

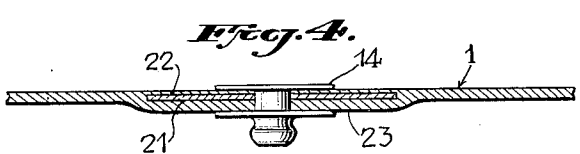
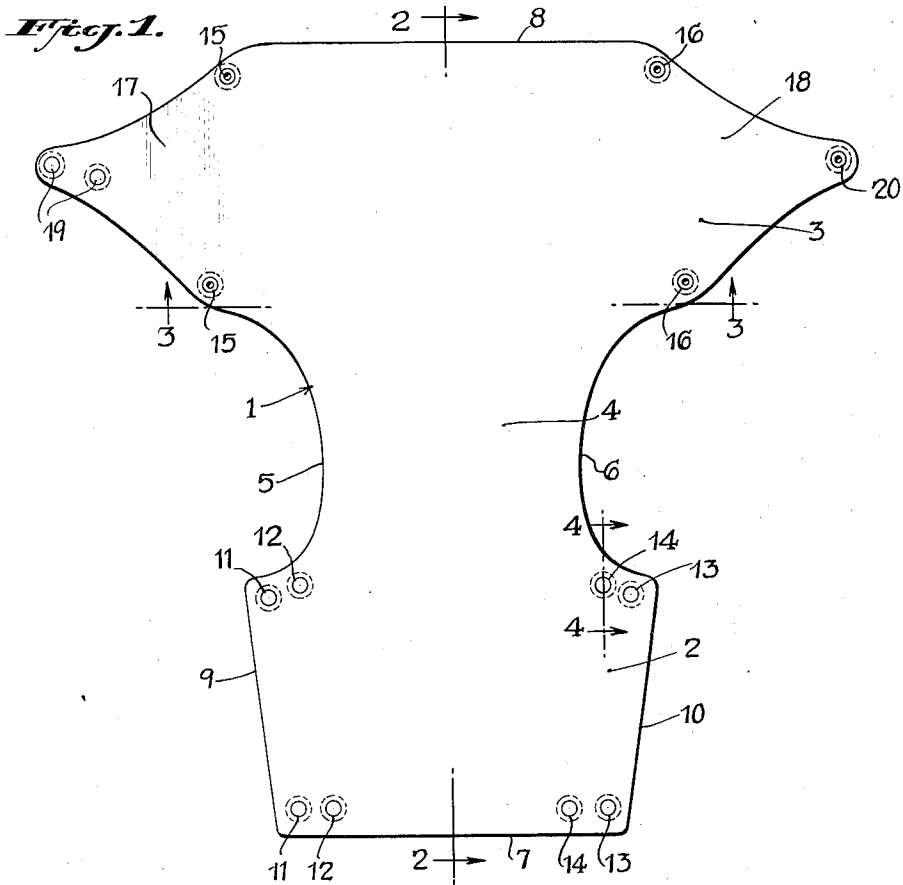
Nov. 28, 1950

F. W. ANDREWS
BABY PANTS

2,531,900

Filed July 21, 1948

2 Sheets-Sheet 1



INVENTOR.
FRED W. ANDREWS.
BY *Hand Crosby & Co.*
ATTORNEYS

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2 Sheets-Sheet 2

Fig. 5.

