April 27, 1937. L. A. SIMPSON 2,078,512

COLOSTOMY BELT

Filed April 22, 1936 2 Sheets-Sheet 1

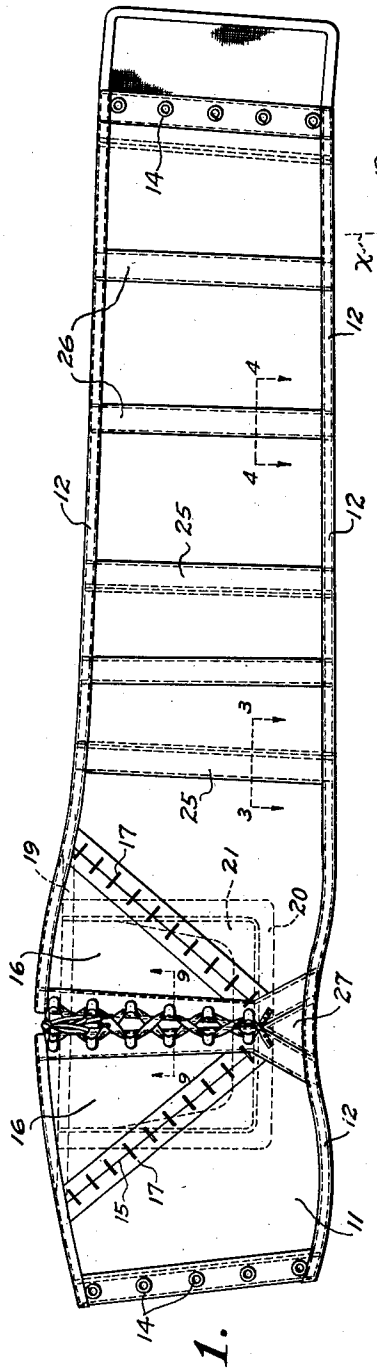


Fig. 1.



Fig. 2.

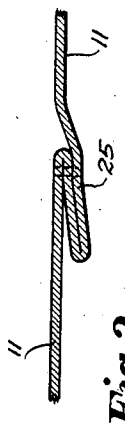


Fig. 3.

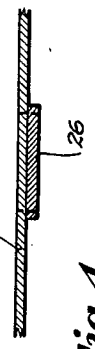


Fig. 4

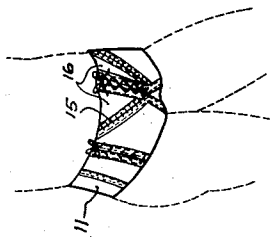


Fig. 5.

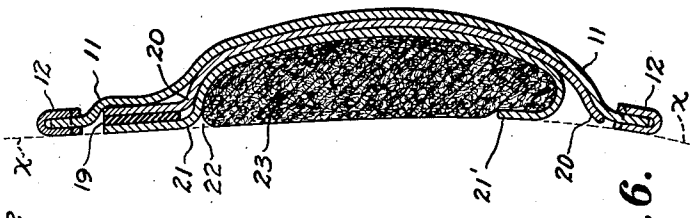


Fig. 6.

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COLOSTOMY BELT

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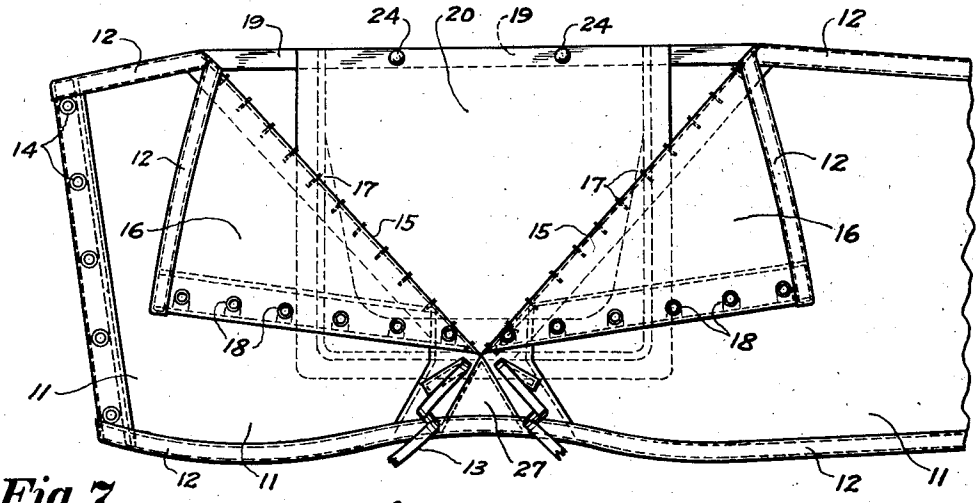


Fig. 7.

