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W. L. AVERY

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DIAPER

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Fig. 1.

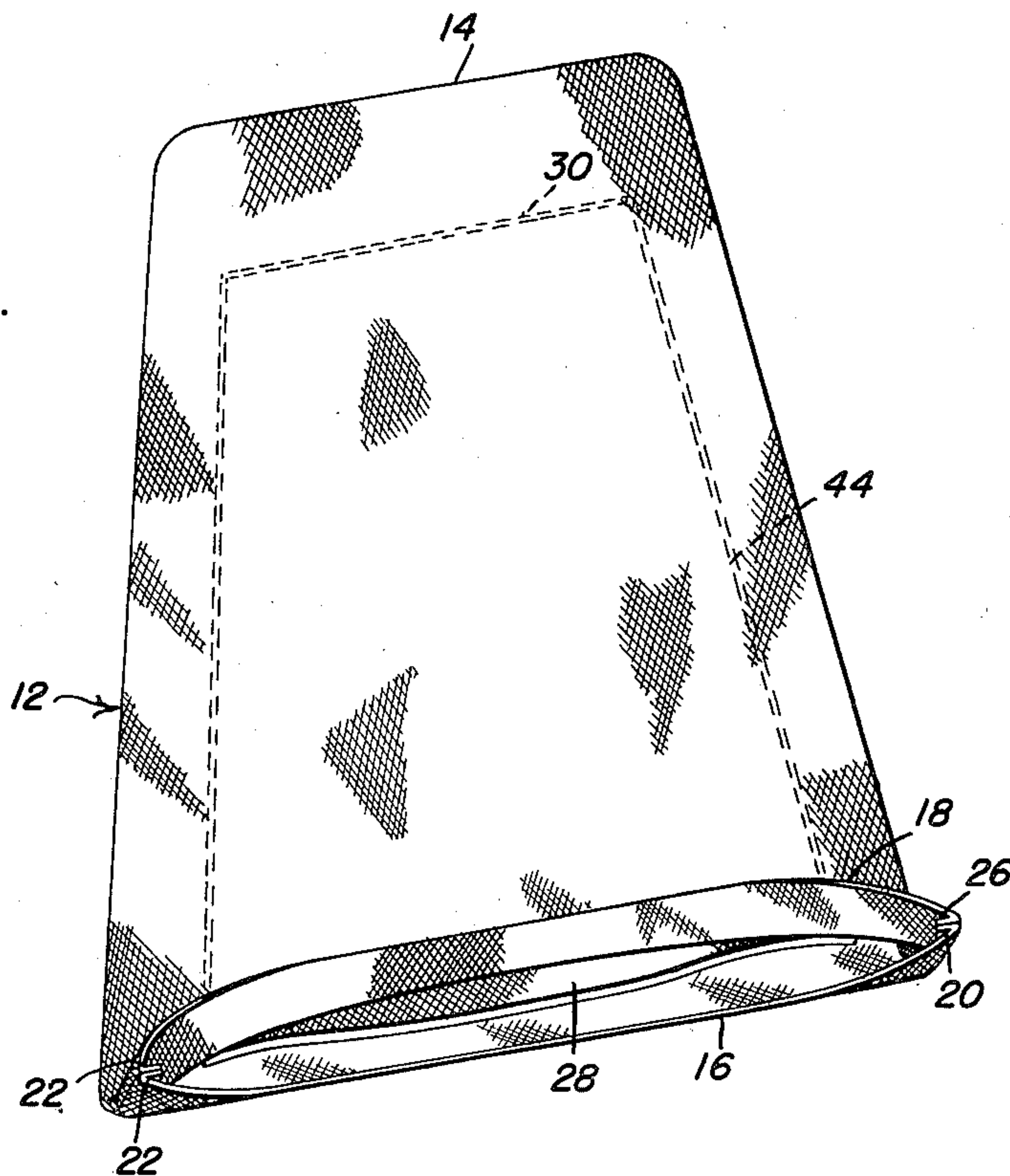


Fig. 2.

