Jan. 8, 1935. E. GOODMAN 1,987,233

LADY'S UNDERGARMENT

Original Filed Jan. 18, 1933

Fig. 1.

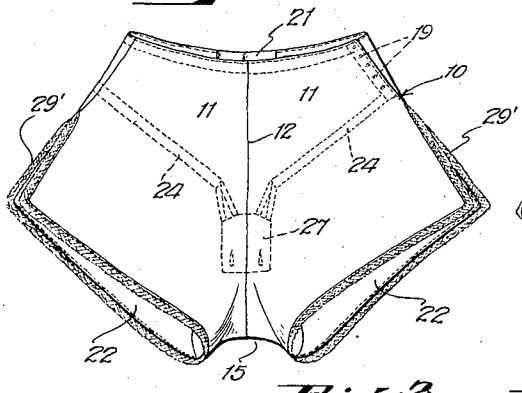


Fig. 2.

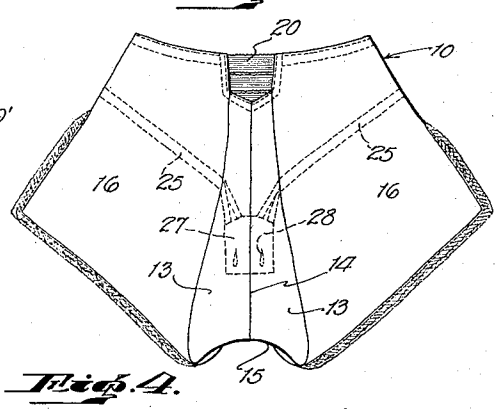


Fig. 3.

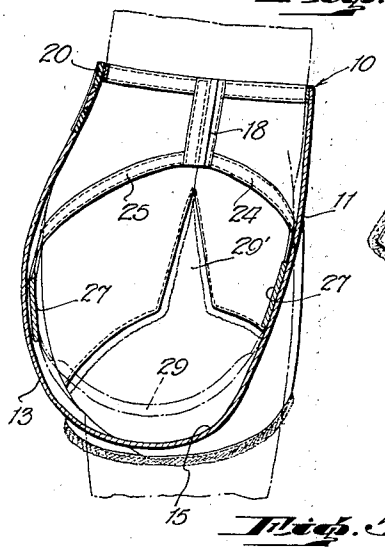


Fig. 4.

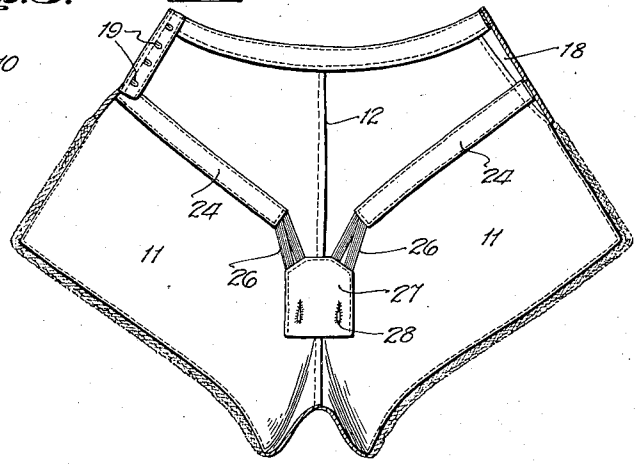


Fig. 5.

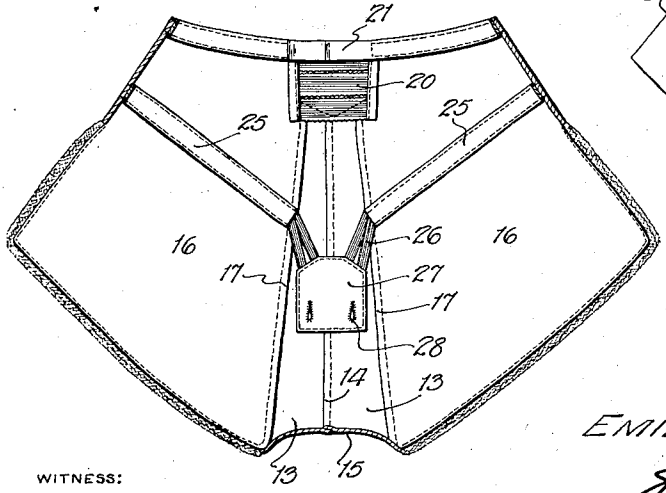
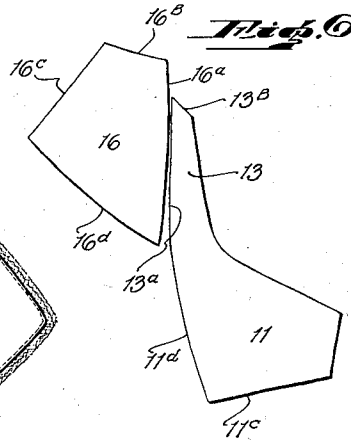


Fig. 6.



