

Aug. 1, 1950

M. E. BRINK

2,516,951

DIAPER

Filed April 24, 1947

2 Sheets-Sheet 1

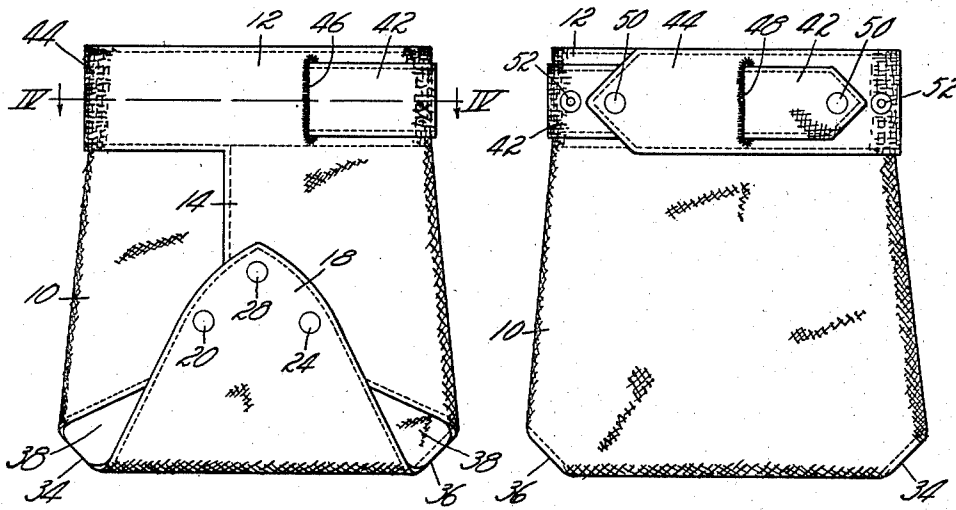


Fig. 1

Fig. 2

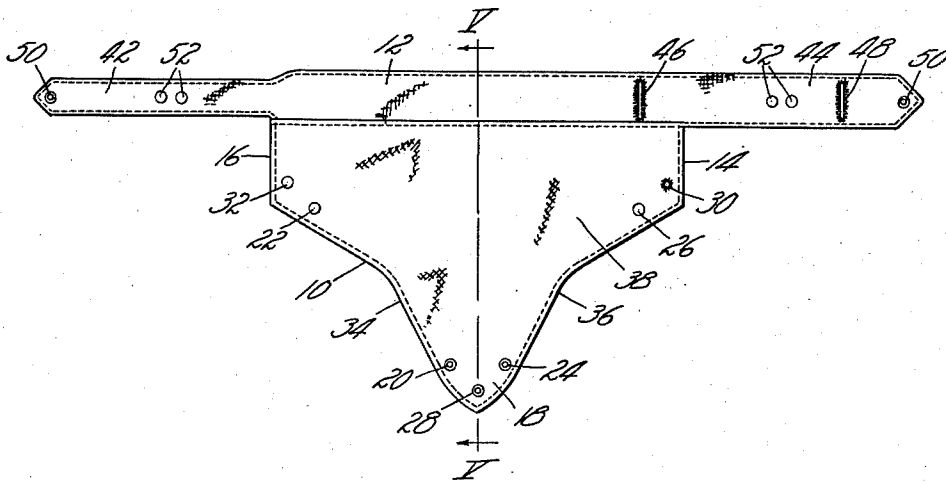


Fig. 3

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2 Sheets-Sheet 2

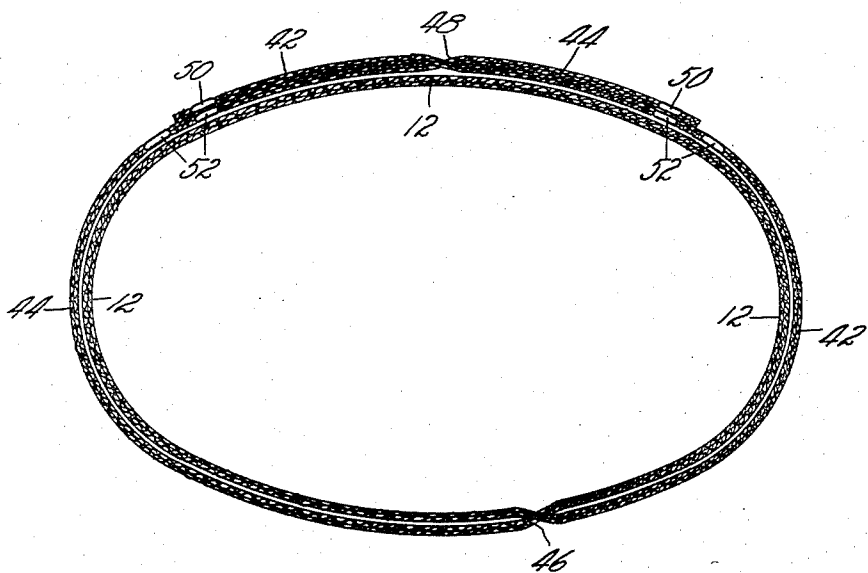


Fig. 4

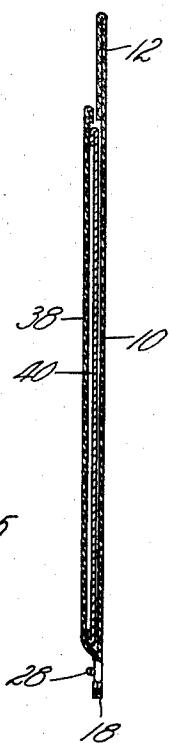


Fig. 5

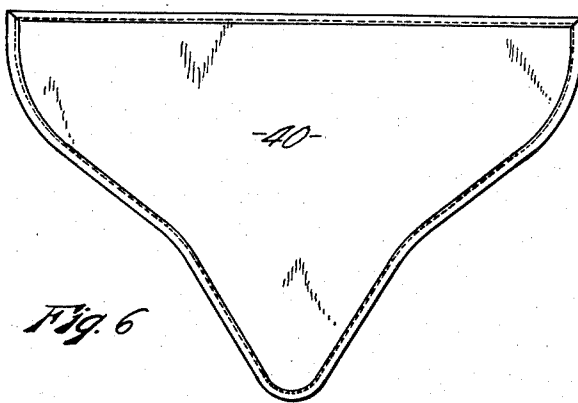


Fig. 6

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UNITED STATES PATENT OFFICE

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DIAPER

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3 Claims. (Cl. 128—287)

