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2,584,898

COMBINATION DIAPER AND MOISTUREPROOF COVER

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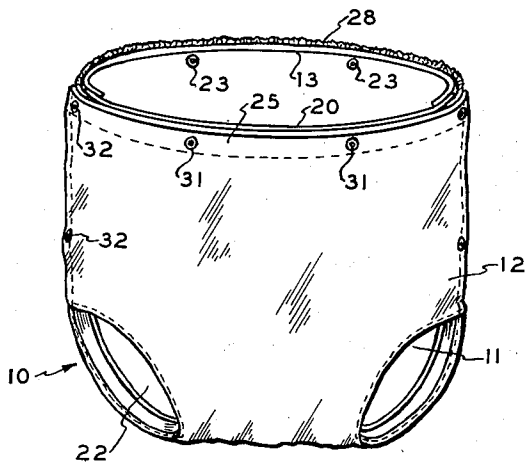


Fig. 1.

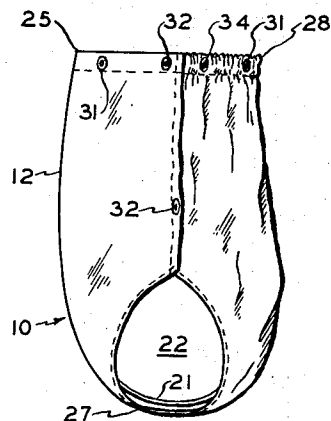


Fig. 2.

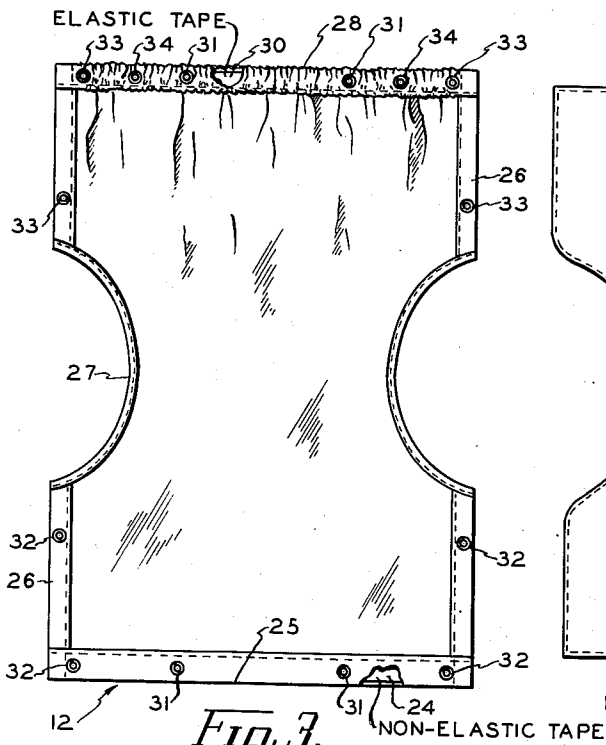


Fig. 3.

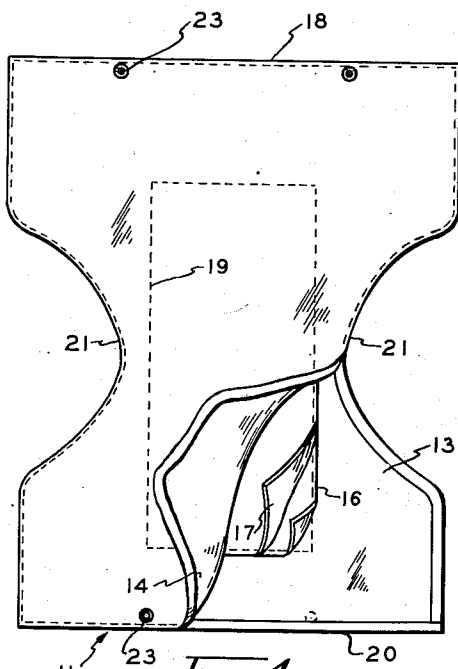


Fig. 4.

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COMBINATION DIAPER AND MOISTURE-PROOF COVER

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1 Claim. (Cl. 128—287)

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This invention relates to a combination diaper and moisture-proof cover and has for an object to provide an improved infant's garment affording proper diapering as well as protective covering for babies.

A further object of this invention is to provide an infant's garment which is made in two parts, a separate diaper member, which may be removed and separated for laundering, and a moisture proof cover which may be wiped clean with a damp cloth, and normally does not need washing.