INVENTOR

EMILY GOODMAN.

BY

Ely & Pattison.

ATTORNEYS

WITNESS:

B. Hopton Lindy.

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LADY'S UNDERGARMENT

Emily Goodman, New York, N. Y.

Original application January 18, 1933, Serial No. 652,287. Divided and this application June 20, 1933, Serial No. 676,640

3 Claims. (Cl. 2—224)

This invention relates to improvements in ladies' undergarments for the purpose set forth in my co-pending U. S. patent application, Serial No. 652,287, filed January 18, 1933, of which this constitutes a divisional application thereof.

One of the objects of the invention resides in a lady's undergarment of the "pantee" or "step-in" type which is constructed in a manner to withstand the strains to which it may be subjected when combined with a sanitary pad supporting means.

Another feature of the invention is to provide a lady's undergarment having leg portions split at the sides to enable the wearer to reach within the garment and adjust a sanitary napkin which is adapted to be supported therein.

A further object of the invention is the provision of a garment having a gusset extending upwardly at the rear from the crotch portion to provide a fullness sufficient to compensate for the supporting and wearing of a sanitary napkin therebeneath and to eliminate revealing lines on the outside of close fitting outer garments.

A still further object is to provide a garment adapted to be supported from the waist of a wearer and which is buttonable at one side of the waist encircling portion, the said waist encircling portion having an elastic insert therein to enable the expansion of the waist encircling portion when buttoned to assure a positive support of the garment when in worn position without discomfort.

With these and other objects in view, the invention resides in the certain novel construction, combination and arrangement of parts, the essential features of which are hereinafter fully described, are particularly pointed out in the appended claims, and are illustrated in the accompanying drawing, in which:

Figure 1 is a front elevational view of my sanitary undergarment.

Figure 2 is a rear elevational view of the same.

Figure 3 is a vertical transverse sectional view therethrough showing the outline of a woman's body and a sanitary napkin in dot and dash lines.

Figure 4 is a vertical sectional view looking toward the front of the garment.

Figure 5 is a view similar to Figure 4 but looking toward the rear of the garment.

Figure 6 is a plan view of two pieces of material which form one half of the garment and illustrating the manner in which they are brought together for stitching.

Referring to the drawing by reference characters, the numeral 10 designates my improved undergarment in its entirety which in the drawing is shown as being of the panty or step-in type, although other styles of undergarment worn to cover the lower portion of the body and upper thighs of a wearer may be used in conjunction with the invention now to be explained. The garment 10 comprises a pair of front sections 11—11 stitched together at their meeting edges as defined by the seam 12. The front sections 11—11 are provided with extension portions 13—13 stitched together to form a seam 14. The extension portions 13—13 are looped to form a crotch portion 15 and the said extensions are stitched to the spaced adjacent edges of a pair of rear or back sections 16—16 at the seams 17—17. The front and rear sections 11 and 16 are stitched together at their outer side edges at the reenforcing seams 18, while a placket extends inwardly from the top edge of the garment at the left side and is closed by a hook and eye connection 19.

The rearwardly extending portions 13—13 terminate adjacent the top edge of the garment and interposed between the spaced rear sections 16—16 at the waist band are elastic straps or inserts 20. The expansion of these elastic inserts is limited by a flexible non-elastic tape 21 stitched to the adjacent edges of the sections 16—16 and which tape is normally provided with a slack to enable expansion or stretching of the garment at the waist portion but which serves to restrict or limit such expansion.

In Figure 6 of the drawing I have illustrated the manner in which the sections 11 and 16 are brought together for stitching and which form one-half of the finished garment. It will be seen that the outer side edge 13^a of the extension 13 is placed against the inner side edge 16^a, the bevelled end edge 13^b being disposed below the top edge 16^b of the section 16. By stitching these edges, the seam 17 is formed. The front section 11 is then folded over the section 16 to bring the side edge 11^c parallel to the side edge 16^c of the section 16 and which edges are stitched to form the seam 18. The edges 11^d and 16^d coact to form the edges of the leg openings 22. When the two sets of front and rear sections are so connected and joined, a space is left at the top of the gusset formed by the extension portions 13 and in which the elastic insert 20 is positioned.

