

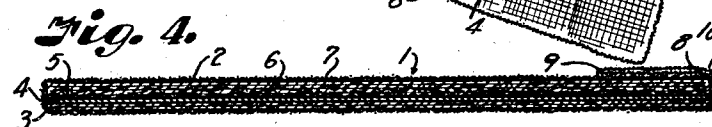
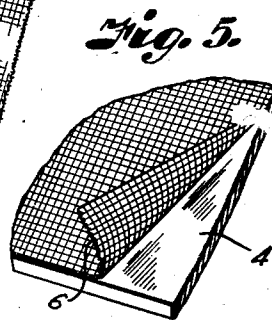
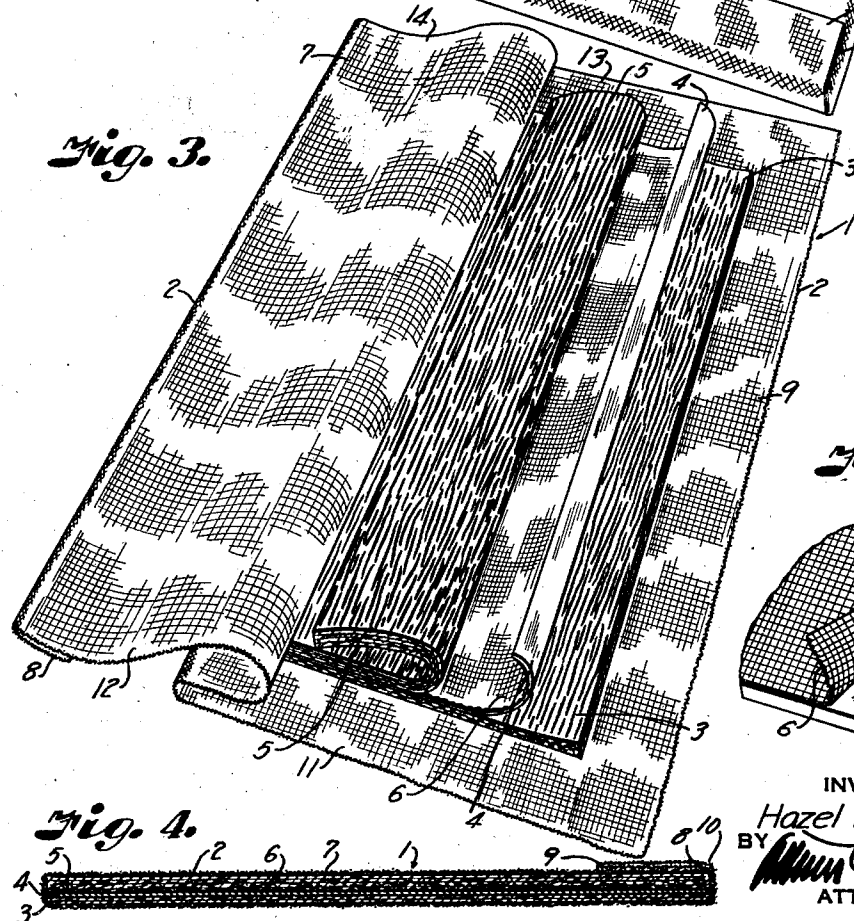
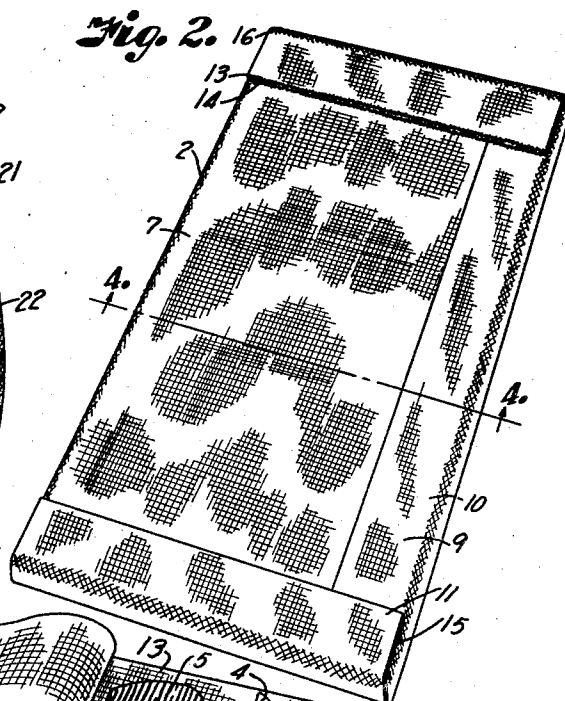
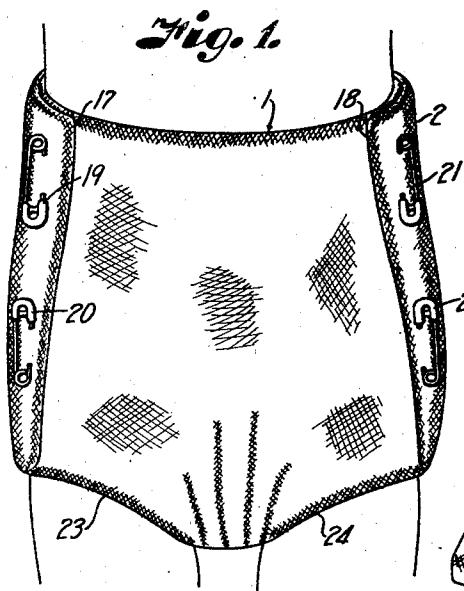
Aug. 28, 1934.

