J. M. McCLURE.

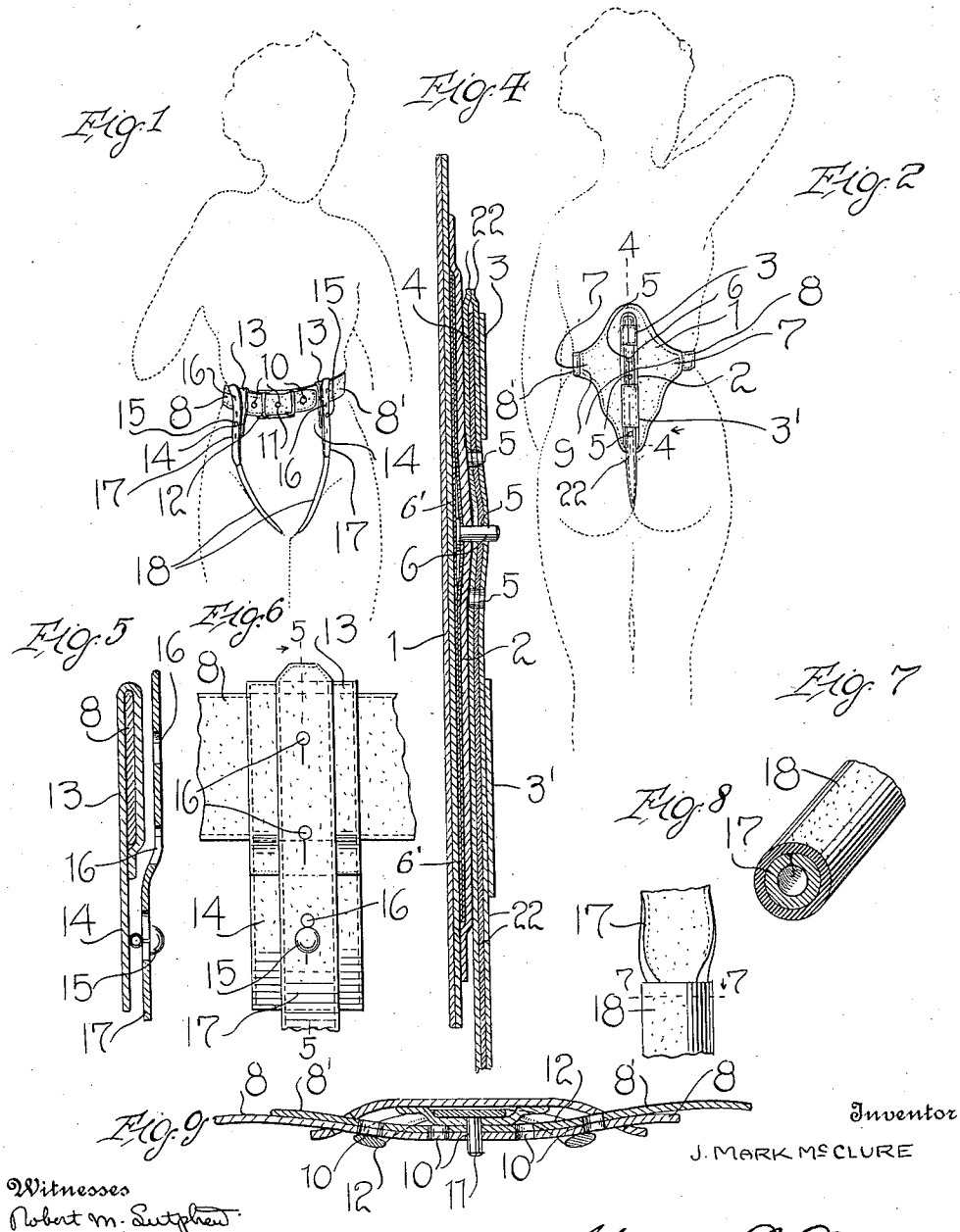
TRUSS.

APPLICATION FILED JAN. 13, 1914.

1,141,569.

Patented June 1, 1915.

2 SHEETS—SHEET 1.



Witnesses
Robert M. Sutphen
A. L. Hind.

Inventor
J. MARK McCLURE

By Watson E. Coleman
Attorney

J. M. McCLURE.

TRUSS.

APPLICATION FILED JAN. 13, 1914.

1,141,569.

Patented June 1, 1915.

