Feb. 17, 1942. R. A. TASKER 2,273,542

DIAPER

Filed Sept. 27, 1938

FIG. 1

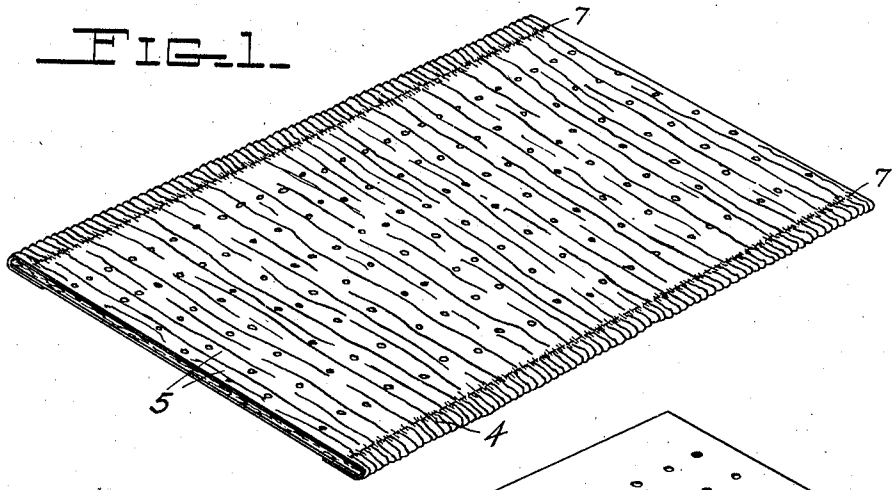
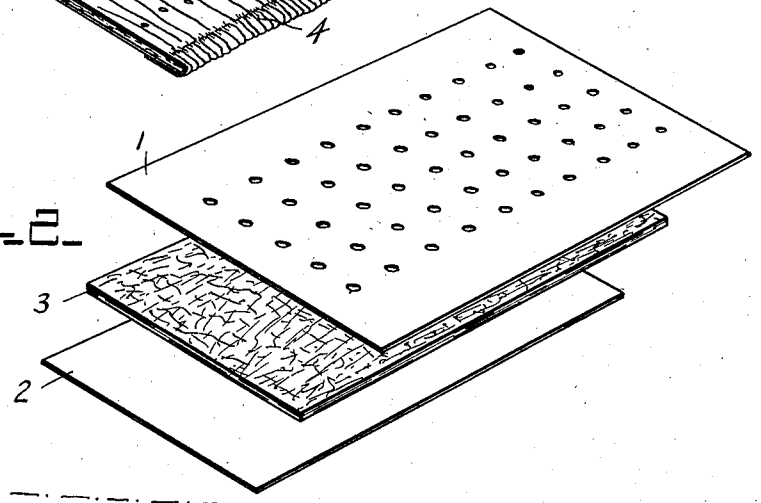


FIG. 2



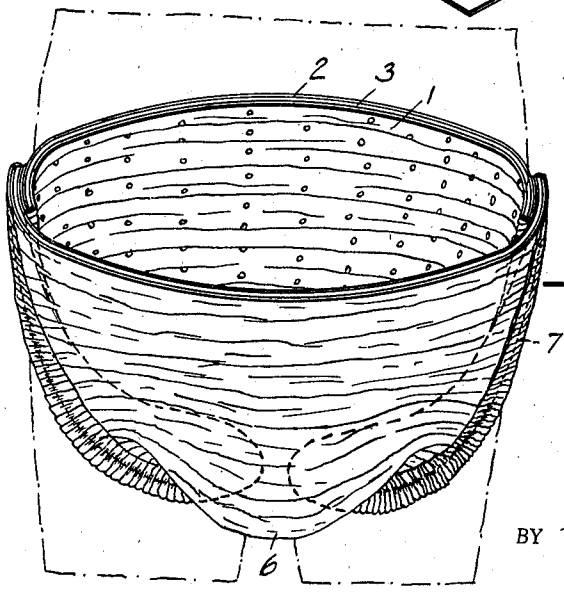


FIG. 3

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UNITED STATES PATENT OFFICE

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DIAPER

Robert A. Tasker, Syracuse, N. Y., assignor of one-third to Harley M. Gates, Syracuse, N. Y.