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This invention relates to improvements in diapers, and has particular reference to a novel combination of features making for sanitation, comfort, convenience, and efficiency.

The principal object of the present invention is the provision of a combination diaper and waist band, said waist band being readily adjustable to fit infants of various sizes.

Another object is the provision of a diaper having an internal envelope in which additional waterproof or absorbent layers of material may be inserted, if desired.

Other objects are simplicity and economy of fabrication, efficiency, and convenience of use.

With these objects in view, as well as other objects which will appear during the course of the specification, reference will now be had to the drawings, wherein:

Figure 1 is a front elevation of a diaper embodying the present invention, shown folded and fastened substantially in the position occupied when it is placed about the body of an infant.

Fig. 2 is a rear elevation of the same.

Fig. 3 is an inside view of the diaper extended to lie in a plane.

Fig. 4 is an enlarged horizontal section taken on line IV—IV of Figure 1.

Fig. 5 is an enlarged vertical section taken on line V—V of Figure 3.

Fig. 6 is a plan view of a waterproof sheet suitable for insertion into said diaper.

Like reference numerals apply to similar parts throughout the several views, and the numeral 10 applies to a roughly triangular body member of absorbent cloth or other suitable material, and having a relatively broad hem formed along one edge thereof to form a belt or waist band 12.

When the diaper is placed about the infant, the opposite edge portions 14 and 16 overlap in front of the wearer. The lower end 18 of the body member is then brought forwardly between the legs of the infant and fastened to said overlapping edge portions by means of friction type snap fasteners fixed in the cloth, said fasteners comprising studs and friction sockets adapted to receive said studs. Stud 20 is adapted to engage socket 22 in edge portion 16. Stud 24 is adapted to engage socket 26 in edge portion 14. Stud 28 is adapted to extend through a bound hole 30 formed in the overlapping part of edge portion 14 and to engage socket 32 in edge portion 16. The edge portions and the lower end portion of body member 10 are thus firmly but removably fixed together.

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The advantage of snap fasteners over other commonly used means of fastening are that they can not become detached or lost, and are not dangerous as are pins, and are much more quickly and conveniently operated than are strings, tie bands, or the like. The edges 34 and 36 of body member 10 may be shaped so that when the diaper is placed about a baby, they will form leg apertures conforming comfortably to the infant's body contours.

If desired, a lining 38 of cloth may be sewed to the inner surface of body member 10 along two sides thereof, but not along the upper edge thereof adjacent waist band 12, thus forming an envelope adapted to receive a waterproof sheet 40 or additional layers of absorbent material. Although sheet 40 is shown in Figure 6 to conform substantially to the shape of body member 10, sheets or pads of any convenient shape may be inserted into the envelope.

Waist band 12 is extended outwardly from the sides of body member 10, said waist band thus elongated being sufficient to pass twice around the waist of the wearer, and end portion 42 thereof being narrower than the opposite end portion 44, as shown in Figure 3. When the diaper is being placed on an infant, waist band 12 is placed about his waist, and end portion 42 is pulled through transverse slit 46 formed through waist band 12, said slit being disposed in front of the wearer. End portions 42 and 46 are then passed around to the back of the wearer, where end portion 42 is passed through a slit 48 provided therefor in end portion 44 adjacent the end thereof. Snap fastener studs 50 fixed in waist band 12 adjacent the tips thereof may then be selectively engaged in snap fastener sockets 52 fixed in said waist band in spaced apart relation to the ends thereof, thereby securing the waist band about the infant. By inserting studs 50 in others of sockets 52, the waist band may be adjusted to larger or smaller sizes. It will be noted that by passing the waist band around the waist twice, the snap fasteners are kept out of contact with the skin, and the fasteners are disposed behind the infant and therefore out of his reach.

The improvements I claim as new and desire to protect by Letters Patent are:

1. A diaper comprising a substantially triangular body member having a waist band secured along one edge thereof whereby said diaper may be secured about the body of an infant, said waist band having a plurality of transverse slits formed therein adjacent one end thereof,

said waist band being adapted to pass twice about the waist of the infant, the opposite end portion of said band being adapted to be threaded successively through said slits, and the end portions of said waist band being adapted to be adjustably connected at the back of the infant.

2. A diaper comprising a body member adapted to be secured about the body of an infant, a waist band secured along an edge of said body member and adapted to pass twice about the waist of said infant and having a plurality of slits formed therein adjacent one end thereof, and adjustable means for joining the opposite ends of said band at the back of the infant, one end portion of said band being threaded successively through said slits, thus interengaging the overlapping portions of the band.

3. A diaper comprising a body member adapted to be secured about the body of an infant, a waist band secured along an edge of said body member and adapted to pass twice about the waist of said infant, and adjustable means for joining the opposite ends of said band at the back of the infant, one end portion of said band being threaded through a slit provided therefor through said band at the front of the infant, and through a second split provided therefor ad-

jacent the opposite end of the waist band, thereby interengaging the overlapping portions of the waist band at the front and back of the infant.

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