

July 5, 1949.

C. C. FINE

2,475,488

TRUSS

Filed Jan. 26, 1948

2 Sheets-Sheet 1

Fig. 1.

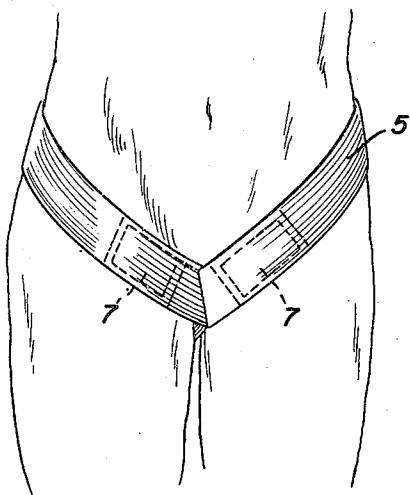


Fig. 2.

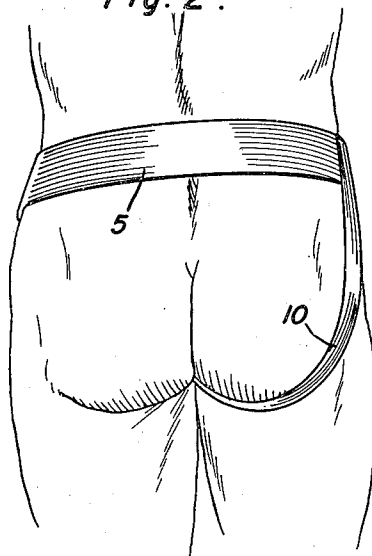
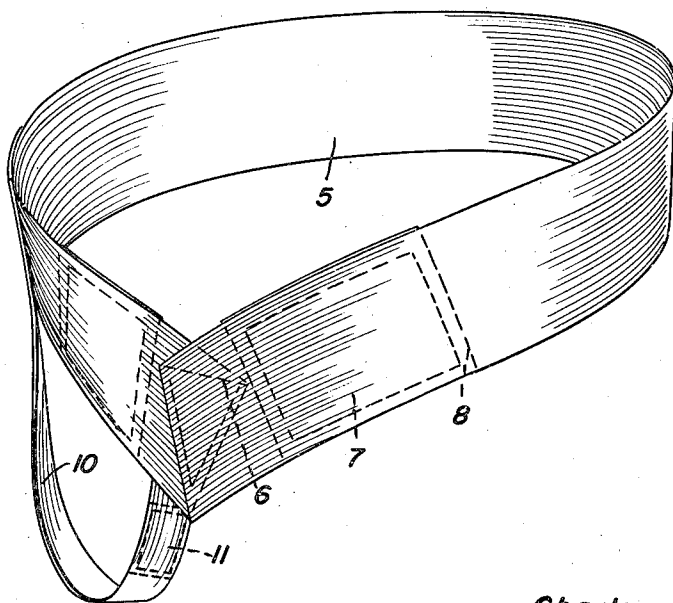


Fig. 3.



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Fig. 4.

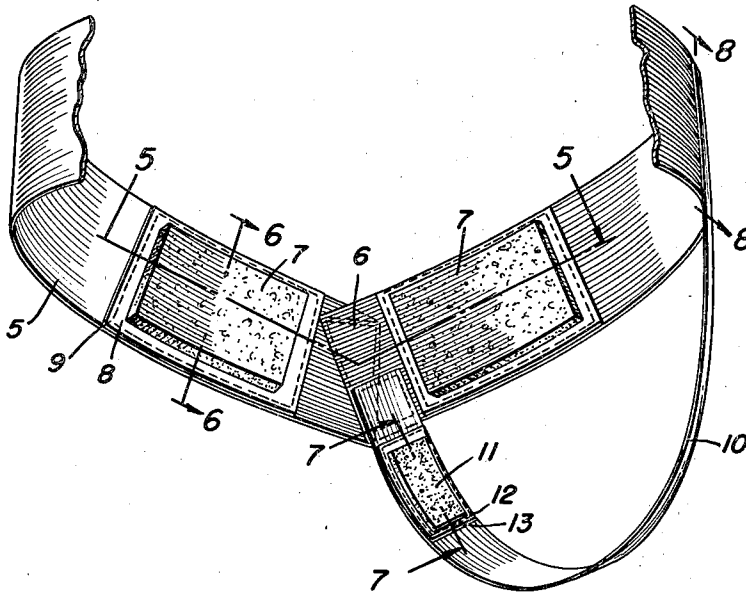


Fig. 5.

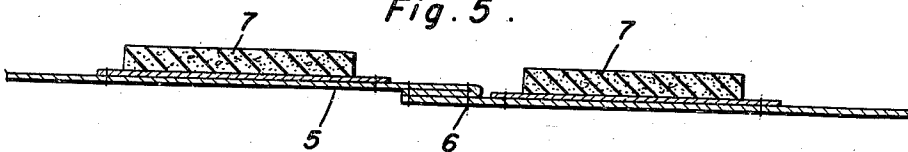


Fig. 7.