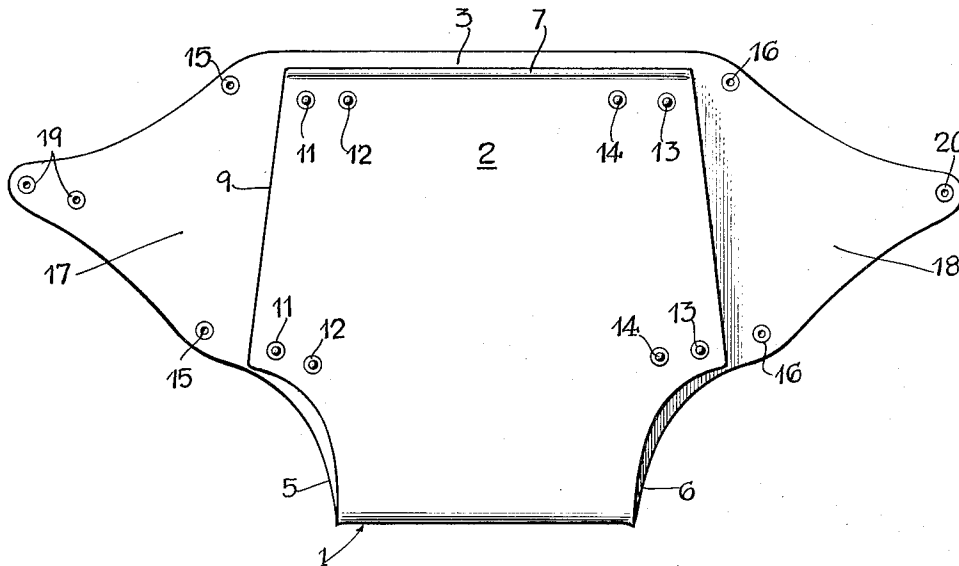
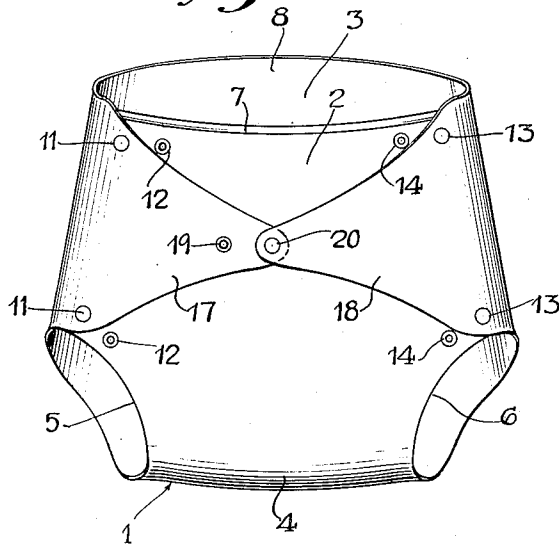


Fig. 6.



INVENTOR.

FRED W. ANDREWS.

BY

Ward Crosby & Neal

ATTORNEYS.

UNITED STATES PATENT OFFICE

2,531,900

BABY PANTS

Fred W. Andrews, Doyer, Del., assignor to International Latex Corporation, Doyer, Del., a corporation of Delaware

Application July 21, 1948, Serial No. 39,993

4 Claims. (Cl. 128—287)

1

This invention relates to baby pants and more particularly to baby pants for use as a protective covering for diapers. The invention is especially adapted for dipped latex or the like seamless articles.

Objects of the invention are: to provide an improved garment of the character described which may be readily applied and removed with a minimum of handling of the baby; which provides supplemental support around the abdomen of the baby; which provides improved means for securing the garment in position when in use; and which provides means for removal and washing of the garment when soiled without necessitating the handling of the soiled body portion of the garment.

Further and other objects, features and advantages of the invention will more clearly appear from the detailed description given below taken in conjunction with the accompanying drawings, illustrating by way of example a preferred embodiment of the invention, and in which:

Fig. 1 is a plan view of the garment in fully open or flat position, as viewed from the inside;

Fig. 2 is a longitudinal sectional view taken on line 2—2 of Fig. 1;

Fig. 3 is a transverse sectional view taken on line 3—3 of Fig. 1;

Fig. 4 is an enlarged view taken at line 4—4 of Fig. 1;

Fig. 5 is a view similar to Fig. 1 but showing the garment in partly folded position; and

Fig. 6 is a perspective view of the said device in fully folded position as when in use.

Referring to the drawings and more particularly to Fig. 1: the device is designated in general as 1 and is of flat sheet-like formation, made of thin pliable waterproof material, preferably thin elastic material such as rubber latex. This sheet-like member 1 is fashioned so as to be folded about a baby in the form of pants and is imperforate, at least throughout its main body area. More particularly, the member 1 comprises a front panel 2, a rear panel 3 and an intermediate crotch portion 4 defined by arcuate recesses disposed on opposite sides of the member to form a crotch portion of substantially less width than the width of the panels 2 and 3; the arcuate recesses defining side edges 5 and 6 of the crotch portion which constitute leg encircling portions when the garment is in use. The outer end 7 of the front panel 2 constitutes a part of the waist encircling portion and the outer end 8 of the panel 3 constitutes a complementary part of the waist encircling portion when the garment

2

is in use. The opposite side edges 9 and 10 of the front panel 2 preferably converge in a direction toward the outer edge 7, so as to better conform to the body shape of the wearer.