A further object of this invention is to provide a moisture-proof cover and a diaper which cooperate with each other when in use, the cover being adjustable in size to take care of a certain amount of growth of the infant, the cover being also yieldable to provide a sufficient amount of support about the trunk, yet at the same time being comfortable, non-binding, moisture-resistant, yet having excellent ventilation.

Yet a further object of this invention is to provide a combination diaper and cover with which the baby may be diapered in a single operation.

Still a further object of this invention is to provide a cover and diaper wherein the diaper is slightly smaller than the outside cover in order that the garment may fit snugly.

A further object is to provide a moisture-proof diaper cover which not only cooperates with the particular diaper of this invention, but also, in an emergency, may be used with an old style diaper held on by safety pins, and wherein the diaper of this invention, should the cover of this invention be unavailable, for any reason, may likewise be held on the baby by safety pins in the usual way.

A further object of this invention is to provide a cover and diaper having an elastic included along the back portion thereof, providing for a better fit as well as expansion for the waist of the baby.

Still a further object of this invention is to provide a combination diaper and cover forming baby pants wherein the leg openings are automatically adjustable to all leg sizes.

Still a further object of this invention is to provide a baby diaper having extra moisture absorbing thickness of material at the critical areas, while the other areas are much thinner, thus avoiding overheating of the infant's body.

A further object of this invention is to provide a baby diaper and moisture-proof cover therefor wherein snap fastening means are provided to

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hold the diaper to the cover for ready removal when soiled and replaced, and wherein snap fastening means are provided to adjustably fit the combined garment about the baby's body, and also to provide proper size leg openings.

With the foregoing and other objects in view, this invention comprises the constructions, combinations and arrangement of parts hereinafter set forth, claimed, and disclosed on the accompanying drawing, wherein:

Fig. 1 is a front view of the combined infant's garment as it would appear on the baby.

Fig. 2 is a side view of Fig. 1.

Fig. 3 is a plan view of the cover, and

Fig. 4 is a plan view of the diaper, partly opened up to show the details of construction.

The combination diaper and moisture-proof cover of this invention includes two parts, a fabric diaper and a moisture-proof cover of plastic or rubber or other suitable moisture-proof flexible material.

The diaper consists of a suitable diaper cloth, preferably of two sheets of material, fastened together along its edges, cut away along its sides so as to form leg openings between the front and the back portions of the diaper, the back portion being preferably wider than the front portion. Included between the front and back portion are two additional thicknesses of absorbing material, preferably in a rectangular shape extending between the leg openings so as to be located in the critical areas when in position on the baby. The front and back ends are provided with spaced apart portions of snap fasteners, preferably the female portions, to cooperate with suitable located male portions of snap fasteners on the cover.

The cover portion is made of rubber, plastic or other suitable moisture-proof and moisture-resistant material, shaped about the same as the diaper, but somewhat wider and longer so that it will fit snugly about the diaper when about the baby's body. The front and side edges, except for the leg cutouts, are hemmed over a reinforcing tape, and the back edge is hemmed over an elastic tape to provide for a snug fit as well as expansion. Cooperatively spaced male fasteners are located in the front non-elastic tape and the back elastic tape to cooperate with the female fasteners in the diaper. Additional fastener members are provided near the corners of the front edge and along the front sides, and complementary fastener members are similarly located along the back edge sides, and also along

the elastic back edge to provide for adjustment in size.

There is shown at 10 the combined cover and diaper of this invention consisting of a diaper 11 and a moisture-proof and moisture-resistant cover 12.

The diaper 11 consists of two sheets of diaper cloth 13 and 14 sewed together along its edges. Before sewing the edges together, two additional sheets of diaper cloth 16 and 17, rectangular in shape are sewed in at 19 and so located at the center areas as to provide additional protection to the critical areas in use that are first subjected to moisture and body discharges. The back edge 18 is slightly wider than the front edge 20, and the side edges are arcuately cut away at 21 far enough to provide leg openings 22. Snap fastener portions 23, preferably females, are secured in spaced apart relation along the front edge 20 and back edge 18.

The moisture-proof cover 12 is shaped similarly to the diaper 11, and consists of a sheet of suitable material, plastic, rubber, or other moisture-proof flexible material, having its front edge 25 and its side edges 26 hemmed over non-elastic tape 24. The side edges 26 are cut away at 27 to provide central leg openings corresponding to the leg openings 21 in the diaper 11. The cover 12 is slightly larger in all its dimensions than the diaper 11, except that the cover leg cutaways 27 are slightly smaller than the diaper leg cutaways 21.