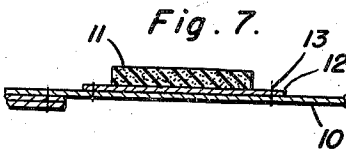


Fig. 6.

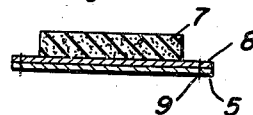


Fig. 8.

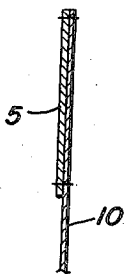
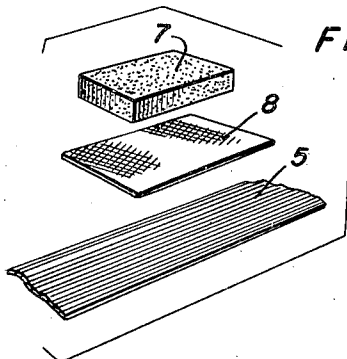


Fig. 9.



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UNITED STATES PATENT OFFICE

2,475,488

TRUSS

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Application January 26, 1948, Serial No. 4,419

2 Claims. (Cl. 128—101)

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The present invention relates to new and useful improvements in trusses for the retention of hernia ruptures and more particularly to the provision of an elastic belt and leg strap for holding one or more resilient rupture pads in a desired position on the body.

An important object of the invention is to provide a truss which may be readily adjusted in a desired position and which yields to the muscular and bodily movements of a person so that the truss may be worn with comfort.

A further object of the invention is to provide a truss of simple and practical construction, which is efficient and reliable in use, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a front elevational view of the truss in position on a body,

Figure 2 is a rear elevational view and showing the leg strap for holding the belt in position,

Figure 3 is an enlarged front elevational view of the truss,

Figure 4 is a rear elevational view with parts broken away and shown in section,

Figure 5 is a fragmentary substantially horizontal sectional view taken substantially on the line 5—5 of Figure 4,

Figure 6 is a transverse sectional view through one of the pads taken on a line 6—6 of Figure 4,

Figure 7 is a fragmentary longitudinal sectional view of the leg pad taken on a line 7—7 of Figure 4,

Figure 8 is a sectional view taken on the line 8—8 of Figure 4,

Figure 9 is a group perspective view of one of the pads and inelastic backing strips therefor.

Referring now to the drawings in details wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention the numeral 5 designates an elastic belt of suitable width having its ends overlapped in an inclined position with respect to each other and secured together by stitching 6. The belt is adapted for extending around the body of a person with the downwardly inclined ends of the belt positioned in front of the lower abdomen as shown in Figure 1 of the drawings.

Resilient pads 7 of sponge rubber or other

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suitable material are secured to the inner surface of the belt 5 in the region of its connected ends by means of inelastic backing tapes 8 to which the pads are cemented or otherwise suitably secured, the tapes being secured to the belt material by stitching 9. The pads 7 are of rectangular form extending longitudinally with respect to their connected ends of the belt and inclined with respect to each other, the pads being positioned respectively against the right and left hernia of the lower abdomen.

A leg strap 10 of suitable elastic material is secured at one end to the belt 5 in a position at one side of the body in the region of the hip, the strap 10 extending downwardly and rearwardly under the buttocks of the adjacent leg of a person and under the crotch and is attached at its other end to the connected ends of the belt 5.

A resilient pad 11 of sponge rubber or other suitable material is secured to the inner surface of the strap 10 adjacent its front end by means of an inelastic backing tape 12 to which the pad is cemented or otherwise suitably secured and the tape is secured to the strap 10 by stitching or the like 13. The pad 11 carried by the leg strap 10 clings to the leg at its inner side to prevent rubbing of the leg strap against the leg and thus avoid chafing or other discomfort.

In use of the truss the belt 5 is placed about the body of a person at the waistline thereof and with the downwardly inclined ends of the belt at the front of the person to position the pad 7 against a hernia or rupture at either the right or left side of the lower abdomen. The leg strap 10 holds the front end of the belt 5 downwardly to prevent riding of the belt upwardly on the body.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A truss comprising an elastic belt for encircling the waist of a person, said belt having ends permanently connected together in angular relation to form a V-shaped front for the belt,

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a leg strap permanently attached at one end to one side of the belt and at its other end to said front in the center thereof, said strap extending downwardly and rearwardly behind the adjacent hip and under the crotch of the person, a resilient pad carried by said belt at one side of the center of said front for binding by the belt against the lower abdomen, and a similar pad on said leg strap adjacent the belt for preventing the leg strap from chafing the crotch.

2. A truss comprising an elastic belt for encircling the waist of a person, said belt having ends permanently connected together in angular relation to form a V-shaped front for the belt, a leg strap permanently attached at one end to one side of the belt and at its other end to said front in the center thereof, said strap extending downwardly and rearwardly behind the ad-

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jacent hip and under the crotch of the person, a resilient pad carried by said belt at one side of the center of said front for binding by the belt against the lower abdomen, and a similar pad on said leg strap adjacent the belt for preventing the leg strap from chafing the crotch, said pads having inelastic backing tapes stitched to said belt and strap.

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REFERENCES CITED

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

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