A pair of snap fastener elements 11 are disposed adjacent the edge 9, one being disposed near the crotch side 5 and one being disposed near the panel end 7; and a similar pair of fastening elements 12 are similarly situated but spaced laterally inwardly from the pair of elements 11. Likewise pairs of fastening elements 13 and 14 are similarly positioned with respect to the opposite edge 10. Preferably these fastening elements are the stud or male component with the stud extending outwardly from the rear side of the garment (see Fig. 4). A pair of fastening elements 15, complementary to and adapted for cooperative engagement with one or the other pairs of elements 11 and 12, are positioned adjacent the corresponding edge of the panel 3 with their engageable openings facing inwardly. Likewise a pair of fastening elements 16 are similarly disposed on the opposite side of panel 3. The pairs of elements 15—16 are spaced apart laterally a distance somewhat greater than the width of the panel 2, for purposes to be more particularly pointed out hereinafter.

The panel 3 is provided with oppositely disposed flaps 17 and 18 extending outwardly beyond the respective pairs of fastening elements 15 and 16 for purposes to be more particularly pointed out hereinafter. It is to be understood that the fastening elements 15—16 are disposed on the flaps 17 and 18 respectively, in order that they may be positioned over either one of their cooperating fastening elements on the front panel when the pants are folded in a manner hereinafter described. One of the flaps, such as 17, further is provided with a pair of laterally spaced snap fastening elements 19 and the other flap, such as 18, further is provided with a snap fastening element, such as 20, adapted for cooperative engagement with one or the other of the fastening elements 19 when the parts are disposed in the position to be pointed out hereinafter.

The member 1 is preferably formed by dipping, in a manner well known to those skilled in the art and in its preferred form is provided with a continuous marginal reinforcement preferably formed by the accretion method known to those skilled in the art. See Figs. 2 and 3 which show the preferred form of marginal reinforcement. The rubber sheet being quite thin, for example the embodiment illustrated having a thickness of

the order of .012", it is desirable to reinforce the portions at the snap fastener locations. I have found that a highly desirable and satisfactory means of reinforcement is provided by taking thin pieces or patches of suitable fabric such as "nylon" fabric, coating these with a thin coating or latex, applying these to the form used in making the dipped article and thereafter dipping the form carrying the patches properly located thereon in liquid latex. This results in the surface of the formed latex layer next to the form merging with the rubber covered face of the reinforcing patch and the latex layer building up over the outer face of the rubber covered fabric patch to completely cover the same.

Referring to Fig. 4: the fabric patch is designated as 21, the inner layer of rubber thereover as 22 and the area of the member 1 overlying the exterior face of the patch 21 being designated 23. The snap fastener, such as 14, is secured through the reinforced area defined by the fabric patch 21. It is to be understood that each of the snap fastening elements are reinforced in a similar manner.

When it is desired to apply the garment to an infant the infant is placed face upwards on the inner face of the garment (Fig. 1) with the upper edge 8 of the garment at the infant's waist. The panel 2 is then folded upwardly and over the panel 3, in the approximate position shown in Fig. 5, the flap portions 17 and 18 are then folded inwardly over the front panel 2 and serve as means of readily holding the garment in folded position transversely around the infant until the snap fasteners 15 and 16 are snapped into engagement with one or the other of the corresponding pairs of fastening elements 11-12 or 13-14, depending upon the size of the infant. Thereafter the flaps 17-18 are folded inwardly one over the other and the fastener element 20 is snapped into engagement with one or the other of the cooperating fastener elements 19. The position of the garment when in use is clearly shown in Fig. 6, from which it will be seen that the flap portion 17-18 serve the dual purpose of securing the garment in position on the infant and providing an abdominal support. As above mentioned, the flaps 17-18 serve also as a convenient means of folding the garment around the infant and holding it in position while it is being fastened; and in addition to this the portions 17-18 serve as means by which to hold the garment when the same is being removed and washed and thereby make it unnecessary for the grasping of the garment at the soiled body portion.

Having thus described my invention with particularity with reference to its preferred form, it will be obvious to those skilled in the art, after understanding my invention, that other changes and modifications may be made therein without departing from the spirit and scope of my invention, and I aim in the appended claims to cover such changes and modifications as are within the scope of the invention.

