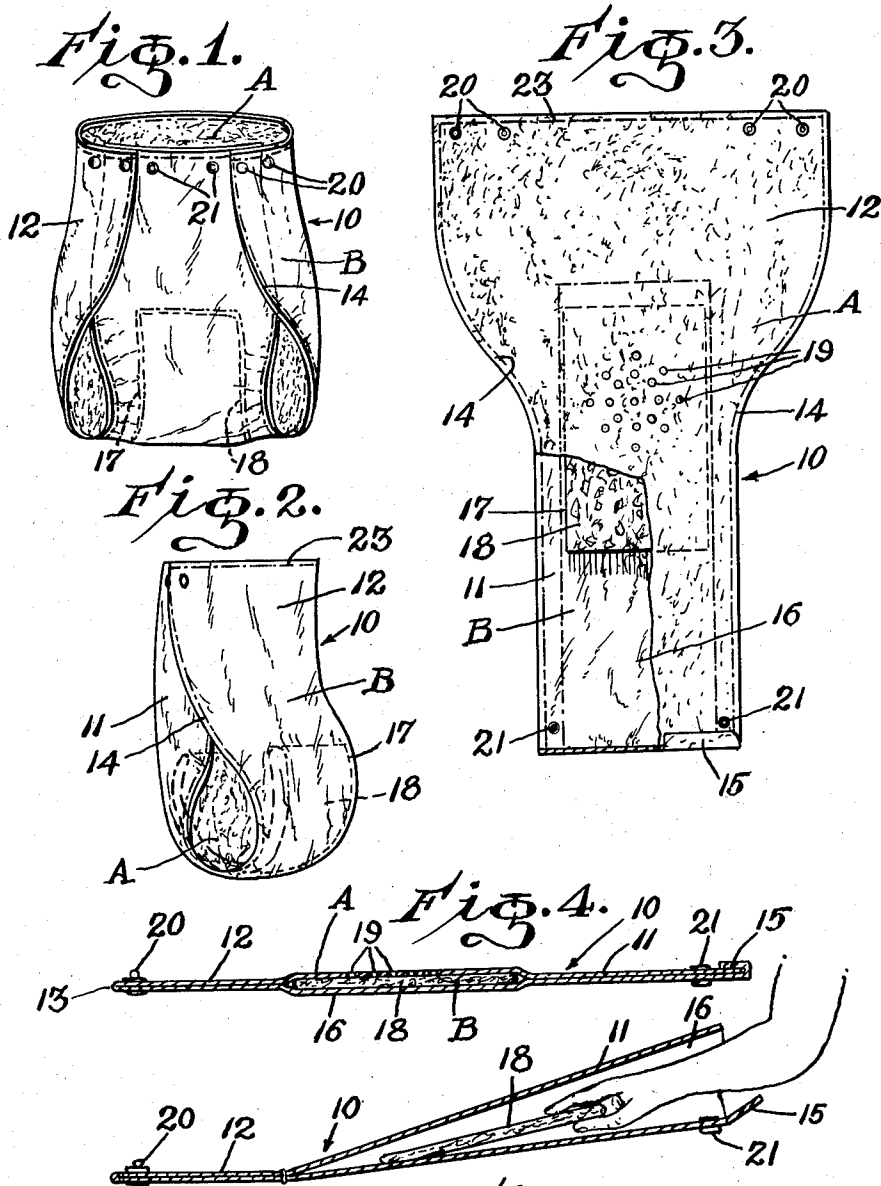


Fig. 5.

INVENTOR.

Ruth P. Brandon
Ruth P. Brandon

1

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DIAPER CONSTRUCTION

Ruth P. Brandon, Springfield, Ohio

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This invention relates to diapers for babies.

It is an object of the present invention to provide an improved diaper for babies which will prevent the liquid from soaking into the baby's clothing in a novel manner.

It is another object of the present invention to provide a diaper for babies of the above type which includes a removable liquid adsorbing insert which will prevent the liquid from soaking into the baby's clothes and which may be removed when soaked so as to permit the same to dry out.

