

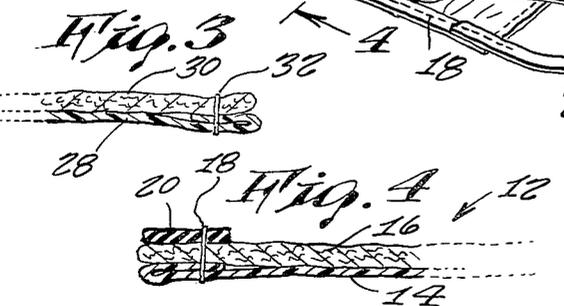
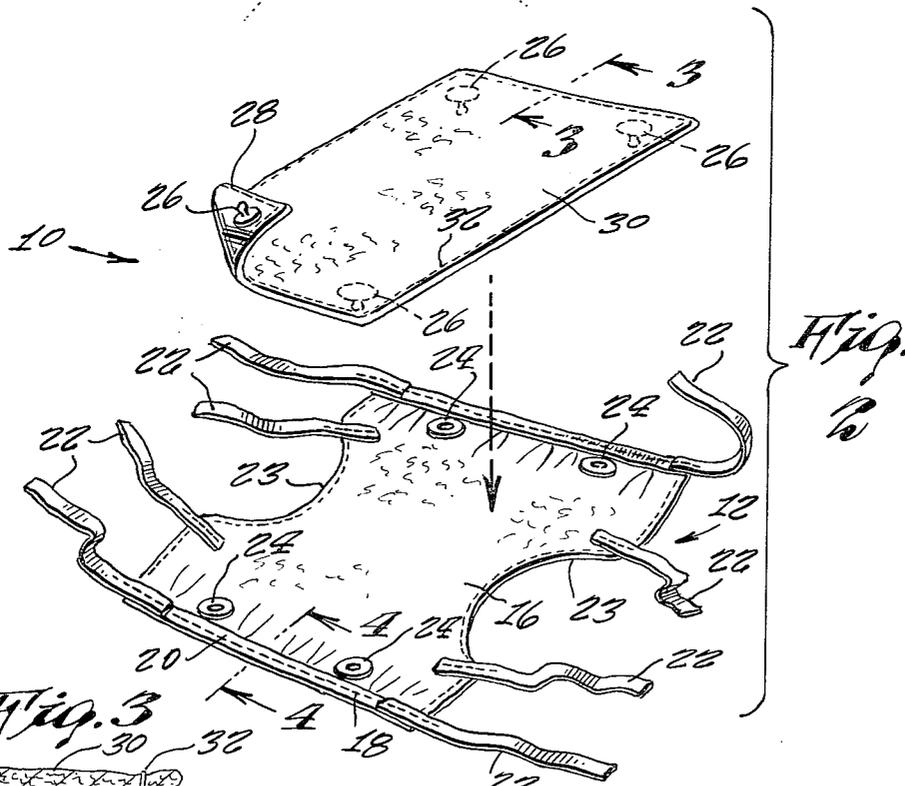
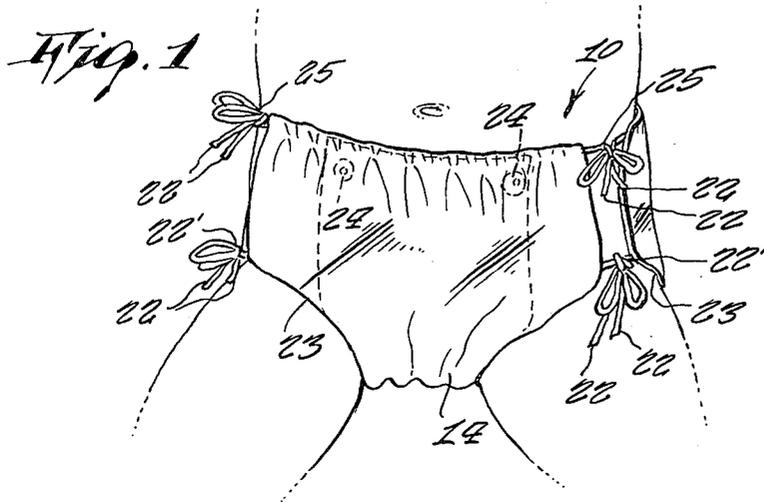
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DISPOSABLE DIAPER AND RUBBER PANTY

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DISPOSABLE DIAPER AND RUBBER PANTY
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1 Claim. (Cl. 128-287)

This invention relates to diapers and more particularly to a refillable diaper for use by infants and invalids.

