S. W. LAING.

DIAPER.

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1,224,756.

Patented May 1, 1917.

Fig. 1,

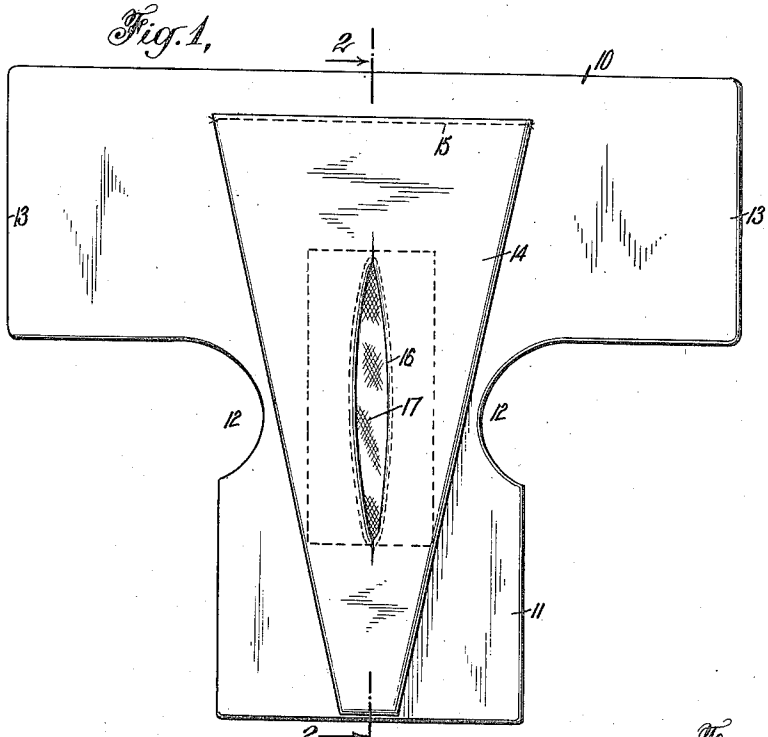


Fig. 2,

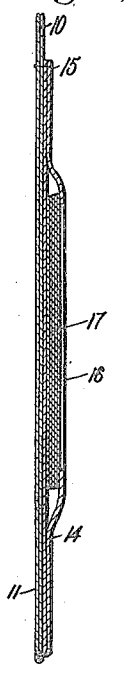


Fig. 3,

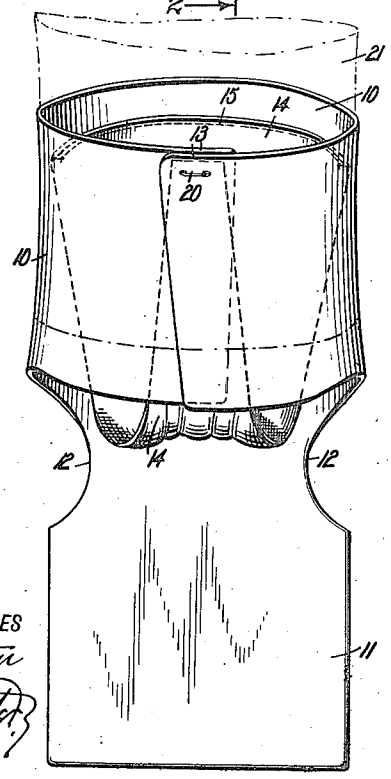
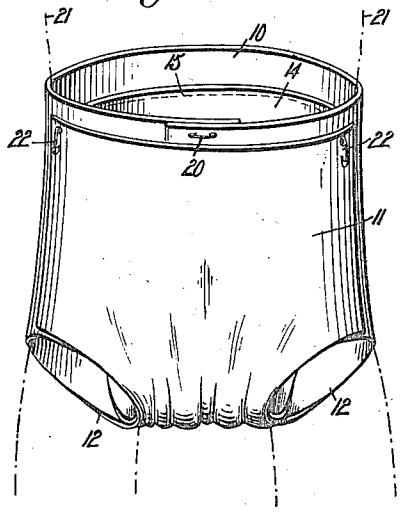


Fig. 4.



WITNESSES

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To all whom it may concern:

Be it known that I, SALLIE WEOR LAING, a citizen of the United States, and a resident of the city of New York, borough of Manhattan in the county and State of New York, have invented a new and Improved Diaper, of which the following is a full, clear, and exact description.

The invention relates to wearing apparel, and its object is to provide a new and improved diaper which when in use gives the desired comfort to the infant, thoroughly protects the abdomen without being unduly bulky and allows perfect freedom of the legs. Another object is to provide a removable absorption pad which can be readily removed when soiled without removing the diaper.