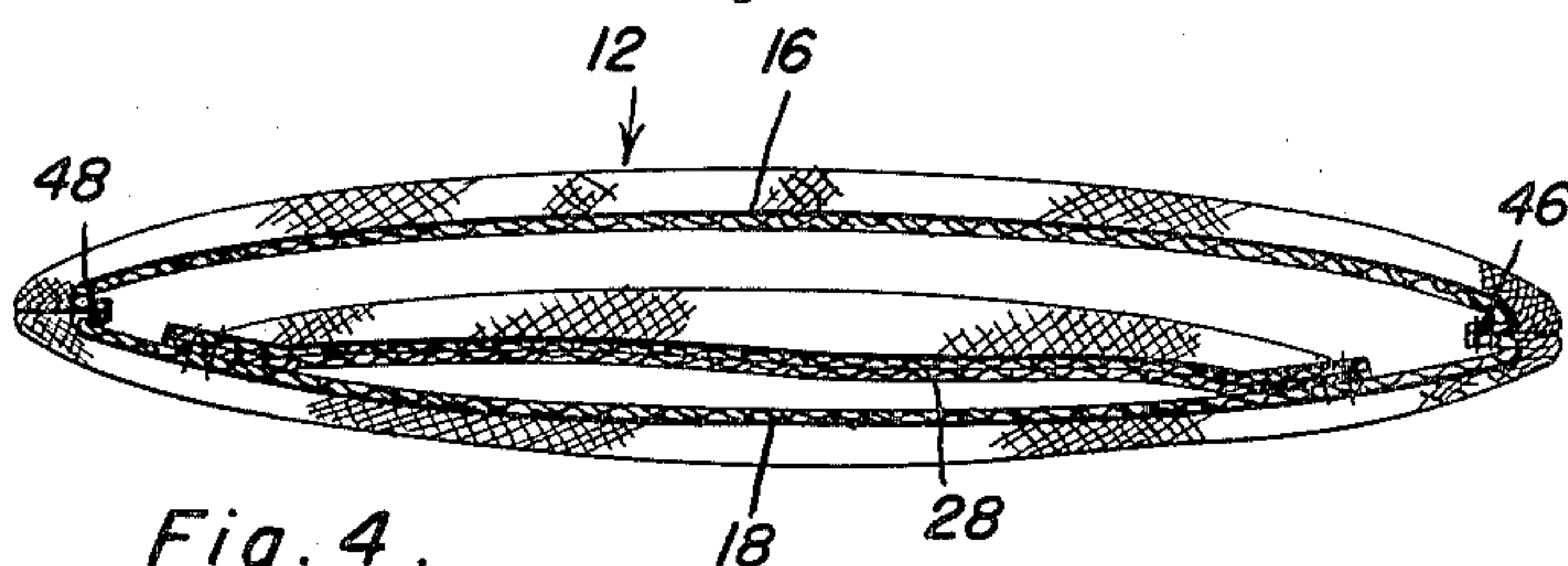


Fig. 3.

