

Jan. 19, 1960

H. H. LERNER
DIAPER COVERS OR PANTIES

2,921,583

Filed Dec. 24, 1956

2 Sheets-Sheet 1

FIG. 1

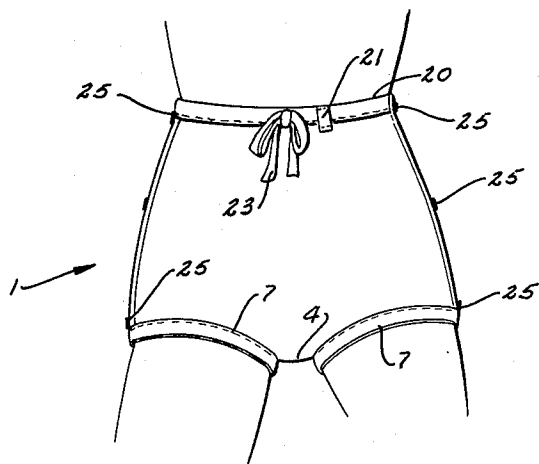
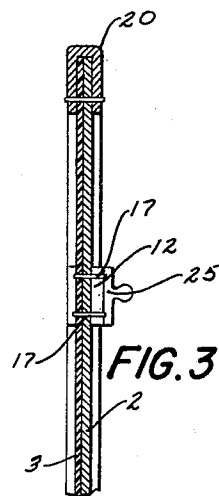


FIG. 3

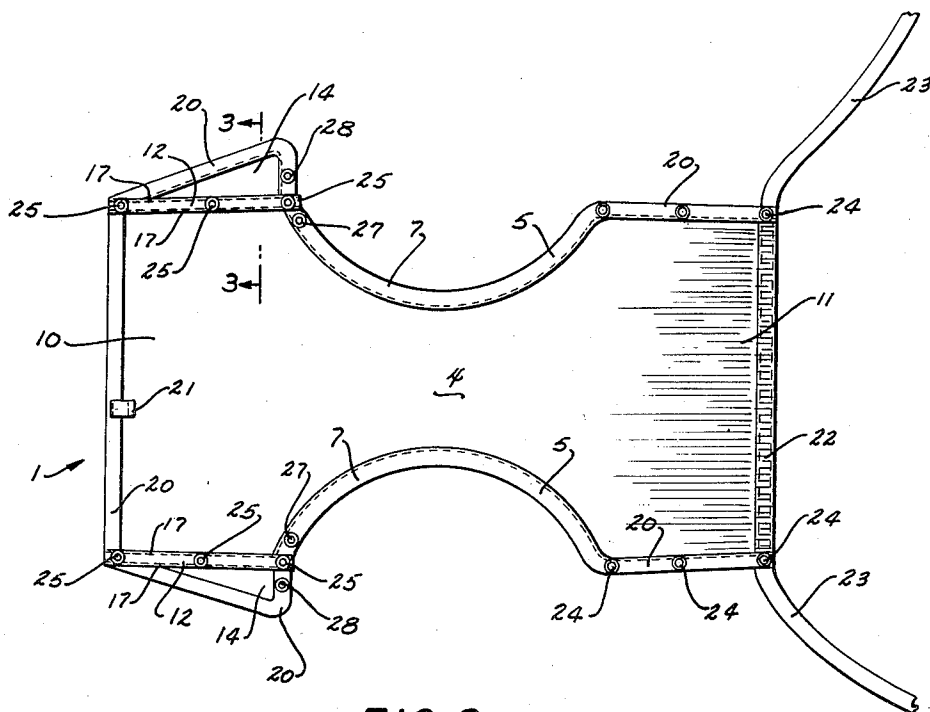


FIG. 2

INVENTOR.
HARRY H. LERNER

BY *Harry J. R. Metzger*
ATTORNEY

Jan. 19, 1960

H. H. LERNER

2,921,583

DIAPER COVERS OR PANTIES

Filed Dec. 24, 1956

2 Sheets-Sheet 2

FIG. 4

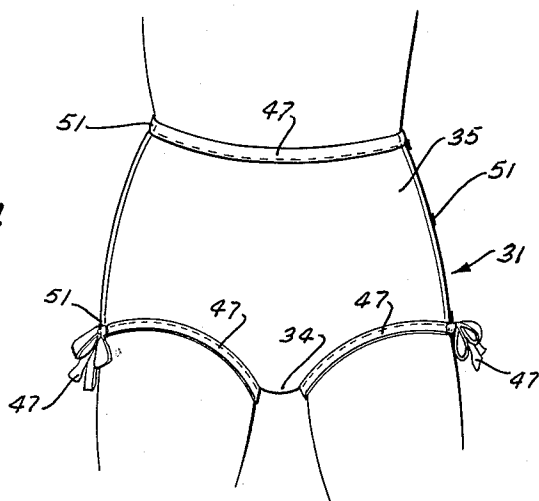
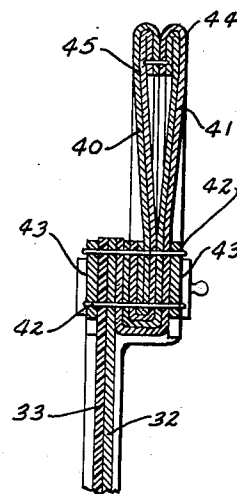