From the description thus far, a garment of the panty or step-in type has been described which is provided with leg openings 22, and a waist encircling portion 23 whereby the garment when in worn position upon a wearer, is sup-

ported from the wearer's waist. The garment may be donned or removed by the opening of the placket closed by the hook and eye connection 19. The elastic insert 20 serves to snugly hold the garment about the waist of the wearer.

Stitched to the front sections 11—11 and the rear sections 16—16 of the garment are sets of diagonally disposed non-elastic tapes 24 and 25 respectively. These tapes extend downwardly from the hip portion of the garment in converging relation and the tapes of each set terminate in spaced relation to each other. The lower ends of the tapes 25 terminate at the seams 17 as best seen in Figure 5 of the drawing. Secured at the lower end of the sets of tapes 25 and 26 are sets of upwardly converging elastic straps 26 and to which fabric tabs 27 are connected, the said tabs having openings or holes 28 provided therein. Thus it will be seen that attaching tabs 27 are provided within the garment at the front and rear thereof to which a sanitary napkin such as shown in dotted lines in Figure 3 of the drawing at 29 may be pinned or if desired the ends of the napkin may be inserted through the openings 28 and tied.

When forming the gusset consisting of the extension portions 13, the same is so constructed as to produce a fullness sufficient to compensate for the rear attaching tab 27 so that when the garment is in a worn position upon a wearer, the impression of the tab or connection of the sanitary napkin will not be visible from the outside of the garment.

For the convenience of adjusting the napkin 29, the sides of the garment are provided with slits or openings 29′ whereby the wearer may reach into the garment without lowering or removing the same.

When a sanitary napkin is in position and the garment is upon a wearer, the wearer is assured of free body movements, and any strains or pull due to such movements upon the tabs 27 is compensated for by reason of the elastic straps 26. The garment is also relieved of the strain of pull due to the fact that the reenforcing strips 24 and 25 extend to the reenforced hip portion of the garment and the pull is upon the hips of the wearer rather than upon the waist portion of the garment. Thus the body movements will not tend to cause the garment to work downward upon the body of the wearer. After the garment is once adjusted together with the sanitary napkin supported thereby, the same will remain in such adjusted position.

The diagonal strips 24 and 25 serve to reinforce the front and back of the garment to prevent tearing thereof under normal conditions, that is, when the garment is worn without the napkin, and any pull thereon by reason of the body movements of the wearer is transmitted to the hip portions.

Wherein I have shown and described what I deem to be the most desirable embodiment of my invention, I wish it to be understood that such changes as come within the scope of the appended claims may be resorted to if desired.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent of the United States, is:

1. A lady's undergarment for covering the lower body and thighs of the wearer comprising a pair of leg portions, each of said leg portions including a back section and a front section, the front section having an extension with the outer edge thereof in continuation with the bottom edge of the front section, said outer edge of the extension being attached to the inner edge of the back section, the front section being folded at its junction with the extension and stitched to the outer edge of the back section to form a side seam, and the meeting inner edges of the said extensions, and the outer edges of the extensions and the adjacent edges of the back sections being respectively stitched together to form a completed garment.

2. A lady's undergarment for covering the lower body portion and thighs of a wearer comprising a pair of spaced apart back sections and a pair of front sections, each of said front sections including an extension having one of its edges in continuation with the bottom edge of its associated front section, said edges of the extensions being secured to the respective back sections, and said extensions being also attached to each other to form a filler for the space between the back sections, the portions of the front sections remote from the extensions being folded at the junction of the extensions to form the crotch of the garment, the adjacent edges of the front sections being secured together to close the front of the garment, and another edge of the front sections being secured to the respective back sections to form the hip seams.

3. A lady's undergarment for covering the lower body portion and thighs of a wearer comprising a pair of spaced apart back sections and a pair of front sections, each of said front sections including an extension having one of its edges in continuation with the bottom edge of its associated front section, said edges of the extensions being secured to the respective back sections and said extensions being also attached to each other to form a filler for the space between the back sections, the portions of the front sections remote from the extensions being folded at the junction of the extensions to form the crotch of the garment, the adjacent edges of the front sections being secured together to close the front of the garment and another edge of the front sections being secured to the respective back sections to form the hip seams, the upper ends of said extensions terminating short of the upper edge of the garment to form a notch, a normally slack inelastic member bridging the side edges of the notch, and an elastic insert connecting the edges of the notch.

EMILY GOODMAN.