2 SHEETS—SHEET 2.

Fig. 10

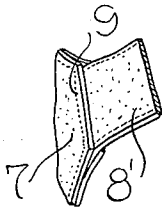


Fig. 3

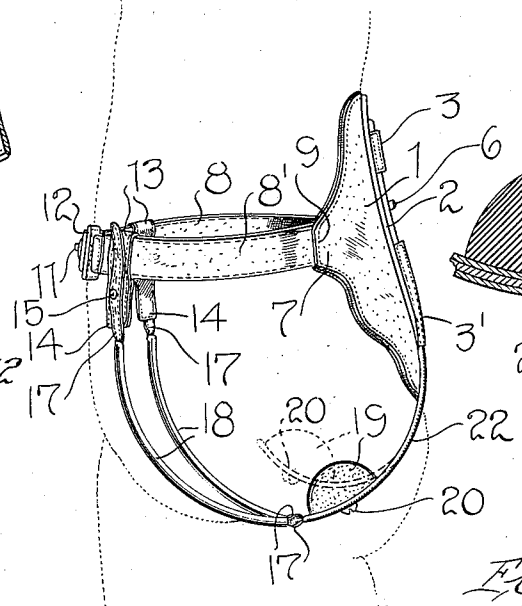


Fig. 11

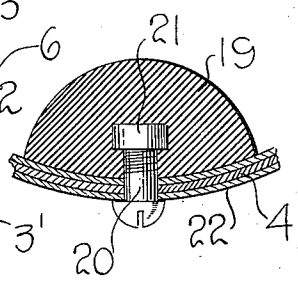


Fig. 12

Fig. 13

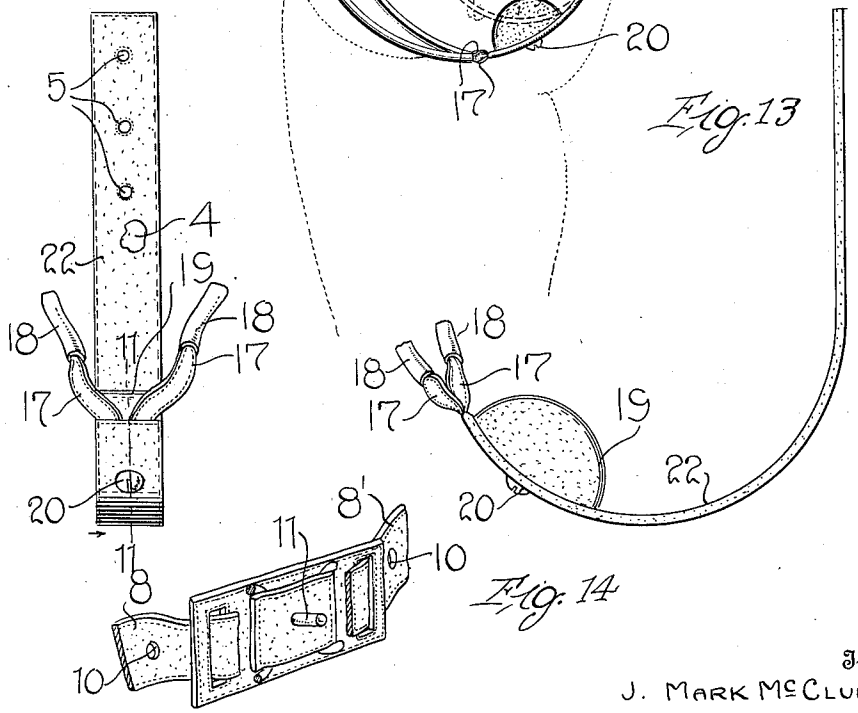


Fig. 14

Witnesses
Robert M. Sutphen
A. L. Hind.

Inventor
J. MARK McCLURE

By Watson E. Coleman
Attorney

UNITED STATES PATENT OFFICE.

JOHN M. McCLURE, OF WINCHESTER, KENTUCKY.

TRUSS.

1,141,569. Specification of Letters Patent. Patented June 1, 1915.

Application filed January 13, 1914. Serial No. 811,888.

To all whom it may concern:

Be it known that I, JOHN M. McCLURE, a citizen of the United States, residing at Winchester, in the county of Clark and State of Kentucky, have invented certain new and useful Improvements in Trusses, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to new and useful improvements in trusses and more particularly to an improved pile truss, the main object of the invention is the provision of a pile truss which is adapted for application to the person suffering so that the supporting member will be disposed directly within the rectum to readily adapt the same to the purpose for which it is intended.

Another object of the present invention is the provision of a truss of the above character which will possess advantages in points of efficiency and durability, is inexpensive to manufacture and at the same time is simple in construction and operation.

With the above and other objects in view, the invention consists in the novel features of construction and the combination and arrangement of parts to be hereinafter more fully described, pointed out in the claims and shown in the accompanying drawings, in which—

Figure 1 is a front elevation illustrating the application of my device; Fig. 2 is a rear view; Fig. 3 is a side elevation; Fig. 4 is a transverse sectional view taken on the line 4—4 of Fig. 2; Fig. 5 is a transverse sectional view taken on the line 5—5 of Fig. 6; Fig. 6 is a front elevation of one of the supporting loops; Fig. 7 is a detail transverse sectional view taken on the line 7—7 of Fig. 8; Fig. 8 is a side elevation illustrating the respective positions of one of the retaining straps and casing therefor; Fig. 9 is a longitudinal sectional view taken through the buckle; Fig. 10 is a detail perspective view illustrating the manner of securing the supporting straps to the body pad; Fig. 11 is a sectional view taken on the line 11—11 of Fig. 12; Fig. 12 is a front elevation of the resilient supporting member; Fig. 13 is a side elevation of the resilient supporting member and supporting pad; and Fig. 14 is a detail perspective view of the securing buckle.

