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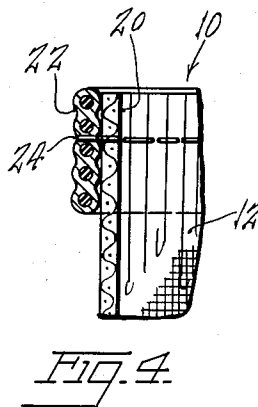
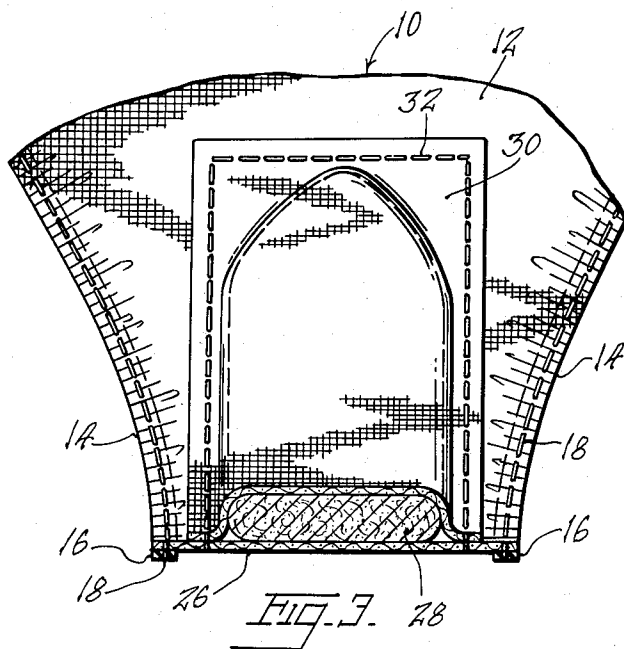
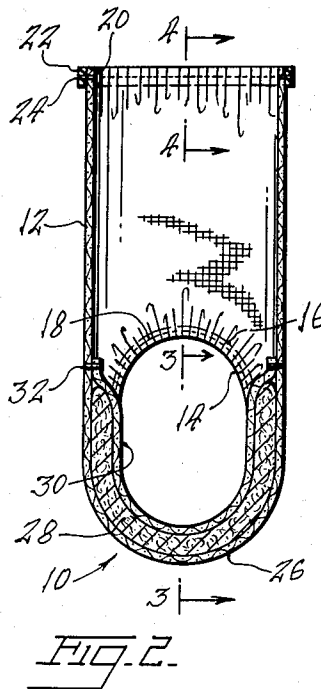
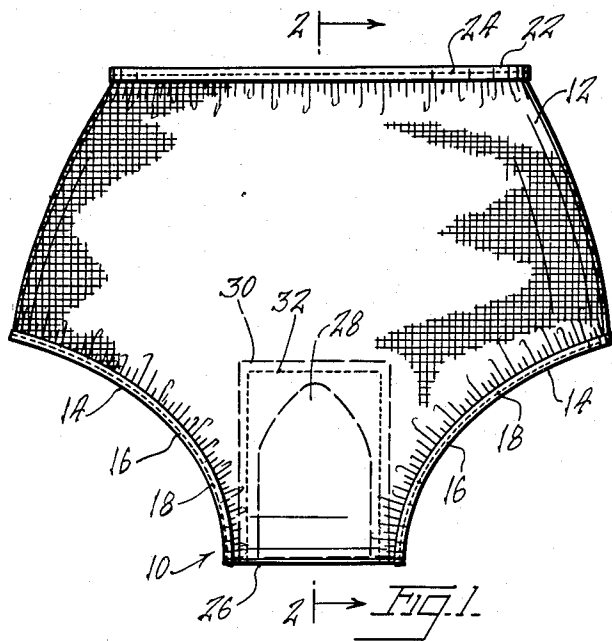
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2,748,772