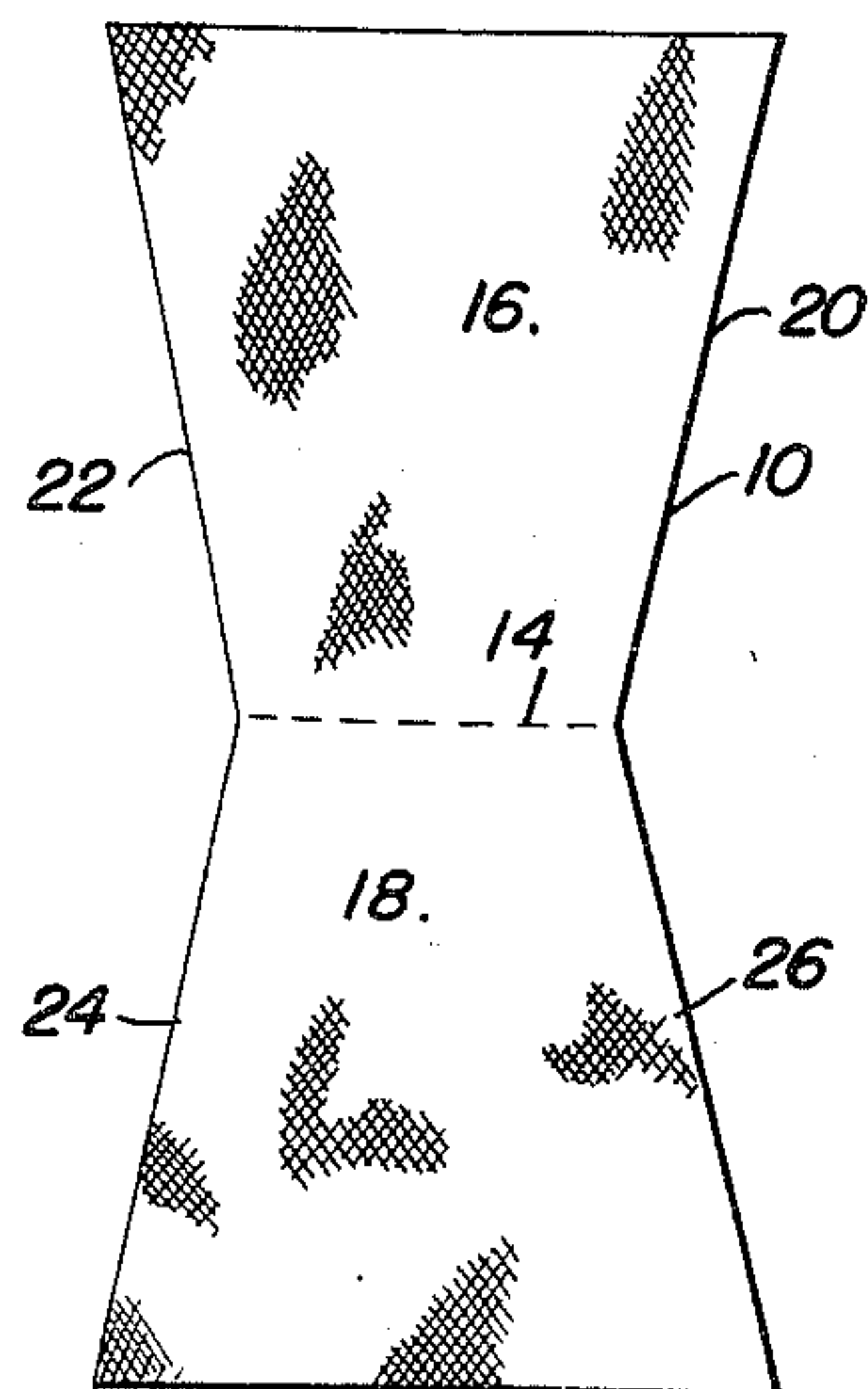
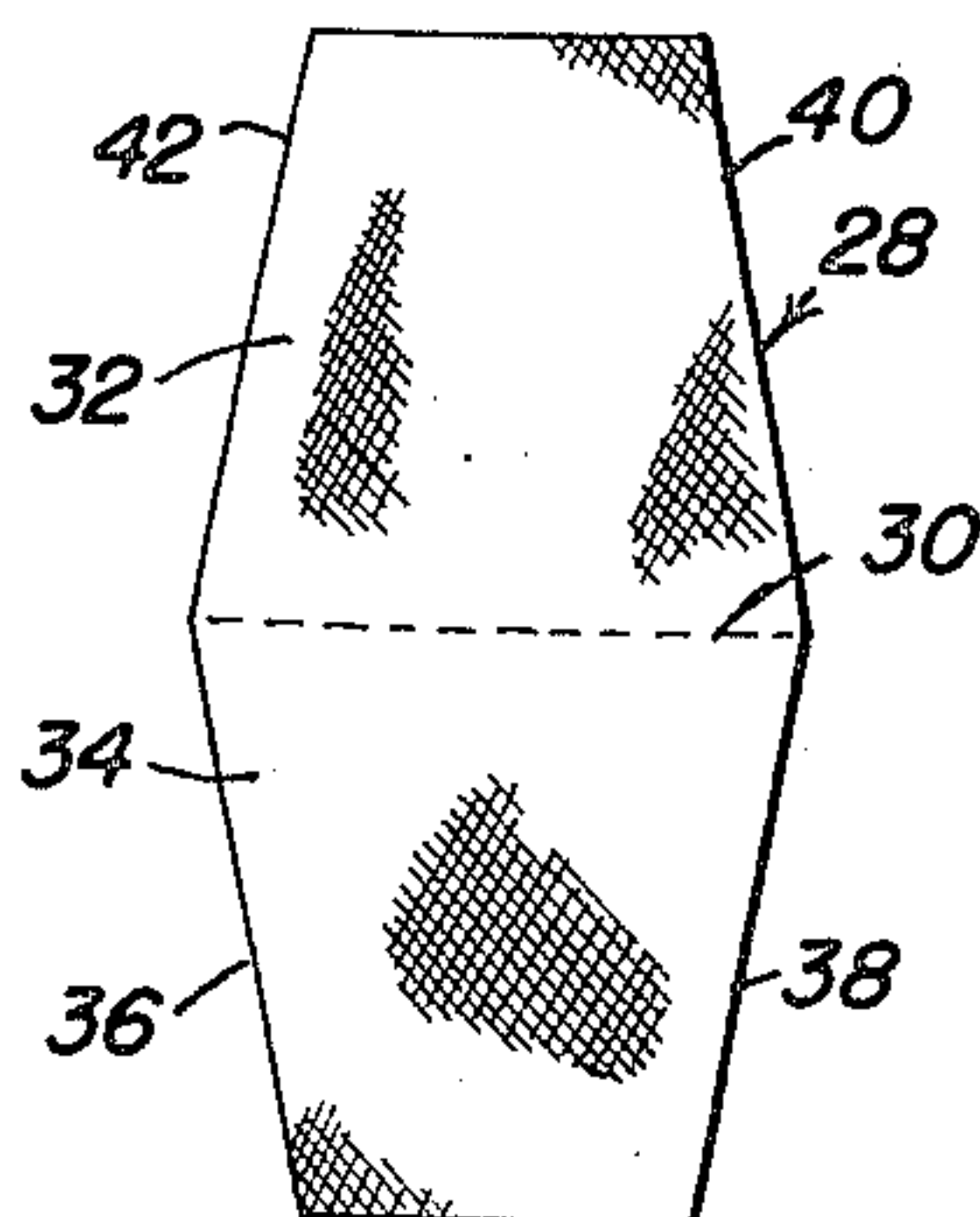