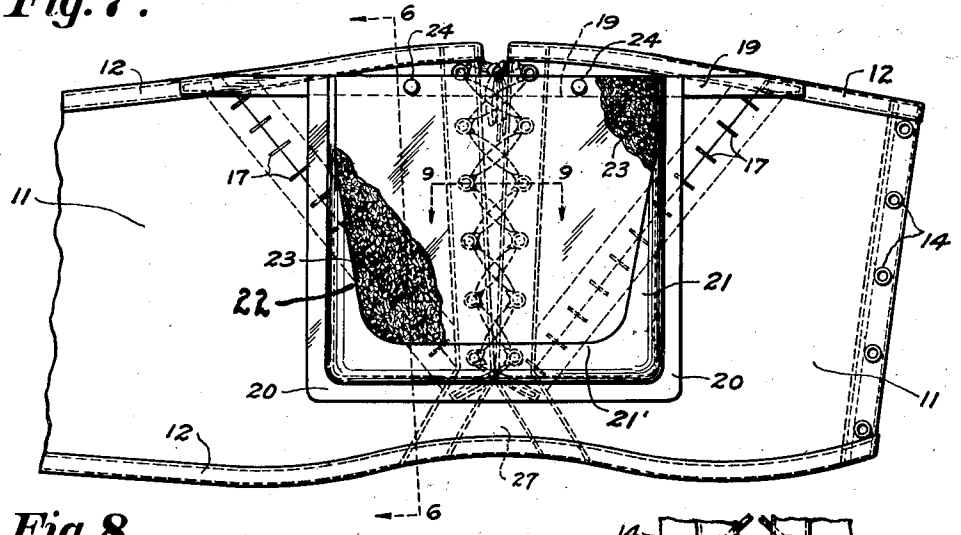


Fig. 8.

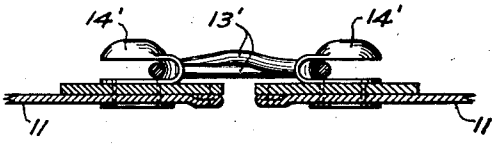


Fig. 9.

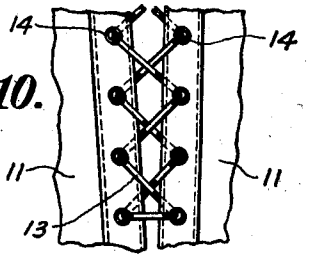


Fig. 10.

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UNITED STATES PATENT OFFICE

2,078,512

COLOSTOMY BELT

Lillian A. Simpson, Omaha, Nebr.

Application April 22, 1936, Serial No. 75,849

6 Claims. (Cl. 128—283)

This invention relates to an improvement in colostomy belts and has for one of its objects to provide a belt of this character which may be more quickly adjusted than ordinary. Another object is to provide a pouch carried by the belt which may be carried without discomfort to the person. Still another object is to provide a filler of soft absorbent material of such arrangement that it will loosely engage the cicatrix or healed orifice of the bowel to prevent friction or chafing.

The invention includes the use of a pouch of attenuated, flexible imperforate material of such construction that it provides a reservoir for receiving liquid contents of the bowels without injury to or saturation of the belt, said pouch being of such arrangement that the absorbent filler, together with adhering feces may be readily removed.

The invention also includes a cut-out portion opening on its top which provides access to the pouch, and includes adjustable wings for covering the area of the cut-out portion of the belt.

Other objects of the invention will appear in the following complete description of parts, together with the drawings, and as pointed out in the appended claims, it being understood that I may make changes in form, size, proportions and minor details, if found to be of advantage, said changes being within the scope of the invention as claimed.

In the accompanying drawings, Fig. 1 is a front side view of the belt, when extended, the lacings for the ends of the belt being omitted.

Fig. 2 is a top plan view showing a part of the belt illustrated in Fig. 1.

Fig. 3 is a sectional view on line 3—3 of Fig. 1, showing an adjustable fold in the belt.

Fig. 4 is a sectional view on line 4—4 of Fig. 1, showing one of the stays in the belt.

Fig. 5 is a front view of the belt applied to the wearer.

Fig. 6 is a sectional view through the belt, the pouch and interposed sanitary sheet on line 6—6 of Fig. 8.

Fig. 7 is an enlarged detail view showing a front part of the belt, the wings being shown in open position.

Fig. 8 shows the rear part of the belt illustrated in Fig. 7.

Figs. 9 and 10 are detail views to illustrate conventional lacings. Fig. 9 shows the use of hooks used in pairs, and Fig. 10 illustrates the use of eyelets for receiving the lacings, and in other parts of the drawings the eyelets shown in Fig. 10 are preferably used.

Referring now to the drawings for a more particular description, numeral 11 indicates a flexible band adapted to encircle a human body at the abdomen, its upper and lower edges being reinforced by strong tape 12, the band 11 being adapted to be connected at its ends by lacings 13 shown in Fig. 10 engaging in eyelets 14, or if desired, said ends may be connected by the lacings 13' engaging the hooks 14' shown in Fig. 9.

Numeral 15 indicates a cut-out portion of V-shape opening on the upper edge, and at 16 are indicated a pair of wings swingably connected to the upwardly-divergent edges of the band 11 by means of stitches 17, and it will be understood that the wings may be swung toward each other for covering the area 15 and may be secured in that position by any suitable means, as by use of lacings (not shown) for engaging in eyelets 18 which are provided for said wings.