DISPOSABLE COMBINED PANTIE AND SANITARY NAPKIN

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2 Sheets-Sheet 1



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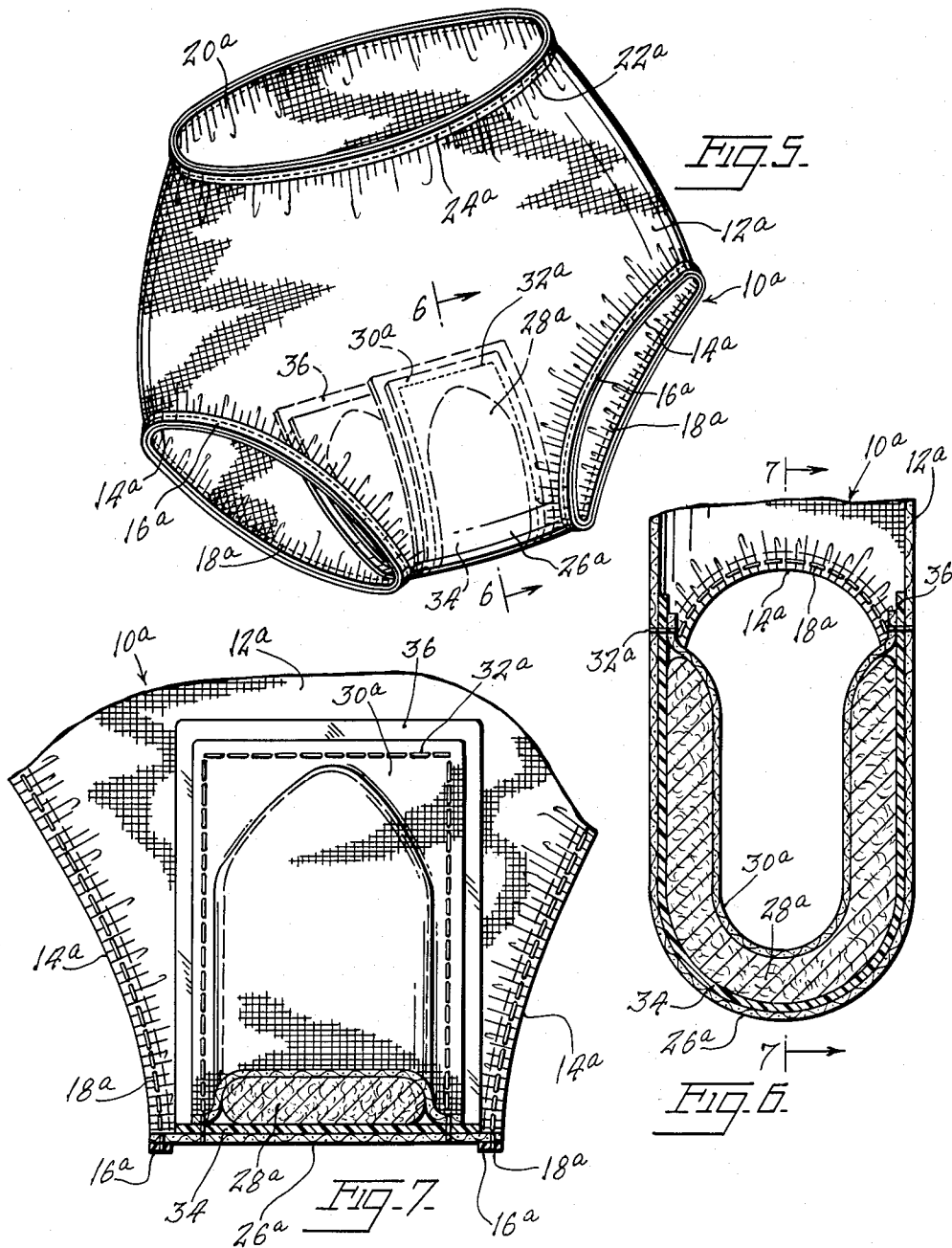
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DISPOSABLE COMBINED PANTIE AND SANITARY NAPKIN

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DISPOSABLE COMBINED PANTIE AND SANITARY NAPKIN

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3 Claims. (Cl. 128—288)

This invention relates to a combination lady's pantie and sanitary napkin, comprising a unitary article of inexpensive material that can be disposed of readily in its entirety after use.

