Nov. 18, 1952 T. J. ADAMS ET AL 2,618,265

COLOSTOMY BELT

Filed April 21, 1950

Fig. 1.

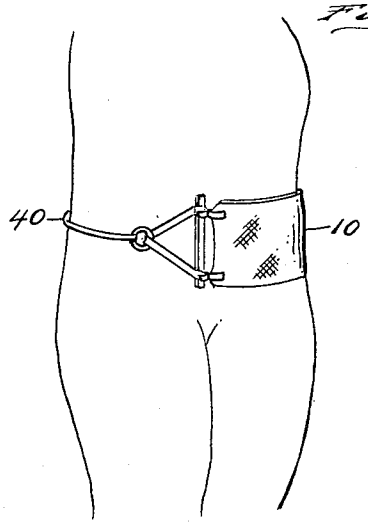


Fig. 2.

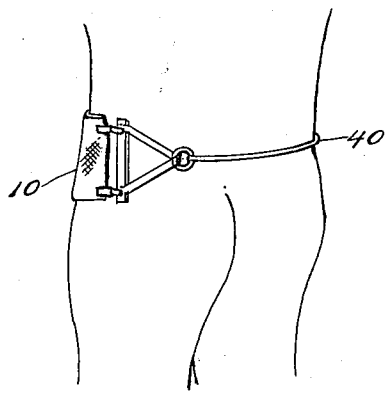


Fig. 3.

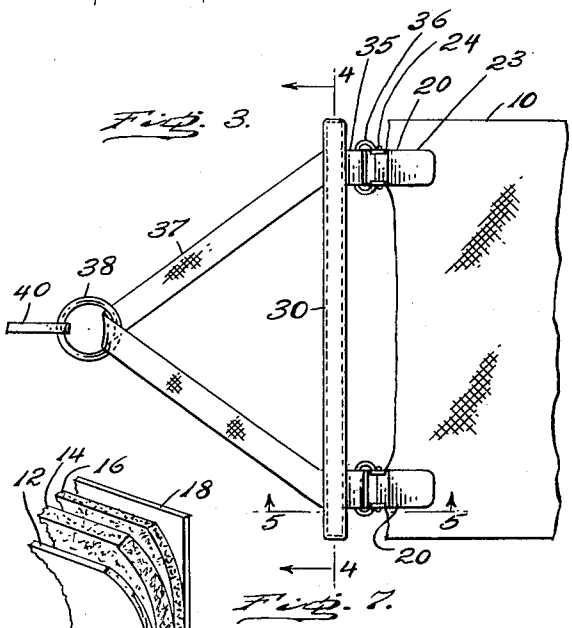


Fig. 4.

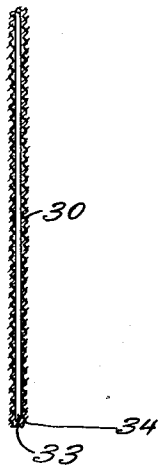


Fig. 7.

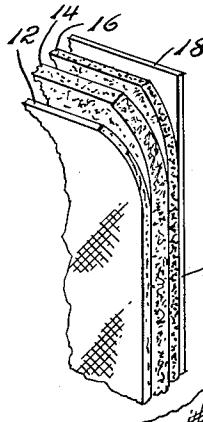


Fig. 6.

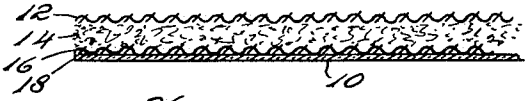
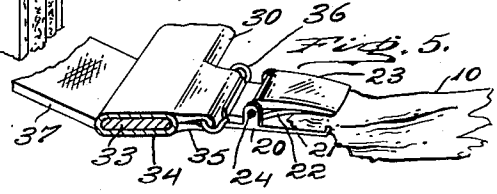


Fig. 5.



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COLOSTOMY BELT

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6 Claims. (Cl. 128—283)

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Our invention relates to colostomy belts.

A purpose of our invention is to provide a colostomy belt that is at once efficient and simple.

A further purpose of our invention is to provide a colostomy belt that will normally stay firmly in place, amply performing its sanitary and protective function, and will open up fully when so desired, yet is light, cool, uncomplicated and inexpensive.

Other objects and advantages will be apparent from the following description and the claims.

Figure 1 is a somewhat oblique front view, broken away, of a person wearing a particular embodiment of the colostomy belt of our invention.

Figure 2 is a somewhat oblique rear view, broken away, of a person wearing this same belt.

Figure 3 is a view in elevation, on a larger scale, of part of the belt, broken away.

Figure 4 is a longitudinal section through a vertical rib in our belt, along the lines 4—4 in Figure 3.

Figure 5 is a section on a still larger scale, broken away, through a part of the belt along the lines 5—5 in Figure 3.

Figure 6 is a section through the pad in this belt.

Figure 7 is a perspective view, broken away, of a corner of the pad taken separately, with the layers partly opened up for purposes of illustration.