H. B. GRANT

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DIAPER

Filed June 10, 1933



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UNITED STATES PATENT OFFICE

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DIAPER

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2 Claims. (Cl. 128—284)

My invention relates to bandages, and more particularly to those of the "throw-away" type, the principal object of the invention being to provide a protective covering, so economically constructed as to warrant disposal thereof after one application.

Other important objects of the invention are to provide a comfortable garment for infants, to provide a water-proof diaper making for sanitation and protection of the infant's outer garments or objects with which the infant might come in contact, to eliminate stitching and other expensive embellishments tending to increase the cost of such garment, and to eliminate the cost and labor of laundering the garment after use.

In accomplishing these and other objects of the invention, I have provided improved details of structure, the preferred form of which is illustrated in the accompanying drawing, wherein:

Fig. 1 is a perspective view of the diaper constructed in accordance with my invention and applied to a child.

Fig. 2 is a perspective view of my improved bandage folded and ready for application.

Fig. 3 is a detail, perspective view of my improved bandage showing the several parts thereof.

Fig. 4 is a transverse, vertical, cross-sectional view of my invention on the line 4—4, Fig. 2, illustrating the parts thereof in assembled condition.

Fig. 5 is an enlarged, fragmentary, detail, perspective view of my invention illustrating the water-proofing element and its reinforcement.

Referring more in detail to the drawing:

1 designates a garment constructed in accordance with my invention and shown for infant's use, which includes a pliable fabric cover 2 of rectangular shape, upon which is placed a suitable absorbent filler, preferably in the form of layers of fibrous composition, for example cellulose, having less surface area than the cover so that marginal edges of the cover are left free to overlap the fibrous layers, when the cover is folded.

In the present instance, I have found it desirable to provide a layer 3 of said composition separated by a water proofing element 4, of moisture-proof regenerated cellulose foil, from a plurality of layers 5 of the cellulose.

The moisture-proof regenerated cellulose foil 4 is provided with a reinforcing element 6 of gauze or cheese cloth, which is fixed to the moisture-proof regenerated cellulose foil by a suitable adhesive to prevent breaking or tearing of the cellophane, as clearly illustrated in Fig. 5.

The preferable assembly and application of the garment is as follows:

The cover 2 is laid out flat and a layer 3 of filler placed over a portion thereof. A layer of reinforced moisture-proof regenerated cellulose foil 4 is then placed upon the filler 3, followed by a plurality of layers 5 of filler.

The portion 7 of the cover is then folded over the respective layers and then back upon itself, as at 8, to substantially align with the opposite marginal edge 9 thereof. The opposite edge 9 is then folded over all the layers, as indicated at 10, Fig. 2.

The marginal end edges 11, 12 and 13, 14 of the blank 2 are then folded over the layers and cover, as at 15, and 16, Fig. 2 to complete the bandage.

In applying the garment, the bandage is passed between the child's legs, drawn up over the child's stomach and back and the side edges folded over each other, as at 17 and 18, after which they are secured in place by fastening devices 19, 20 and 21, 22, Fig. 1, it being evident that the child's legs will extend through openings 23 and 24 provided by folding the diaper at its mid-section.

It is obvious that while I have provided a filler layer outside the water proofing element and a plurality of layers inside the water-proofing element, as applied to a child, for the purposes of providing a securing body and an absorbent body, respectively, more layers may be inserted should necessity demand. The outer layer of cellulose composition also tends to prevent possible irritation and quiets any rustling sound of the regenerated cellulose foil.

It is also obvious that the garment extends sufficiently upwardly upon the child's body to provide a protective stomach band.

It is, therefore, apparent that I have provided a water-proof garment, very simple in construction and composed of materials which make disposal of the bandage practical after use, thereby saving the expense and labor of laundering the garments.

What I claim and desire to secure by Letters Patent is:

1. The combination in a child's diaper of the character described of a plurality of superimposed rectangular shaped layers of soft absorbent cellulose material, a layer of flexible gauze-reinforced water-proof regenerated cellulose foil of size and shape substantially similar to the cellulose layers superimposed on the cellulose layers to form a water-proof backing which supports and strengthens the cellulose layers, a plu-

	ality of layers of cellulose material similar in size and shape to the first named cellulose layers and superimposed on the reinforced water-proof regenerated cellulose foil for covering the same	absorbent cellulose material, a layer of flexible gauze-reinforced water-proof regenerated cellulose foil of size and shape substantially similar to the cellulose layers and on which the cellulose layers are superimposed, said water-proof regenerated cellulose foil forming a water-proof backing which supports and strengthens the cellulose layers, and the latter being interposed between the flexible gauze-reinforced water-proof regenerated cellulose foil and the body of the wearer, and a covering of gauze for the layers of absorbent cellulose material and the layer of gauze-reinforced water-proof regenerated cellulose foil.	80
5	to prevent contact thereof with the body of a wearer, and a rectangular sheet of gauze folded at a point substantially in the center thereof to form flaps covering the exposed faces of said cellulose layers and having side and end edges		
10	spaced from corresponding edges of the absorbent layers and back-folded over one of the flaps to retain all of said layers in superimposed position.		85
15	2. A child's diaper including a plurality of superimposed rectangular shaped layers of soft	HAZEL B. GRANT.	90
20			95
25			100
30			105
35			110
40			115
45			120
50			125
55			130
60			135
65			140
70			145
75			150