Fig. 4.



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3 Claims. (Cl. 128—284)

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This invention relates to a baby diaper or pants and more particularly to a combined diaper and filler patch.

The principal object of this invention is to provide a diaper or baby pants having a better absorbing quality, with the finished appearance of a tailored garment.

Another object of this invention is to provide a baby diaper that is lighter and more compact and is fashioned in the correct proper proportions to snugly fit around the lower trunk portion of the infant's body, so as to obviate the need for folding a large rectangular cloth to achieve the proper proportions for affixing the diaper to cover the lower trunk portion of the infant's body.

Another object of this invention is to provide a diaper that will simplify the task of placing and removing it from the baby's body and will greatly increase the efficiency of the diaper and enable the diaper to be maintained in use for a longer period of time.

Another object of this invention is to simplify and facilitate the laundering counting and folding of the diapers.

Another object of this invention is to provide a diaper that is inexpensive and economical to manufacture, efficient and durable in operation, and adaptable for use as a container for soiled diapers.

A meritorious feature of this invention resides in the provision of a foundation layer, having a filler patch or insert section stitched thereto, in order to give the diaper a better absorbent quality.

With these and ancillary objects and other meritorious features of the invention which will later become apparent as the following description proceeds, are attained by this device, a preferred embodiment of which has been illustrated by way of illustration only, in the accompanying drawings, wherein:

Figure 1 is a side elevational view of the diaper, constructed according to the principles of this invention, showing the filler patch stitched thereto;

Figure 2 is a transverse sectional view of the diaper showing the open end of the diaper;

Figure 3 is a plan view of an elongated blank forming the foundation layer for the diaper, and

Figure 4 is a plan view of the blank, utilized to form the filler patch.

This invention relates to a diaper, having a filler patch or insert stitched thereto, which renders the diaper more efficient in use and more absorbent and durable.

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It is well known that a soiled diaper allowed to remain about the body of an infant will produce a rash and other more serious and complicated body injury and also will work an inconvenience on both the child and the nurse or mother. However, it is not always possible to become immediately apprised of the fact that the diaper is soiled and moreover, to change the soiled diaper at the opportune time.

Therefore, it is the main purpose of this invention to obviate the possibility of any vital injury occurring to the child, due to the wearing of the soiled diaper, by providing a diaper having a filler patch or insert, which adds a desired absorbent thickness to the diaper and which will add to the baby's comfort.

Also, it is the purpose of this invention to simplify and facilitate the laundering operation, which, of necessity, must be one of a continuing nature. At the present time, the majority of diapers are obtained from a diaper rental service and this diaper is designed and adapted for use in connection with such a service. The diaper is constructed to facilitate the laundering counting and folding operations performed by the rental service, and will also serve as a container or bag for retaining soiled diapers.