Application September 27, 1938, Serial No. 231,928

3 Claims. (Cl. 128—284)

This invention relates to diapers, particularly for babies, consisting of layers of material, as outer and inner layers of paper or gauze or the like, adapted to withstand one use of the diaper, and an intermediate layer or absorbent pad, as the materials described in Tasker Patent No. 2,119,610 issued June 7, 1938, and has for its object a diaper of this nature which is rectangular or oblong in general form with its side margins gathered and secured together, thereby forming the intermediate part of the diaper between the side margins with transverse wrinkles and securing the gathered margins to maintain the transverse wrinkles.

Another object of the invention is providing such a diaper with elastic portions, as the side margins, so that they are stretchable in an endwise direction.

The invention consists in the novel features and in the combinations and constructions hereinafter set forth and claimed.

In describing this invention, reference is had to the accompanying drawing in which like characters designate corresponding parts in all the views.

Figure 1 is an isometric view of a diaper embodying my invention.

Figure 2 is an expanded view of the sheets of material before the margins are gathered.

Figure 3 is a perspective view showing the garment assembled on the child.

1 and 2 designate the inner or upper, and the outer or lower, layers of material, and 3 the intermediate layer. The layers 1, 2 are preferably of soft gauze or paper, and the intermediate layer 3 a pad, as in the patent referred to, and the upper or inner layer 1 is preferably perforated.

The layers are gathered at 4 along their side margins providing the portions of the diaper between their side margins with transverse wrinkles 5, so that when the diaper is applied to the child, the wrinkles adjacent the crotch extend transversely of the crotch and open to form a sack at 6, (in contradistinction to lengthwise thereof and compressing or wadding) and hence do not irritate the child. The gathered margins 4 are elastically secured together so that they can stretch and contract in a direction lengthwise of the margins. They are preferably secured together by stitching with an elastic thread at 7, while being gathered, the lines of stitching being located inward from the outer edges of the material. The upper or inner layer 1 is of greater width than the lower and intermediate layers 2, 3, and the side margins of the upper or inner margin 1 folded around the edges of the lower and intermediate layers 2, 3 in the form of a hem.

This diaper, owing to the rectangular or oblong formation, is particularly economical to manufacture compared with diapers of special shape such as that shown in the patent referred to, and can be made up from long strips of materials drawn from reels or bolts of material, and the assembled strips cut up into diaper lengths.

In applying the diaper to the child, the child is laid on the upper half of the diaper, the lower half brought up between the legs of the child over the stomach and the lower corners of the diaper secured to the upper corners in any suitable manner, as by safety pins. When thus applied, the wrinkles extend transversely of the crotch and have enough slack therein to form a sack, and also owing to the transverse wrinkles, the diaper will not wad or irritate the child at the crotch. Owing to the elastic margins, the rectangular diaper readily conforms to the body and legs of the child without irritation, and also a diaper of a given initial size is adaptable to different sizes of bodies.

What I claim is:

1. A diaper oblong in general form and consisting of layers of material having their side margins gathered forming the diaper between the side margins with transverse wrinkles or corrugations, particularly in the portion which comes in the crotch of the child, the transverse wrinkles or corrugations in the crotch portion forming a sack when the diaper is applied to the child, the gathering in the side margins being secured.

2. A diaper oblong in general form and consisting of layers of material having their side margins gathered forming the diaper between the side margins with transverse wrinkles or corrugations, particularly in the portion which comes in the crotch of the child, the gatherings in the side margins being elastically secured together.

3. A diaper oblong in general form and consisting of layers of material having their side margins gathered forming the diaper between the side margins with transverse wrinkles or corrugations, particularly in the portion which comes in the crotch of the child, one of the outer layers having its margin folded around the intermediate layer and the other outer layer in the form of a hem and the gatherings of the side margins and hem being elastically secured together.

ROBERT A. TASKER.