FIG. 6

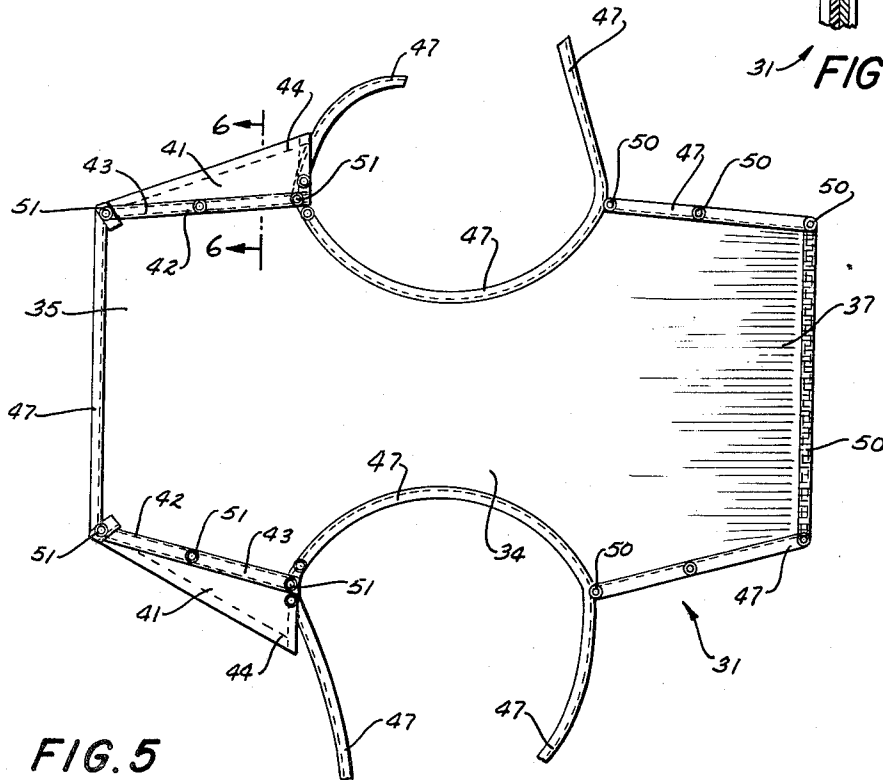


FIG. 5

INVENTOR.
HARRY H. LERNER
BY *Harry J. Matzler*
ATTORNEY

1

2,921,583

DIAPER COVERS OR PANTIES

Harry H. Lerner, New York, N.Y.

Application December 24, 1956, Serial No. 630,233

1 Claim. (Cl. 128—287)

The present invention relates to improvements in undergarments and, more specifically, to a new and improved garment worn over a diaper or padding on the lower portion of a person's body. It is intended primarily for incontinent patients, postoperative, maternity and chronic cases in hospitals, convalescent centers, nursing homes and the like, as well as for ambulatory, helpless, selfsufficient, or bedridden adults or children.

One object of the present invention is the provision of a device of the character described which constitutes a comfortably fitted, adjustable, washable outer protector for clothing and bedding, which will not bind and has no pins or the like, and which will not irritate reclining patients.

Another object of the present invention is the provision of a device of the character described which is so constructed as to permit a patient to don it without help and to remove it easily, reclining or standing, in a few seconds, and which saves nurses and attendants time and labor because it makes emergency changing of bed linen and clothing unnecessary, and usually allows patients to change themselves any padding or the like worn beneath my new and improved diaper cover; said cover, not being a bloomer but still fully encompassing any padding or diaper worn beneath it, is more easily put on and taken off than a bloomer or ordinary panties.

A further object of the present invention is the provision of a device of the character described which is boilable and durable, and has no parts which might damage mechanical laundry equipment; it also is comfortable to wear, light in weight, and simple in construction, so that it can be manufactured relatively inexpensively.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claim, it being understood that changes may be made in the construction and arrangements of parts without departing from the spirit of the invention as claimed.

In the accompanying drawing a preferred form of the invention has been shown.

In said drawing:

Figure 1 is a perspective view showing a preferred embodiment of my invention in use;

Fig. 2 is a plan view of the flattened, unfolded embodiment of Fig. 1;

Fig. 3 is an enlarged fractional sectional view on the line 3—3 of Fig. 2;

Fig. 4 is a perspective view of a modification in use;

Fig. 5 is a plan view of the flattened, unfolded modification of my invention of Fig. 4; and

Fig. 6 is an enlarged fractional sectional view on the line 6—6 of Fig. 5.

Similar reference characters refer to similar parts throughout the several views.

Referring first to Figs. 1 and 2, the numeral 1 denotes

2

a sheet of fabric material, which preferably is made of a thin outer layer 2 (Fig. 3) of nylon or the like to which is secured a thin inner layer 3 of waterproof material, such as plastic material or the like. The outer layer 2 is bonded to the inner layer 3, so that both layers form one thin sheet of boil-proof, lightweight material. The sheet 1 has a reduced crotch portion 4 with curved edge sections 5 which are reinforced by strips 7.