One important object of the invention is to combine in a single article the functions now discharged by the separately manufactured, conventional sanitary napkin, napkin-supporting belt, and pantie. To this end, the invention, summarized briefly, comprises a pantie formed of a very inexpensive cloth material, so that it can be discarded after a single use, having a pocket-like crotch portion in which is wholly enclosed, during the manufacture of the pantie, a sanitary napkin.

Another object is to so form the crotch portion as to insure the ready penetration of the menstrual discharge through the wall thereof, so that said discharge will be immediately absorbed by the contained napkin.

A further object, in at least one form of the invention, is to incorporate in said crotch portion a piece of flexible material, such as thin plastic, having the characteristic of impenetrability by liquid, thus to insure against passage of the menstrual discharge fully to the outer wall of the crotch portion, that is, to the body portion of the pantie in which the napkin is supported.

Another object is to so form the liquid-proof piece of material relative to the inner wall of the crotch portion as to hold said inner wall completely out of contact with the outer wall of the crotch portion, thus to eliminate the possibility of soiling of the body portion of the pantie by contact with said inner wall, when the menstrual discharge is heavy.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a front elevational view of a disposable pantie and sanitary napkin combined, formed in accordance with the invention.

Fig. 2 is a transverse sectional view therethrough taken on line 2—2 of Fig. 1.

Fig. 3 is an enlarged, detail sectional view through the crotch portion on line 3—3 of Fig. 2.

Fig. 4 is a detail sectional view, the scale being still further enlarged, through the waistband of the pantie, substantially on line 4—4 of Fig. 2.

Fig. 5 is a perspective view of a modified form.

Fig. 6 is an enlarged, transverse sectional view through the crotch portion of the modified pantie, substantially on line 6—6 of Fig. 5.

Fig. 7 is a sectional view on line 7—7 of Fig. 6.

In the form of the invention shown in Figs. 1—4, the pantie has been designated generally at 10, and includes a body portion 12 shaped to encircle the hips of the wearer, and having leg openings 14. The body portion

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12 is formed throughout from low cost cloth material, such as open mesh, thin, cheese-cloth, thus to permit the discarding of the same after a single use.

About each leg opening extends a length of elastic 16, sewed to the edge portion of the leg opening by stitching 18. The elastic 16 is preferably thin, low cost elastic ribbon material, that need not be characterized by its durability, since its resiliency is not expected to last beyond a single wearing of the undergarment.

The waist opening 20 of the body portion 12 is also edged throughout its circumference with an elastic band 22 of material similar to the leg bands 16, stitched throughout the waist circumference to the body portion 12 as at 24.

The crotch portion of the pantie has been designated at 26, and is of a minimum width at its midlength or bight part only slightly greater than the width of a conventional sanitary napkin 28 supported in said crotch portion and formed by the crotch portion to a U-shape as shown in Fig. 2. The napkin 28 is held in place by an inner wall 30 of the crotch portion, of the same material as the body portion 12, and stitching 32 is applied throughout the periphery of said inner wall, extending about the napkin and passing through the marginal area of inner wall 30 and through the body portion 12. Thus, the crotch of the body portion forms the outer wall of a pocket, with the inner wall 30 cooperating with the outer wall to completely enclose the napkin 28 therein.

By reason of the arrangement, it is not necessary to use the conventional napkin-supporting belt, and further, during the menstrual period panties of a conventional nature, which are comparatively expensive as compared to that illustrated, are not used.

As a result, the inconvenience normally attendant upon the changing of sanitary napkins, when used in association with a conventional belt and pantie, is eliminated. Further, there is also eliminated the possibility of soiling one's regularly worn pantie undergarment, which soiling may sometimes occur in the event of a particularly heavy menstrual discharge. Instead, after the napkin 28 has become soiled, the entire article is disposed of.

