(No Model.)

A. PULLAR.

TRUSS.

No. 318,434. Patented May 19, 1885.

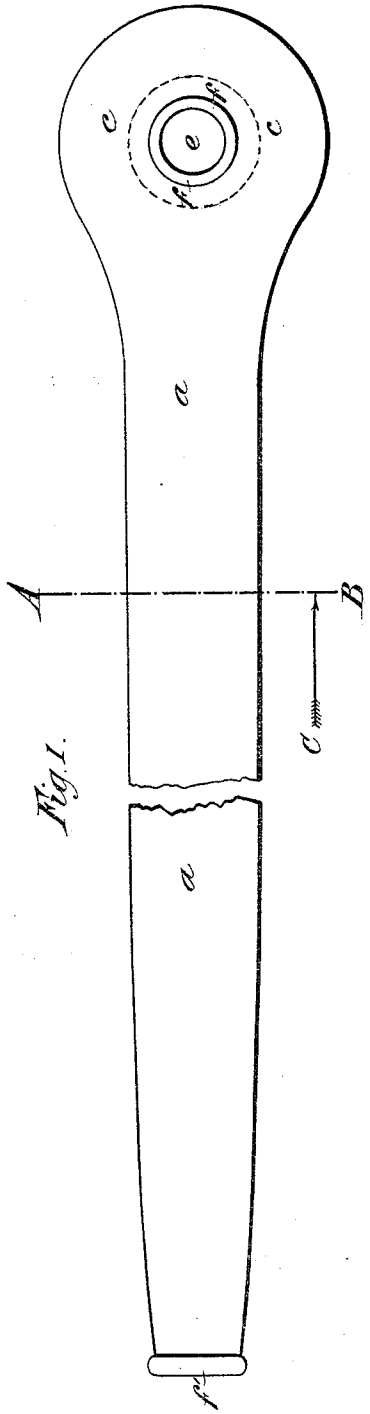


Fig. 1.

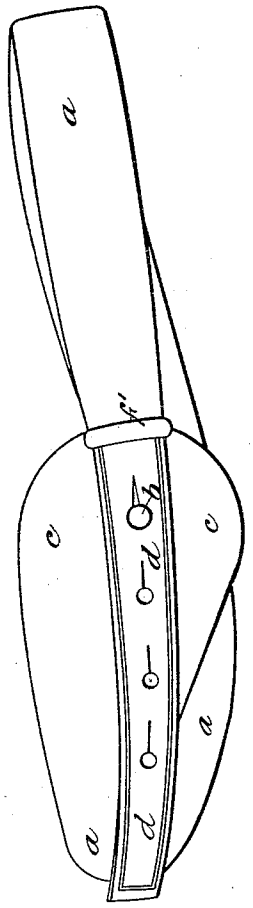


Fig. 3.

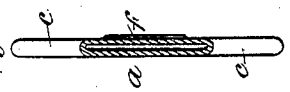


Fig. 2.

Section on line A–B looking in the direction indicated by the arrow C

Witnesses:-
Geo. L. Wheelock
Victor A. Lewis

Inventor:
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his attys.

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UNITED STATES PATENT OFFICE.

ALFRED PULLAR, OF EDINBURGH, COUNTY OF MID-LOTHIAN, SCOTLAND.

TRUSS.

SPECIFICATION forming part of Letters Patent No. 318,434, dated May 19, 1885.

Application filed September 13, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALFRED PULLAR, of Edinburgh, in the county of Mid-Lothian, Scotland, have invented an Improvement in Surgical Trusses, of which the following is a specification.

The invention relates to an improvement in surgical trusses, and has for its object the protection of every portion of such trusses from the perspiration exuded or the moisture emitted from the human body, and also from water during bathing.

The invention consists of a sheath of vulcanized caoutchouc, or of other suitable flexible material, of such a shape as to adapt it to cover the entire metallic portion of the band, as also the pad of the truss, as will be described with reference to the accompanying drawings, in which—

Figure 1 is a face view of the soft-rubber casing or sheath. Fig. 2 is a transverse section thereof on the line A B, looking in the direction of the arrow. Fig. 3 is an elevation of a truss with my improved sheath applied.

a represents the sheath which is slipped over the pad and belt of the truss, so as to exclude all moisture from contact therewith. This sheath is provided at the enlarged portion *c*, which is adapted to inclose the pad of the truss, with an eye for the passage of the stud or button *b*, which projects from said pad, and over which the button-holes in the strap *d* for securing the truss to the wearer are adapted to be slipped. To prevent tearing, this eye is re-enforced or the material doubled, as shown at *f*; and in order to cover that portion of the pad which would be exposed through said eye I employ a flat rubber plate or washer, *e*, which is punctured and slipped over the stud *b*, its edges underlying those of the eye, as shown by dotted lines in Fig. 1. This is important, as without the use of such a plate or washer water would be admitted through the eye and be absorbed by the pad or find its way to the inside of the sheath, and thereby damage the truss.

The re-enforce *f* is not only beneficial as such, but also serves to exclude the water from the interior of the sheath by bearing firmly against the face of the pad.

The open end of the sheath *a* is contracted, and also re-enforced, as represented at *f'*, in order to prevent the admission of water at this point.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. The combination, with the belt and pad of a truss, of a flexible sheath for completely inclosing them, open at one end and having an eye for the passage of a stud projecting from the back of the truss, as and for the purpose set forth.

2. In combination, a truss having a band or belt, a pad, and a stud, *b*, projecting therefrom, a sheath, *a*, open at one end, having an enlargement, *c*, at the other, and an eye for the passage of the stud *b*, and a rubber washer, *e*, surrounding said stud, as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALFRED PULLAR.

Witnesses:

DAVID THOMAS CLEMENT,

FRANCIS JAMES GRANT,

Law Clerks, both of 21 *Charlotte Square, Edinburgh.*