In order to accomplish the desired result, use is made of a body of fabric material and of approximately rectangular shape, the sides of the body being adapted to overlap at the front of the infant's abdomen, a leg flap of approximately rectangular shape and extending integrally from the lower edge of the middle portion of the said body the said flap being narrower than the said body and the sides of the flap being provided at their upper ends with semicircular cut-out portions to form a leg opening on folding the flap onto the front of the body, a single fastening device connecting the overlapping sides of the body together at the upper end, and fastening devices connecting the sides of the leg flap with the body at the hip portions thereof.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of the diaper with the parts in open position;

Fig. 2 is a cross section of the same on the line 2—2 of Fig. 1;

Fig. 3 is a perspective view of the diaper with parts in folded position; and

Fig. 4 is a similar view of the same with the parts shown completely folded when in use.

The diaper is made of a suitable textile fabric material such as cotton cloth, and in its general construction consists of a body 10 and a leg flap 11, the body 10 being approximately rectangular in shape and the leg flap 11 extending integrally from the lower edge of the body 10 and being likewise rectangular in shape but considerably narrower than the body 10. The upper portions of the side edges of the leg flap 11 are provided with semicircular cut-out portions 12 having the upper ends of their walls merging with the lower edge of the body flap 10. The body flap 10 is of such a width that when the diaper is in use the side edges 13 overlap each other at the middle of the abdomen of the infant, as will be readily understood by reference to Figs. 3 and 4. The cut-out portions 12 are at the crotch and consequently when the flap 11 is passed between the legs and folded upon the front of the folded body 10 then openings are formed by the cut-out portions 12 through which extend the legs of the infant (see Fig. 4). The leg flap 11 is of such a width that when it is folded as described its side edges extend close to the sides of the folded body 10, as plainly indicated in Fig. 4.

The front of the body 10 and the leg flap 11 are overlaid with a pad-holding pocket 14 of a soft fabric material, and this pocket 14 is secured at its upper edge by a row of stitches 15 to the body 10 near the upper edge thereof. The pocket 14 is of an approximately keystone shape, that is, with the sides tapering and with the lower apex end at the lower end of the flap 11. The tapering sides of the leg flap 14 extend within the walls of the cut-out portions 12, as plainly indicated in Fig. 1, so that the pocket 14 does not interfere with the formation of the openings for the legs of the infant. The pocket 14 has its mouth 16 in the form of a longitudinal slit extending preferably at the front of the pocket at the median vertical line thereof, and in the said pocket is removably held a pad 17 of a suitable absorbent material, which pad when soiled can be readily removed and replaced by another.

In using the diaper, the body 10 is placed on the back of the infant and then the free apex end of the pocket 14 is taken hold of to pass the pocket between the legs, after which the sides of the body are folded over the hips and abdomen. The free end of the pocket 14 and the overlapping sides 13 are next fastened together and to the undergarment 21 of the infant by the use of a fastening device such as a safety pin 20. It will be noticed that this fastening device 20 connects the overlapping sides 13 with each other at their upper ends to allow the lower

portions of the sides 13 to move laterally with the fastening device 20 practically as a fulcrum to give the desired freedom to the legs of the infant. After the side edges 13 and the apex of the pocket 14 are fastened together, the leg flap 11 is passed between the legs and folded upon the front of the body 10, and then the side edges of the leg flap 11 are connected by safety pins or other fastening devices 22 to the body 10 at the hip portions thereof, as plainly indicated in Fig. 4.

It will be noticed that by the arrangement described the abdomen of the infant is well protected without rendering the diaper bulky at this portion especially as the leg flap 11 overlies the entire front of the folded body 10.

The diaper shown and described is very simple in construction, and in case the pad 17 becomes soiled it can be readily removed after opening the diaper but without entirely removing the same from the infant's body.

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

1. A diaper, comprising a body of approximately rectangular shape and arranged to have its sides overlap at the front of the infant's abdomen, a leg flap of approximately rectangular shape and extending integrally from the lower edge of the middle portion of the said body, the said flap being narrower than the said body and the sides of the flap being provided at their upper ends with semicircular cut-out portions to form leg openings on folding the flap onto the front of the said body, and a pad holding pocket having tapering sides, said pocket being secured at its upper wider end to the middle portion of the body and extending loosely down upon the leg flap.

2. A diaper, comprising a body of approximately rectangular shape and arranged to have its sides overlap at the front of the infant's abdomen, a leg flap of approximately rectangular shape and extending integrally from the lower edge of the middle portion of the said body, the said flap being narrower than the said body and the sides of the flap being provided at their upper ends with semicircular cut-out portions to form leg openings on folding the flap onto the front of the said body, a pad-holding pocket attached at its upper edge to the upper middle portion of the said body, the said pocket having tapering sides and having its free end extending to the lower edge of the said leg flap to permit of passing it between the infant's legs to the overlapping sides of the body at the front thereof, a single fastening device adapted to engage the said overlapping body sides and the free end of the said pad-holding pocket, and fastening devices connecting the sides of the leg flap with the body at the hips thereof.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SALLIE WEOR LAING.

Witnesses:
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H. C. WALKER, Jr.