It is an object of the present invention to provide a combination disposable diaper and rubber panty which can be conveniently constructed for use by invalids and infants, in which the tie means are adapted to extend around braces, surgical appliances, and the like to provide a snug and comfortable fit at all times.

Still another object of the present invention is to provide a refillable diaper assembly of the type described having a disposable inner absorbent pad which can be conveniently disposed of after each use, and which can be replaced by a new inner liner with the same outer cover which may be used continuously for an extended period of time.

Still a further object of the present invention is to provide a refillable diaper assembly of the above type which can be manufactured in large quantities at a relatively low cost, and can be conveniently made in any desired size for all types of use.

All of the foregoing and still further objects and advantages of this invention will become apparent from a study of the following specification, taken in connection with the accompanying drawing, wherein:

FIGURE 1 is a front view of a refillable diaper assembly made in accordance with the present invention in actual use;

FIGURE 2 is an exploded perspective view of the assembly shown in FIGURE 1;

FIGURE 3 is a fragmentary transverse cross sectional view of certain parts of the device shown in FIGURE 2; and

FIGURE 4 is an enlarged fragmentary cross sectional view taken along line 4-4 of FIGURE 2.

Referring now to the drawing, a refillable diaper assembly 10 made in accordance with the present invention is shown to include an outer cover 12 having a flexible water impervious sheet 14, preferably of plastic material, of generally symmetrical shape. To the inside surface of the outer cover 14, is secured an absorbent layer 16, such as by elastic stitches 18, which also secure reinforcement strips 20 to the opposite ends thereof. To each reinforcement strip 20 is secured a pair of tie strings 22, and additional tie tabs 22 are secured to the sides of the cover intermediate the opposite ends thereof. Also, intermediate the opposite ends of the outer cover are a pair

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of elastic leg receiving cutouts 23, within which the leg of the wearer extends. When applied, the innermost set of tie tabs 22 form a lower knot 22' on each side of the assembly, whereas the end tabs 22 form an upper knot 25 on each side, as shown in FIGURE 1.

A plurality of female snap fastener elements 24 are secured to the outer cover and releasably engage with mating male snap fastener elements 26 carried by a disposable filler member 30 having a plastic, water impervious sheet 28 facing the absorbent layer 16 of the outer cover, and an absorbent inner layer 30 next to the body of the wearer.

In actual use, a filler unit is placed within the outer cover and applied to the body, as shown in FIGURE 1. When the filler becomes soiled, such as by a bladder or bowel movement, such filler may be conveniently disposed of and a new filler snapped into place within the outer cover 12, so that the assembly may be again applied for use. The outer cover is disposable in the sense that it is disposed of after it has become soiled or used several times by the user. The filler, however, is disposed of after each use. This arrangement minimizes the expense of such assembly, while providing for cleanliness and maximum comfort at all times.

While this invention has been described with particular reference to the construction shown in the drawing, it is to be understood that such is not to be construed as imparting limitations upon the invention, which is best defined by the claims appended hereto.

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

A refillable diaper comprising, in combination, an outer cover having tie means for securing the diaper to the body of a wearer, a disposable filler to be connected to the cover, the cover and filler each having an absorbent inner layer and a water impervious outer layer, a plurality of fastener members connected to the inner absorbent layer of the cover, and a plurality of fastener members connected to the outer water impervious layer of the filler releasably engaging the fastener elements of the inner cover layer to releasably connect the filler to the cover.

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