The back edge 28 of the cover is hemmed over elastic tape 30 whereby such back edge is stretchable to the limit provided by the gathered up edge.

Secured through each of the front edges 25 and the back edges 28 are a pair of spaced apart male fastener portions 31 arranged to cooperate with the female fastener portions 23 of the diaper 11, such male fastener portions extending inwardly of the cover 12. Another pair of female fastener portions 32 are located at the front corners and along the front sides 26, and a pair of corresponding located male portions 33, extending outwardly, are similarly located at the back corner and back side edges. An additional male portion 34 is located along the elastic back edge 28 spaced somewhat from the corner, and is used to adjust to a smaller size.

In operation, one cover and one diaper make up a complete outfit, although the outfit will normally be most useful when the outfit consists of one cover and three or more diapers so as to have replacements available as needed. Obviously, diaper replacements may be marketed separately, if desired. To assemble the combination outfit, the diaper 11 is placed over the cover 12 in a position that the female fastener portions 23 of the back edge 18 of the diaper 11 will cooperate with the male fastener portions 31 of the cover back edge 28, and likewise the female fastener portions 23 of the diaper front edge 20 will cooperate with male fastener portions 31 of the cover front edge 25. As thus assembled, the combined infant's garment is ready for use on the baby. It is placed about the baby with the back edge extending across the baby's back, and the front edge across its stomach. The front corner fastener portions 32 are then snapped to the back corner fastener portion 33, or, if necessary for adjustment to a smaller size, are snapped to the fastener portions 34 instead. Then, the front side edge fastener portions are snapped to the back side edge fastener portions 33 thereby providing the leg openings 22 about the thighs of the

infant. Due to the flexibility of the plastic cover and of the diaper, the leg opening 22 will automatically accommodate itself to the girth of the thighs up to the limit provided by the position of the last mentioned fasteners, and if this limit has to be exceeded, it will be found that a larger size outfit will be needed, the outfits being provided in small, medium and large, so as to cover the range from infancy until the baby no longer uses diapers. Due to the fact that in each size outfit, the diaper is slightly smaller than the cover, the outfit will fit snugly when curved about the baby's body without undue wrinkling of the diaper within the cover.

When the diaper is soiled, the garment is removed from the baby by unsnapping the corner and side fasteners and replaced with another ready combined garment. Then, the soiled diaper is unsnapped from its cover for laundering, meantime being replaced by another diaper, making the garment ready for the next replacement on the baby.

The diaper will absorb the normal amount of a baby's movement and wetting, particularly due to the presence of the extra inserts 16 and 17 within the diaper, which will prevent any excess of moisture from reaching the cover. Due to the snug, but not tight, fit of the edges and sides, as well as the thinner portions of the diaper outside of the insert area, excellent ventilation will be provided, thus avoiding causing excess overheating of the baby's buttocks with its resultant discomfort and irritation of the skin.

While the preferred form of this invention has been set forth and disclosed, it is understood that it is not limited to the particular details set forth, and that changes may be made in details of construction and arrangement within the scope of what is hereinafter claimed.

Having thus set forth the nature of this invention, what is claimed is:

An infant's garment comprising in combination a moisture-resistant cover generally rectangular in outline with its sides at right angles to its edges and arcuate cutaways along the side edges to provide leg openings, a similarly shaped diaper insert of slightly smaller size, cooperating fastening means on the front and back edges of the cover and diaper securing said diaper within said cover, one of said edges of said cover and diaper being slightly longer than the other to provide overlap, and cooperating fastening means on the side edges and the front and back edges of said cover for securing the garment about an infant, and additional fastener portions on one of said last mentioned edges providing for size adjustment, said diaper having extra diaper cloth inserts secured between the leg openings to provide extra moisture absorption, one of said front and back edges of said cover having an elastic insert providing a snug fit about the infant.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,169,500	Leavitt et al.	Jan. 25, 1916
1,931,357	Potwin	Oct. 17, 1933
2,119,610	Tasher	June 7, 1938
2,292,030	Kroft	Aug. 4, 1942
2,511,036	Baxmeyer et al.	June 13, 1950
2,523,079	Walter et al.	Sept. 19, 1950