In Figs. 5—7, a modified pantie 10^a is shown, which is similar to the first form in respect to having a pantie body portion 12^a of inexpensive cloth material, having leg openings 14^a edged with elastic 16^a, and a waist opening 20^a edged with elastic 22^a. In this form, the crotch portion 26^a of the body portion 12^a is protected by an elongated, generally rectangular, flexible, liquid-proof element 34, formed of thin plastic or the like. The member 34, after being positioned within the crotch portion 26^a, is secured inwardly of its edge 36 to said crotch portion 26^a, by a continuous line of stitching 32^a extending through the full marginal area of the liquid-proof member. The stitching 32^a also passes through the edge portion of the inner wall 30^a, which is formed of material similar to that used in forming the body portion 12^a. A napkin 28^a is confined in the wholly closed pocket defined between the member 34 and the inner wall 30^a.

It will be noted from Figs. 6 and 7 that the width and length of the member 34 are greater than those of the inner wall 30^a. The edge portion 36 of member 34 is thus disposed outwardly from the edge portion of member 30^a. The result is that the member 30^a is held wholly out of contact with the body portion 12^a of the pantie, and accordingly, should the inner wall 30^a become wholly saturated with the discharge, it cannot soil the outer wall of the crotch portion, that is, the body part of the pantie.

It will be readily perceived that an inexpensive combination article of the type illustrated and described herein can be readily packaged in minimum area, due to its construc-

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tion from thin, open mesh cloth material. The article can thus be sold in a package containing a number of identical combination panties and sanitary napkins, at a cost little greater, considering the advantages derived from the illustrated construction, than that of the napkins themselves.

While we have illustrated and described the preferred embodiments of our invention, it is to be understood that we do not limit ourselves to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

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

1. A combination article of the class described comprising a body portion formed as a pantie and having a waist opening and leg openings, said leg openings defining a crotch part therebetween, a sanitary napkin supported upon said crotch part, and an inner wall overlying the napkin and secured to the crotch part, said inner wall cooperating with the crotch part to define a pocket in which the napkin is wholly contained, said body portion being formed throughout from a disposable fabric material, the inner wall being formed from a disposable material similar to that of which the body portion is constructed, said inner wall having an elongated, rectangular outer configuration with the edge of the inner wall being disposed beyond that of the napkin, said edge of the inner wall being stitched throughout the periphery of the inner wall to the crotch part, the stitching connecting the inner wall to the crotch part being disposed outwardly from the periphery of the napkin, said article further including a member impervious to the passage of liquid interposed between the napkin and crotch part.

2. A combination article of the class described comprising a body portion formed as a pantie and having a waist opening and leg openings, said leg openings defining a crotch part therebetween, a sanitary napkin supported upon said crotch part, and an inner wall overlying the napkin and secured to the crotch part, said inner wall cooperating with the crotch part to define a pocket in which the napkin is wholly contained, said body portion being formed throughout from a disposable fabric material, the inner wall being formed from a disposable material simi-

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lar to that of which the body portion is constructed, said inner wall having an elongated, rectangular outer configuration with the edge of the inner wall being disposed beyond that of the napkin, said edge of the inner wall being stitched throughout the periphery of the inner wall to the crotch part, the stitching connecting the inner wall to the crotch part being disposed outwardly from the periphery of the napkin, said article further including a member impervious to the passage of liquid interposed between the napkin and crotch part, said stitching passing through the edge portion of said member.

3. A combination article of the class described comprising a body portion formed as a pantie and having a waist opening and leg openings, said leg openings defining a crotch part therebetween, a sanitary napkin supported upon said crotch part, and an inner wall overlying the napkin and secured to the crotch part, said inner wall cooperating with the crotch part to define a pocket in which the napkin is wholly contained, said body portion being formed throughout from a disposable fabric material, the inner wall being formed from a disposable material similar to that of which the body portion is constructed, said inner wall having an elongated, rectangular outer configuration with the edge of the inner wall being disposed beyond that of the napkin, said edge of the inner wall being stitched throughout the periphery of the inner wall to the crotch part, the stitching connecting the inner wall to the crotch part being disposed outwardly from the periphery of the napkin, said article further including a member impervious to the passage of liquid interposed between the napkin and crotch part, said stitching passing through the edge portion of said member, said member being greater in width and length than the inner wall, for disposition of the edge portion of said member between the edge of the inner wall and the material of the crotch part, whereby to hold the inner wall wholly out of contact with said crotch part.

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