The sheet 1 has a trapezoid-shaped front portion 10 and a substantially rectangular back portion 11. The trapezoid-shaped portion 10 is subdivided by a pair of parallel strips 12 into a substantially rectangular inner section and a pair of triangular outer sections 14. The strips 12 are attached to the outer side of the sheet 1 by means of parallel rows of stitches 17. Strips 20, which are continuations of the strips 7, and which—like the strips 7—are U-shaped in cross-section (Fig. 3), are secured to the outer edges of the portions 10 and 11 by means of sewing or the like, as edge reinforcements, all around said portions 10 and 11. A loop 21 preferably is provided at the outer side of the portion 10, and an elastic band 22 is secured to the upper edge of the portion 11, which is somewhat pleated, so that it can be expanded when expanding the band 22. Long ribbons 23 are secured to, and extended from the outer corner sections of the portion 11 at each end of the band 22, and snap fastener socket elements 24 are secured to the strips 20 along the vertical edges of the portion 11. Snap fastener ball elements 25, in registering alignment with the elements 24, are secured to the strips 12, so that the device can be closed on either side of the hips of the wearer's body, thus enclosing the same like a panty. Additional snap fastener ball elements 27 and 28 are secured to the strips 7 and 20 respectively, so as to allow an adjustment of the device around the wearer's thighs.

When donning my new and improved diaper cover, the portion 4 is placed between the wearer's legs, the portions 10 and 11 are pulled upwardly over the lower front and the back portions respectively of the wearer's body, and the snap fastener elements 24 and 25 are attached to each other along the wearer's hips; then the ribbons 23 are extended around the wearer's waist, at least one of the ribbons 23 is passed through the loop 21, and the ribbons 23 are tied together as may be seen in Fig. 1. When the device thus has been donned, the sections 14 and the portion 11 of the sheet 1 overlap each other.

According to the modification of Figs. 4, 5 and 6, a sheet 31 of the same material as the sheet 1 of Figs. 1 to 3 has an outer layer 32 of nylon or the like and an inner layer 33 of a waterproof material (Fig. 6). The sheet 31 has a crotch portion 34 as well as a trapezoid-shaped front portion 35 and a trapezoid-shaped back portion 37. Triangular flaps, each of which consists of a pair of small sheets 40 and 41 of the same or of a similar material as the sheet 31, are attached to the lateral edges of the portion 35 by means of pairs of rows of stitches 42 (Fig. 6), and strips 43 cover at both sides the joint and are also attached by means of the rows of stitches 42 to the sheets 31 and 41. The outer edge portions 44 of the sheets 40 and 41 are secured to each other by means of rows of stitches 45 and the sheets 40 and 41 are folded back upon them, as may be seen in Fig. 6. Strips 47, which are U-shaped as the strips 7 and 20 of Figs. 1 to 3, are secured as reinforcements to the outer edges of the portions 34, 35 and 37, and an elastic ribbon 50 is provided on the upper edge of the back portion 37, which is somewhat pleated. The strips 47 on the crotch portion 34 are at both ends extended beyond the same, so that they can be tied around a wearer's thighs as shown in Fig. 4. Snap fastening elements 50 and 51 are secured to the strips 47 on the por-

3

tion 37 and the strips 43 respectively, so that the edge portions of sheet 31 can be fastened to each other along the hips of the wearer, thus transforming the sheets 31 to a cover like a panty; thereby the flaps formed by the small sheets 40 and 41 being overlapped by the outer section of the portion 37 of the sheet 31.

Since certain changes may be made in the above article and different embodiments of the invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the following claim is intended to cover all of the generic and specific features of the invention herein described, and all statements of the scope of the invention which as a matter of language might be said to fall therebetween.

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

A diaper cover panty comprising a sheet of fabric material having a reduced center portion and end portions of which one is trapezoid-shaped while the other is rectangular; a water-proof layer bonded to one side of said sheet; parallel strips attached to the trapezoid-shaped portion of said sheet being extended from said crotch por-

4

tion to the outer extremity of the trapezoid-shaped portion; subdividing the same into a pair of triangular sections and a rectangular section intermediate said triangular sections; fastening means provided on said strips and on the edges of the rectangular portion of said sheet being constructed and arranged for attaching said strips to edge portions of said rectangular portion so as to form a panty-like garment of which said trapezoid-shaped portion covers a front portion of a person's body and said rectangular portion covers the rear portion of the same while the reduced center portion is extended between the person's legs; and adjustable fastening means provided at the ends of said reduced center portion of said sheet being adapted for tightening portions of the garment around a person's thighs; said triangular sections of the trapezoid-shaped portion of said sheet extending beneath sections of the rectangular portions of said sheet when the same is placed on a person's body as a garment.

References Cited in the file of this patent

UNITED STATES PATENTS

1,169,500	Leavitt et al. -----	Jan. 25, 1916
2,566,046	Weinstein -----	Aug. 28, 1951
2,633,132	Kligler et al. -----	Mar. 31, 1953
2,638,900	Gruenberg et al. -----	May 19, 1953