What I claim is:

1. Wrap-around baby pants comprising, a thin highly elastic sheet-like rubber latex member having an imperforate central body area and fashioned to be folded into pants form, said member comprising front and back panels whose outer ends constitute waist encircling portions and an intermediate crotch portion whose opposite sides constitute leg encircling portions, said front panel being provided with outwardly facing

snap fastening elements spaced apart laterally at the respective waist and leg encircling portions thereof, said back panel having oppositely disposed flaps extending outwardly beyond said fastening elements carried by said front panel a combined distance greater than the lateral space between said fastening elements, said flaps being provided with inwardly facing snap fastening elements spaced apart laterally a distance greater than the width of said front panel so as to be positioned over the lateral edges of said front panel when in folded position and to cooperatively engage said fastening elements on said front panels, thereby to secure the pants on an infant, and said flaps being provided with additional cooperating snap fastening elements adjacent their respective outer ends disposed a substantial distance below the upper edge of said back panel for securing together said flaps over said front panel.

2. Wrap-around baby pants comprising, a thin highly elastic sheet-like rubber latex member having a moisture impervious central body area and fashioned to be folded into pants form so as to provide waist and leg openings, said member comprising front and back panels, said back panel having oppositely disposed flaps extending outwardly beyond the side edges of said front panel, said front panel being provided with outwardly facing snap fastening elements spaced apart laterally at the free edge thereof, said flaps being provided with inwardly facing snap fastening elements spaced apart laterally a distance greater than the width of said front panel and adapted to cooperatively engage the fastening elements on said front panel when said flaps are folded over the edges of said front panel to secure the pants on an infant, said flaps also being provided with additional cooperating fastening elements disposed respectively adjacent the outer ends of said flaps in a zone spaced a substantial distance below the upper end of said rear panel so as to secure the flaps in overlapping relation over said front panel at a point disposed a substantial distance below the free edges of said front and rear panels, thereby providing an abdominal support for an infant.

3. Wrap-around baby pants comprising, a thin highly elastic sheet-like rubber latex member having an imperforate central body area and fashioned to be folded into pants form, said member comprising front and back panels whose outer ends constitute waist encircling portions and an intermediate crotch portion whose opposite sides constitute leg encircling portions, said front panel being provided with outwardly facing snap fastening elements spaced apart laterally at the respective waist and leg encircling portions thereof, said back panel having oppositely disposed flaps extending outwardly beyond said fastening elements carried by said front panel a combined distance greater than the lateral space between said fastening elements, said flaps being provided with inwardly facing snap fastening elements spaced apart laterally a distance greater than the width of said front panel so as to be positioned over the lateral edges of said front panel when in folded position and to cooperatively engage said fastening elements on said front panels, thereby to secure the pants on an infant, said flaps being provided with additional cooperating snap fastening elements adjacent their respective outer ends disposed a substantial distance below the upper edge of said back panel for securing together said flaps over

5

said front panel, said rubber latex member being provided with relatively non-elastic patches intimately secured thereto at areas surrounding said fastening elements to thereby provide non-elastic engageable portions to be grasped for disengaging said fastening elements.

4. Wrap-around baby pants comprising, a thin highly elastic sheet-like rubber latex member having an imperforate moisture impervious central body area and fastened to be folded into pants form, said member comprising front and back panels and an intermediate crotch portion of a width substantially less than the panel widths, said back panel having oppositely disposed flaps extending outwardly beyond the side edges of said front panel, said front panel being provided with outwardly facing snap fastening elements spaced apart laterally at the free side edges thereof and disposed respectively adjacent the end edge and crotch portion, said flaps being provided with inwardly facing snap fastening elements spaced apart laterally a distance greater than the width of said front panel and adapted to cooperatively engage the fastening elements on said front panel when folded thereover to secure the pants on an infant, said flaps also being provided with additional cooperating

6

fastening elements disposed on overlap end portion thereof and spaced downwardly from the upper end of said rear panel so as to secure the flaps over said front panel at a point disposed below the free edge thereof, thereby providing an abdominal support for an infant, and said sheet-like rubber latex member being provided with reinforced non-elastic engageable portions to which said fastening elements are respectively secured, said non-elastic portions comprising fabric inserts embedded in said sheet-like rubber member between the opposite surfaces thereof whereby the non-elastic engageable portions may be grasped and the fasteners released without stretching the latex sheet.

FRED W. ANDREWS.

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