In our colostomy belt in the form illustrated, over the colostomy is rectangular pad 10, which has four layers: a layer 12 preferably of sterilized gauze placed next to the colostomy; a layer 14 preferably of raw cotton over the first; a layer 16 preferably of cloth, as for example a baby's wash cloth, over that; and a substantially impervious layer 18, as for example of plastic, on the outside.

Four clamps 20 grip the colostomy pad, one near the top and another near the bottom of each of the vertical edges of the pad, so that the pad is held near each of its four corners. Clamps 20 in the form shown are each of a well known type, with two jaw members 21 and 22 held normally in closed position by clamping member 23, which has a tail tab which will then be resting against the top jaw member 22 at a point below and slightly behind fulcrum 24 of the clamping member, and will thus hold down the jaw member, which is itself fulcrumed behind its point of contact with the tail tab. Opening of the clamping member swings its tail tab forward, first depressing the somewhat resilient top

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jaw and then swinging the tab free of the top jaw permitting the top jaw to rise under suitable spring action which had previously been inhibited by the tab.

On either side of the pad is a vertical rib 30 connected to the two adjacent clamps. Preferably, the rib is a straight flat strip 33 of bone or something equally strong and flexible, covered by double cloth layer 34, and on the order of six inches long. The connection to the clamps is preferably by cloth loops 35, attached near the top and bottom of the rib to more or less the center of its near edge, and passing through clamp loops 36.

To approximately similar positions on the opposite edge of each rib is anchored the two ends of the respective cloth strip 37. Intermediately cloth strips 37 pass through rings 38, preferably of bone, thus forming, with their respective ribs, triangles each having two mobile sides. The rings in turn are attached to opposite ends of elastic 40, which forms the rearmost portion of the belt.

The belt, when in position on the body of a wearer having a colostomy on the left side of his abdomen, will be positioned approximately as shown in Figures 1 and 2. Preferably in such case one vertical rib will be just a little in back of the outer edge of the left hip bone, while the other will be slightly to the right of the navel.

The belt is at once simple and comfortable and will stay firmly in position, even when the wearer engages in such activities as gardening, for example. In obtaining this firm positioning, the vertical ribs are important.

In order to put the colostomy belt on or off, the wearer will ordinarily open the two clamps along one edge. Whenever desired, the wearer can open all four of the clamps, thus exposing the colostomy and at the same time freeing the pad for whatever is necessary in the way of replacement of layers, etc. Thus, without removing the rest of the belt from the waist, it can be opened up completely, leaving nothing in the neighborhood of the colostomy, and any sanitary measures needed can be taken. The pad when in use is quite comfortable and soilproof.

In view of our invention and disclosure variations and modifications to meet individual whim or particular need will doubtless become evident to others skilled in the art, to obtain all or part of the benefits of our invention without copying the structure shown, and we, therefore, claim all such insofar as they fall within the reasonable spirit and scope of our claims.

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

1. A colostomy belt comprising strap structure passing around the rear of the waist and terminating to either side of the colostomy area, vertical positioning ribs attached thereto, one at each end of the strap structure, said ribs being long relative to the vertical section of the adjacent strap structure and protruding substantially toward the inside of the belt from the inside of the adjacent strap structure, fasteners attached to the vertical ribs, and a colostomy pad removably held between the fasteners.

2. A colostomy belt comprising strap structure passing around the rear of the waist to terminate on opposite sides of the colostomy area, a pair of vertical positioning ribs attached to the strap structure, one at each end of the structure, fasteners attached to the ribs, and a completely removable colostomy portion held between the fasteners and having a disposable layer toward the colostomy and a strong impervious layer away from the colostomy, which portion when in place at once covers the colostomy and forms a necessary structural part of the belt and when removed leaves the colostomy completely open, with no portion of the belt in its immediate vicinity.

3. A colostomy belt comprising a single-strap-form back-portion, two vertical positioning ribs, a colostomy portion held between the two vertical ribs and strap-form connections running obliquely from the top and bottom ends of each rib to the adjacent end of the back portion.

4. A colostomy belt comprising a single-strap-form back-portion having loop-type connectors at either end, a colostomy portion, a vertical rib on each side of the colostomy portion and attached thereto, and cloth strips attached to the respective ribs at both the top and bottom ends of the rib and intermediately passing through the adjacent loop-type connector.

5. A colostomy belt comprising an elastic band, at each end of the band a ring attached thereto, passing through each ring a different cloth band, connected to each cloth band a different transverse rib having one end of the cloth band attached to one end of it and the other end of the cloth band attached to the other end of it, a clamp at each end of each rib, and a colostomy pad removably stretched between the clamps, the whole being adapted to pass around the waist and protect a colostomy.

6. A colostomy belt comprising an elastic strap, a pair of rings one at each end of the elastic strap, a pair of bands one passing through each ring, a pair of vertical rods each attached near its ends to the two ends of a different one of the bands, clamps each attached to one of the rods near a different end thereof on the side away from the ring and band, and a colostomy pad removably held between the clamps and having, in the order of their nearness to the colostomy, a layer of aseptic gauze, a layer of absorbent cotton, a layer of cloth, and a layer of impervious, pliable, structurally strong plastic.

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