(No Model.)

J. T. DUGGER.

HERNIAL TRUSS.

No. 588,964. Patented Aug. 31, 1897.

Fig. 1.

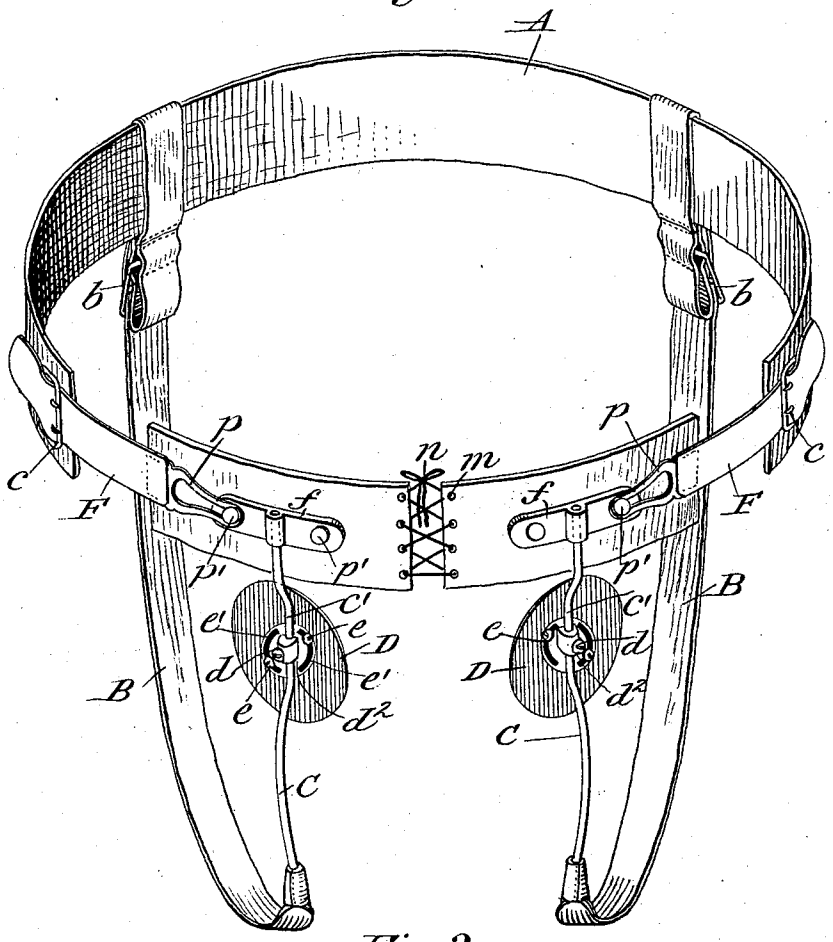
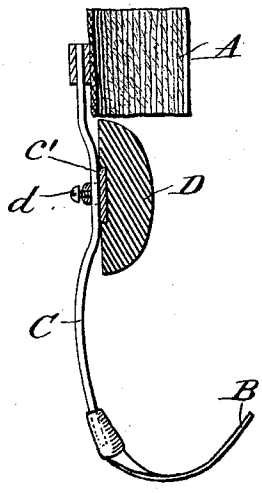


Fig. 2.



Attest:
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UNITED STATES PATENT OFFICE.

JESSE TYNER DUGGER, OF CHATTANOOGA, TENNESSEE.

HERNIAL TRUSS.

SPECIFICATION forming part of Letters Patent No. 588,964, dated August 31, 1897.

Application filed November 10, 1896. Serial No. 611,658. (No model.)

To all whom it may concern:

Be it known that I, JESSE TYNER DUGGER, a citizen of the United States, residing at Chattanooga, in the county of Hamilton and State of Tennessee, have invented certain new and useful Improvements in Trusses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to trusses; and the object thereof is to so construct the same that its tendency at all times will be to have an upward and even pressure of the pads, thus lifting up against the rupture instead of pressing inward or downward.

With these and other objects in view my invention consists in the construction, arrangement, and combination of parts and in the various details thereof, as will be first fully pointed out in the specification and then claimed.

In the drawings forming a part of this specification, and in which like symbols of reference indicate corresponding parts in the several views, Figure 1 represents a perspective view of a double truss constructed according to my invention; and Fig. 2, a vertical section through one of the pads and the belt thereof, showing its relation to the vertical rigid rod.

A represents the body-belt of my truss; B, bands connected with the same and forming the understraps, which pass between the legs of the wearer for the purpose of tensioning the pads of the truss with relation to the wearer.

C are vertical rigid rods carrying the pads D, said pads riding upon and being adjustable upon the same by means of set-screws *d*. These rods C have an inwardly inclined or depressed portion *c'*, and it is upon this depressed portion that the pads are intended to be adjusted, the purpose of said arrangement being that the lower or arched portion of the rods will pass clear of the body of the wearer or over the pubis bones, so that no chafing or uncomfortable feeling will be produced by the same.

At either side of the belt are adjusting-pieces F for regulating the same to the body of the wearer, said adjusting-pieces having attaching-pieces *p*, which take onto the buttons *p'* on plates *f*, attached to the front portion of the strap.

m are eyelets, and *n* a string for lacing and unlacing the body-belt A.

The opposite ends of straps F are connected to the rear portion of the belt by means of buckles *c*, thus allowing ample means of adjusting said belt in its various portions.

Bands B are attached at their rear to the strap A by means of buckles *b*, and at the front to the rigid rods C, said rigid rods being in turn connected or journaled in the plates *f*, attached to the front portion of the body-belt.

The pads D are rotarily adjustable by means of set-screws *e*, playing in slots *e'*, formed in the plates d^2, which are sunk in the pads D. Thus it will be seen that the pads are adjustable in every direction to conform to the body of the wearer, as well as to the position of the rupture. When the rear portion of the straps B are taken up, pressure is exerted on the lower portion of the pad, thereby lifting up against the rupture instead of pressing inward or downward.

It is apparent that I may make minor changes and modifications to my invention without departing from the spirit of the same. It is also apparent that I may use either one or two pads or rods, as desired, for use either in single or double rupture.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a truss, the combination with the body and leg straps thereof, of vertical rigid rods connecting the front portion of the leg-straps to the body-strap, plates connecting the rigid rods to the body-belt, pads on said rigid rods and having vertical and rotary adjustment with relation to the same, and inwardly-bent portions in the rigid rods upon which the pads are adapted to be adjusted, said bent portions permitting the rods to lie clear of the body of the wearer.

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

JESSE TYNER DUGGER.

Witnesses:
WM. S. PROBASCO,
W. C. WEBSTER.