Other objects of the invention are to provide a diaper for babies bearing the above objects in mind which is of simple construction, has a minimum number of parts, is inexpensive to manufacture and efficient in operation and use.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in connection with the accompanying drawing, in which:

Figure 1 is a front perspective view of a preferred embodiment of the present invention;

Fig. 2 is a rear perspective view;

Fig. 3 is a top plan view of the diaper shown flat and partly broken away;

Fig. 4 is a central longitudinal sectional view through Fig. 3; and

Fig. 5 is a view similar to Fig. 4 but illustrating the manner of inserting and removing the absorbent sponge.

Referring now more in detail to the drawing, 10 indicates generally a diaper embodying the features of the present invention including a relatively narrow rectangular front portion 11 integrally formed at one end with the relatively wide rear portion 12, substantially as illustrated. The diaper is formed of upper and lower layers A and B which are integrally joined at their rear edge along a fold line, as at 13 (Fig. 4). The layers A and B are stitched together or otherwise secured together along their longitudinal edges as at 14 with the forward end being open. The forward end of the bottom layer B is integrally formed with a flap 15 adapted to be folded across the upper layer A whereby to provide a closure therefor when the diaper is in the operative position of Figs. 1 and 2.

An elongated rectangular pocket 16 is formed and extending inwardly from the open end of the diaper by means of the three-sided rectangular stitching 17, the pocket 16 extending beyond the central portion of the diaper and partially into the rear section, as shown in Fig. 3. A removable flat rectangular sponge 18 is insertable within the pocket 16 to the innermost position, the upper layer A being provided with the perforations 19.

The diaper is shown as being of the adjustable type and having a plurality of laterally spaced male snap fastening elements 20 secured to the rear end which cooperate with the female snap fastening elements 21 pro-

2

vided at opposite sides of the forward end, as will be obvious.

As shown in Fig. 2, the sponge 18 will be positioned across the crotch of the baby when the diaper is properly positioned thereon and will absorb liquid through the perforations 19 and prevent the same from soaking into the clothing. After the sponge has become wet, it may be removed from the diaper by merely unsnapping the ends and opening the flap 15, as shown in Fig. 5. After the sponge has dried, it can again be inserted in the same manner.

The invention is equally applicable to other types of diapers, for example those having elastic and being provided with vertically spaced snap fastening elements. The flap 15 will, of course, close the opening to the pocket 16 when the diaper is being worn, folding across the layer A, and being retained in the closed position by the engagement of the snap fastening elements 20, 21. This flap will prevent the water from soaking through the opening.

The outer layer B will be formed of a waterproof material, while the inner layer A will preferably be formed of flannel, rubber sheeting with the soft side disposed adjacent to the baby's skin.

There will be not more than a dozen perforations 19 of small diameter to allow for the slow absorption into the sponge 18. These tiny openings will help to prevent the water in the sponge from coming back through to the baby's skin.

The layers A and B are joined along the rear end by the stitching 23.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claims.

What I claim as new and desire to protect by Letters Patent of the United States is:

1. A diaper comprising inner and outer layers, said inner and outer layers being secured together along their opposite longitudinal edges and across one end, said layers being further secured together inwardly of and parallel to said longitudinal edges extending inwardly from the open end of the diaper, said inner and outer layers being secured laterally to form a pocket extending from the front end of the diaper and into the rear portion, a closure flap secured to the outer layer adapted to close the open end upon folding the same inwardly across the inner layer, and a sponge of flat rectangular shape positioned within said pocket at the inner end thereof, said inner layer having perforations communicating with said sponge.

2. A diaper according to claim 1, the outer layer being of waterproof material, and inner layer being formed of flannel rubber sheeting having the soft side disposed adjacent the skin of the baby.

3. A diaper according to claim 2, including an elongated rectangular, relatively narrow front portion and a laterally enlarged rear portion integral therewith, and releasable means for securing the inner face of said rear portion across the top face of said front portion.

4. A diaper according to claim 3, said releasable means comprising a plurality of laterally spaced snap fastenings secured to the inner face of the rear portion at the end thereof adapted to cooperate with complementary snap fastening elements secured to the outer face of the front portion.

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