Referring to the drawings, wherein similar characters of reference refer to similar parts throughout, and in particular to Figure 3 thereof, where there is illustrated an elongated blank forming the foundation layer 10 of the diaper, generally denoted by the character reference 12. The foundation layer 10 is of a substantially rectangular shape formed of suitable absorbent material, such as cotton or rough linen or the like.

The foundation layer 10 is transversely or crosswise scored as at 14, which defines the front and rear longitudinally extending sections, 16 and 18, respectively. The opposing longitudinal side edges 20 and 22 of the front section 16 extend lengthwise and taper inwardly adjacent the score line 14. Likewise, the opposing longitudinal side edges 24 and 26 of the rear section 18 taper inwardly and converge with the respective side edges of the front section 16 at the crosswise juncture point formed by the transverse scoring 14.

As shown in Figure 4 of the drawings, the filler patch or insert section 28, of a similar material as that of the foundation layer, is transversely or crosswise scored as at 30. The transverse score line 30 forms the front and rear extending sections 32 and 34, respectively. The opposing longitudinal side edges 36 and 38 of the rear section

34 extend or taper outwardly to a point adjacent the transverse scoring 30. Similarly, the opposing longitudinal sides 40 and 42 of the rear section 32 extend outwardly and contact or connect with the side edges 36 and 38 at the juncture point of the score line 30.

In forming the diaper, shown fully constructed in Figures 1 and 2 of the drawings, the rear section 32 of the filler patch or insert section 28 is folded on the crosswise scoring 30 and is pressed against the surface of the front section 34.

The folded sections 32 and 34 of the insert are then sewed or suitably stitched to the front section 16 of the foundation layer, as clearly seen in Figure 1 of the drawings. The insert is stitched as at 44 to the rear section 18 with the score line 30 of the filler patch or insert section positioned in spaced proximity from the free edge of the rear section 18. It will be noted that all edges of the filler patch are secured to the rear section except the edge defined by the score line 30 to form a pocket.

The foundation layer is then folded on the score line 14, so that the front and rear sections 16 and 18 are brought together, with the filler patch sandwiched in between. The longitudinally extending side edges 20 and 26 of the foundation layer are then turned inwardly and suitably stitched as at 46. Likewise, the sides 22 and 24 of the foundation layer are turned inwardly and stitched lengthwise to the open end as at 48. The stitching 46 and 48 extends only through the in-turned side edges of the front and rear sections 16 and 18.

It can thus be seen that there is provided a simple and inexpensive diaper, which will be efficient and durable in operation, which has a better absorbent quality and will be more simple to handle and to remove and place on an infant and will be more easily laundered and folded.

It is believed that the foregoing description, when pursued in the light of the accompanying drawings, is of a sufficient nature to enable those skilled in the art to comprehend the structure and objectives of this invention and, therefore, a more detailed description is not believed necessary.

Since many other uses and changes will become apparent to those skilled in the art, upon examination of the description and the accompanying drawings, it is understood that such is not meant by way of limitation, but that certain changes in style, structure and size may be effected without departure from the spirit of this invention and within the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A diaper comprising an elongated foundation layer scored crosswise between its opposing ends defining a front and rear section, a filler patch including a substantially rectangular blank transversely scored midway its opposing ends to define end sections folded on the score line upon themselves, said filler patch being stitched at its side edges and its edge remote from its score line to the rear section with the score line thereof in juxtaposition to the free edge of the rear section, said scoring on the foundation layer constituting a closed end with the adjacent side edges of the rear and front sections being stitched together, said foundation layer having an open end with the filler patch having an open end adjacent to said open end.

2. A diaper comprising an elongated foundation layer which tapers from each of its opposite ends to its transverse median which divides the layer into front and rear sections, a pocket forming filler patch comprising a substantially rectangular layer tapering from its transverse median to its opposite ends, said rectangular layer being folded upon itself along its transverse median and positioned on the rear section with the edge of the patch defined by the fold line thereof parallel to the free end of the rear section and the other three edges of the patch stitched to the rear section to form a pocket therewith opening at the fold line edge of the patch, said foundation layer being folded upon itself along its transverse median and the front and rear sections being stitched together along the side edges thereof with the patch being disposed between the sections.

3. The combination of claim 2 wherein the side edges of the patch are parallel and spaced from the adjacent side edges of the folded foundation layer.

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