Dec. 11, 1934. T. ZIMINSKI 1,983,829

HIP TRUSS

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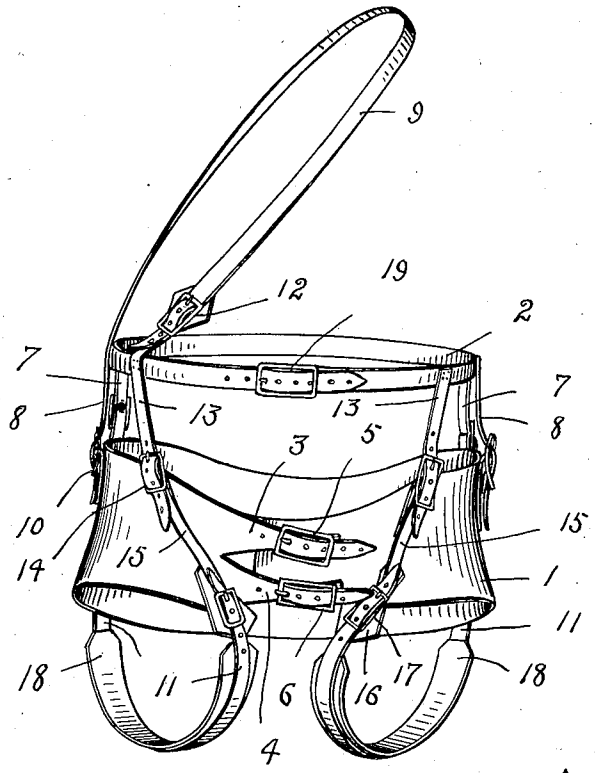


Fig. 1.

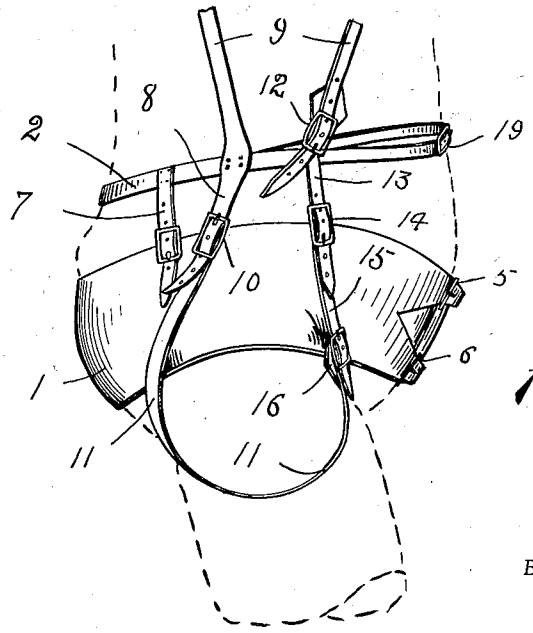


Fig. 2.

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HIP TRUSS

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1 Claim. (Cl. 128—78)

This invention relates to an improved body truss or harness and has special reference to one designed for the support of an injured or otherwise abnormal hip.

The principal objects of the invention are to provide a more practical, easily applied, device of this character than heretofore known, and one having the added advantage of permitting free movement of a body without undue stress or discomfort.

Other objects and advantages of the invention will appear in the following description thereof.

Referring now to the accompanying drawing forming part of this application and wherein like reference characters indicate like parts:

Figure 1 is a front elevation of one of the improved trusses.

Figure 2 is a side elevation of same.

In the event of injury to the hip or pelvis of the human body, one of the principal requisites of restoration to normalcy is the keeping of the different cooperative parts in the proper position, both initially and subsequent to a proper knitting of the bones, if fracture had taken place, and, while plaster casts and other means of supporting the parts in position may be and are usually restored to during certain stages of treatment for the injury, the use of a suitable truss and support is well known to be of prime importance. With this in mind, my improved truss is designed having the lowermost or hip engaging belt 1, materially wider than the waist belt or band 2, which is spaced thereabove, as clearly illustrated in the drawing. The hip belt is bifurcated at one end forming the two strap like members 3 and 4, they being for engagement with the two buckles 5 and 6, suitably spaced apart upon the opposite end of the belt whch is preferably reduced somewhat in size to suitably register with the bifurcated end of the belt; it being obviously desirable that a belt of this character be somewhat less in width at the front than at the rear or side portions thereof.

Now it is quite apparent that a wide band or belt of this type about the lower part of the body and over the hips would naturally tend to uncomfortably gravitate, and to overcome this, the waist band or belt 2 is attached to the hip belt upon either side thereof by means of a short strap 7, and the leg strap extension 8, the latter on one side of the body, if preferred, being a part of the continuous shoulder strap 9 which cooperates with the buckle 10 upon the rearmost end of the leg strap 11 where it is also fixed to the hip belt. I have shown the shoulder strap as occurring only upon one side of the harness, whereas it is quite obvious that there may be two of such one upon either side, or one only on the left side, depending of course upon the extent of the injury for which the harness is used. The other end of the shoulder strap 9 is designed to cooperate with the buckle 12 upon the short foremost side strap 13 which is also adjustably attached as by the buckle 14 to the extension strap 15 preferably attached at both ends to the hip belt to prevent same from unduly wrinkling in the groin. In addition, pads, such as illustrated at 16 may be provided beneath the buckle 17 upon the lower end of the short strap 15 to prevent friction at this point, as the buckle is for adjustable cooperation with the front end of the leg strap 11. These leg straps may also be provided with cushioning pads as illustrated at 18, if so desired.

A suitable buckle connection is illustrated at 19 for the waist band 2, and also a similar connection as at 12 for the front end of the shoulder strap 9, so that the entire device is more conveniently adjustable to bodies of different size, and when the device is applied to or removed from the body, the same may be accomplished with the least annoyance possible as to the separable parts.

It is obvious that the entire harness may be made of any suitable material, but those in actual practice have been made of chamois leather, having the added characteristic of comfort to the wearer as well as being wholly free from sharp edges that might cause discomfort, and this material also has the tendency to curl at the edges and thereby reduce their frictional contact with the body.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

A body harness particularly adapted for the support of an injured hip comprising a relatively wide major belt for engagement about the lower extremity of the torso including the hips, a narrow supporting waist belt spaced above and attached to the major hip belt, leg straps depending from the major belt the ends of which converge to and over the major belt to which they are fixed and also extending to and attached to the waist belt upon the right and left sides thereof, and a shoulder strap extending from the union of the upper termini of a leg strap with the waist band to the diagonally opposite shoulder.

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