In carrying out my invention, I provide a back pad preferably of the shape and size as indicated by the accompanying drawings and which is generally indicated by the numeral 1. This pad 1 is formed of leather, the leather on the inner face next to the back is of somewhat softer material than the outer face of the pad, the leather of the outer face being preferably in the finished smooth state. Secured to the outer face of the pad 1 and arranged centrally thereof is a reinforcing strap 2, which is preferably sewed or otherwise secured to the pad.

Secured to the strap 2 are the spaced loops 3 and 3′, the loop 3′ being slightly longer than the loop 3. A resilient metal supporting member 4 is provided having a plurality of openings 5 formed therein which are adapted to receive the stud 6 carried by the strip 2 and disposed between the loops 3 and 3′. The end of said supporting member is engaged within the loops to retain the same into engagement with the stud 6 so as to prevent longitudinal movement of the end of the supporting member with respect to the pad.

The head of the stud 6 is disposed between the two strips of sheet metal, generally indicated by the numeral 6′ and which are held in place by the strap 2. It will be apparent that the stud 6 is rigidly secured to the pad 1.

The side portions of the pad 1 are provided with the outwardly projecting ears 7 to which are secured the supporting straps 8 and 8′ said straps being adapted to encircle the waist of the wearer to support the pad 1 in its effective position, as illustrated in Fig. 2. The inner ends of the straps 8 and 8′ are sewed or otherwise secured to the ears 7, as shown at 9. The outer ends of the strap are provided with a plurality of openings 10 which are adapted to receive the stud 11 carried by the double loop buckle 12. In fastening the ends of the straps 8 and 8′ to the buckle 12, the ends are inserted through the loops thereof until any one of the openings 10 will receive the stud 11 so as to hold the straps in their effective position.

Slidably mounted upon the straps 8 and 8′ are the loops 13, the lower ends of which terminate into the tongues 14, having thereon the buttons 15 which are adapted to engage within the openings 16 formed in the upper ends of the retaining straps 17. The retaining straps are sewed or otherwise secured at their inner ends to the outer end of the supporting member 4 and are inclosed within a rubber tube 18 so as to eliminate

all chafing of these parts as they come in contact with the body of the wearer.

Mounted upon the lower or substantially horizontally disposed end of the supporting member 4 is the anus pad 19 which is preferably semi-circular in shape and is bolted or secured in any suitable manner to the supporting member along its cut or straight edge. It will be noticed that the pad 19 is formed of a suitable substance such as hard rubber and is retained in its effective position by means of a bolt 20 which extends upwardly through an opening in the supporting member and a nut 21 is threaded thereon and embedded within the pad to retain the same in position.

The resilient supporting member 4 is suitably inclosed within a casing of soft leather, as shown at 22, so that irritation of the skin will be eliminated as much as possible. In placing my improved truss in position, the supporting member 4 and the pad 19 are first placed in position, the body pad 1 is then placed against the back and the ends of the straps 8 and 8′ are encircled around the waist and fastened to support the aforesaid elements in position. In order to retain the pad 19 against movement, the retaining straps 17 are passed between the legs of the wearer and removably secured to the buttons 15 so that they may be quickly removed when it is desired to remove the truss.

From the above, it will be readily apparent that I have provided a simple and durable device of the character described which can be quickly and readily applied to the person suffering or readily removed.

It will also be apparent that the device is extremely simple in its construction and can be manufactured at a comparatively low cost.

It will be understood that while I have shown the different supporting parts of my device as formed of leather, that any form of material may be used, and while the pad 19 is shown as formed of a hard rubber substance, it will be understood that any material may be used in place of the same.

While I have shown and described the preferred form of my invention, it will be obvious that various changes in the details of construction and in the proportions may be resorted to for successfully carrying my invention into practice without sacrificing any of the novel features or departing from the scope of the appended claims.

What I claim is:—

1. A device of the character described comprising a back pad provided with retaining means, two alined spaced loops carried by said pad, one of said loops being of a length in excess of the other, a stud projecting outwardly from the pad intermediate the loops, an elongated resilient member having one extremity adapted for insertion through the loops of the pad and provided with longitudinally spaced openings to receive the stud of the pad, and an anus pad carried by the free extremity of the resilient member.

2. A device of the character described comprising a back pad provided with retaining means, vertically spaced alined loops carried by the pad, the lowermost of said loops being of a length in excess of the upper loop, a stud projecting from the pad at a point intermediate the loops, an elongated resilient member having one extremity insertible through the loops and provided with longitudinally spaced openings adapted to receive the stud, and an anus pad carried by the free extremity of the resilient member.

3. A device of the character described comprising a back pad provided with retaining means, vertically spaced alined loops carried by the pad, the lowermost of said loops being of a length in excess of the upper loop, a stud projecting from the pad at a point intermediate the loops, an elongated resilient member having one extremity insertible through the loops and provided with longitudinally spaced openings adapted to receive the stud, an anus pad carried by the free extremity of the resilient member, and retaining means coacting with the free extremity of the resilient member.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

JOHN M. McCLURE.

Witnesses:

F. J. JOUETT,

HERBERT MOORE.