At 19 is indicated an elastic anchor-strip which extends across the top of the V-shaped cut-out 15, said strip being secured at its ends to opposed parts of the band 11, and at the inner side of the band 11 is loosely disposed an attenuated, imperforate sanitary sheet 20 secured at its top to said anchor-strip, and at 21 is indicated a pouch which is constructed of strong, attenuated, imperforate material, preferably of rubber, said pouch being provided with an opening 22 in its side for receiving a filler 23, the wall of the pouch, below its opening 22, having an upward extension 21' and thereby provides a receptacle at its bottom.

The sanitary sheet and pouch are preferably of rectangular form, and when the parts are assembled the sheet 20 will extend somewhat below the bottom of the pouch, and the pouch is detachably secured at its upper end to the anchor-strip by any suitable means, the means illustrated for this purpose being snap-hooks 24 shown in Fig. 8 of the drawings.

The contour of the human body or abdomen is indicated by a dotted line x in Fig. 6 of the drawings, and it will be understood that the filler 23 may normally engage the outlet or artificial anus, and since the filler may consist of a good quality of absorbent cotton or similar material, any chafing or discomfort may be avoided. Also it will be understood that any excessive liquid discharges coming into the pouch from the bowels may enter the lower part of said pouch, which operates as a reservoir by reason of the extension 21' shown in Fig. 6.

It will be seen that the belt may be maintained in a sanitary condition for the reason that the sheet 20 is disposed between the pouch and wings 16, and is of greater area than the pouch, and when removing the filler 23 and contents from the pouch, said pouch may be readily detached from the belt if desired.

Numeral 25 indicates a gathering element or fold which may be provided for the belt, to permit adjustments which may be required, and at 26 is indicated one of the stays used to provide stability, a plurality of said stays being used as may be required.

At 27 is indicated a gore of inverted V-shape which opens on the lower edge of the belt below the wings 16, this being of advantage in connection with the bottom member 12 for supporting the lower part of the abdomen.

It is considered that the object has been attained relative to quick adjustments of the belt, for the reason that the anchor-strip 20 is elastic and will permit removal of the pouch. However, if further access is desired, the wings 16 may be swung downwardly to permit access to sheet 20 and the pouch, and since the pouch is detachable from the anchor-strip it could then be removed through the cut-out 15, and it will be understood that, for the purpose of making these adjustments, no article of clothing need be removed.

I claim as my invention,—

1. A colostomy belt comprising a flexible band adapted to encircle the human body at the abdomen, and having a V-shaped cut-out opening on its upper edge, a pair of flexible wings swingably secured to the band and adapted to cover said cut-out, an anchor-strip extending across the upper part of the cut-out and secured to said band, a pouch of impervious material secured at its top to the anchor-strip and having an opening in its side, a filler of flexible absorbent material within said pouch, and an impervious sanitary sheet carried by said anchor-strip and extending below the pouch and interposed between said pouch and said wings.

2. A colostomy belt comprising a band having a V-shaped cut-out opening on its top and adapted to encircle a human body with its cut-out disposed at the front of the abdomen, an anchor-strip at the top of the V-shaped cut-out secured at its ends to the band, an imperforate pouch removably secured at its top to said anchor-strip, its side being provided with an opening for receiving absorbent flexible material, and means attached to said band and movable therefrom for covering said cut-out.

3. A colostomy belt consisting of a flexible band adapted to encircle the human body at the abdomen and provided with a cut-out opening on its upper edge, an anchor-strip extending across the upper part of the cut-out and secured at its ends to the band, a pair of wings swingably secured to the band and movable for covering said cut-out, an imperforate pouch carried by the anchor-strip and having an opening in its side for receiving an absorbent filler and disposed at the inner side of said wings, and a sanitary sheet secured to the anchor-strip and disposed between said wings and said pouch.

4. A colostomy belt comprising a flexible band arranged to encircle a human body at the abdomen and provided with a cut-out portion opening on its top, an elastic anchor-strip extending across the upper part of the cut-out portion and secured at its ends to said band, a pair of wings swingably attached to the band and adapted to be moved for covering said cut-out portion, an elastic pouch inwardly of the flexible band having an opening in its side and detachably secured to the anchor-strip, and a quantity of flexible absorbent material in said pouch.

5. A colostomy belt comprising a flexible band adapted to encircle a human body at the abdomen, and an elastic, impermeable pouch normally disposed at the inner side and detachably secured at its top to the band, said pouch having an opening in its side wall for receiving and permitting a flexible absorbent filler to bear against the abdomen, and providing a receptacle below said opening for receiving liquid material.

6. A colostomy belt comprising a flexible band having a V-shaped cut-out opening on its upper edge and adapted to encircle a human body with its cut-out at the front of the abdomen, an anchor-strip at the top of the cut-out secured to the band, an impermeable, elastic pouch carried by the anchor-strip having a cut-away portion in its side wall for receiving a flexible absorbent filler, and formed below said cut away portion as a receptacle for receiving a liquid.

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