

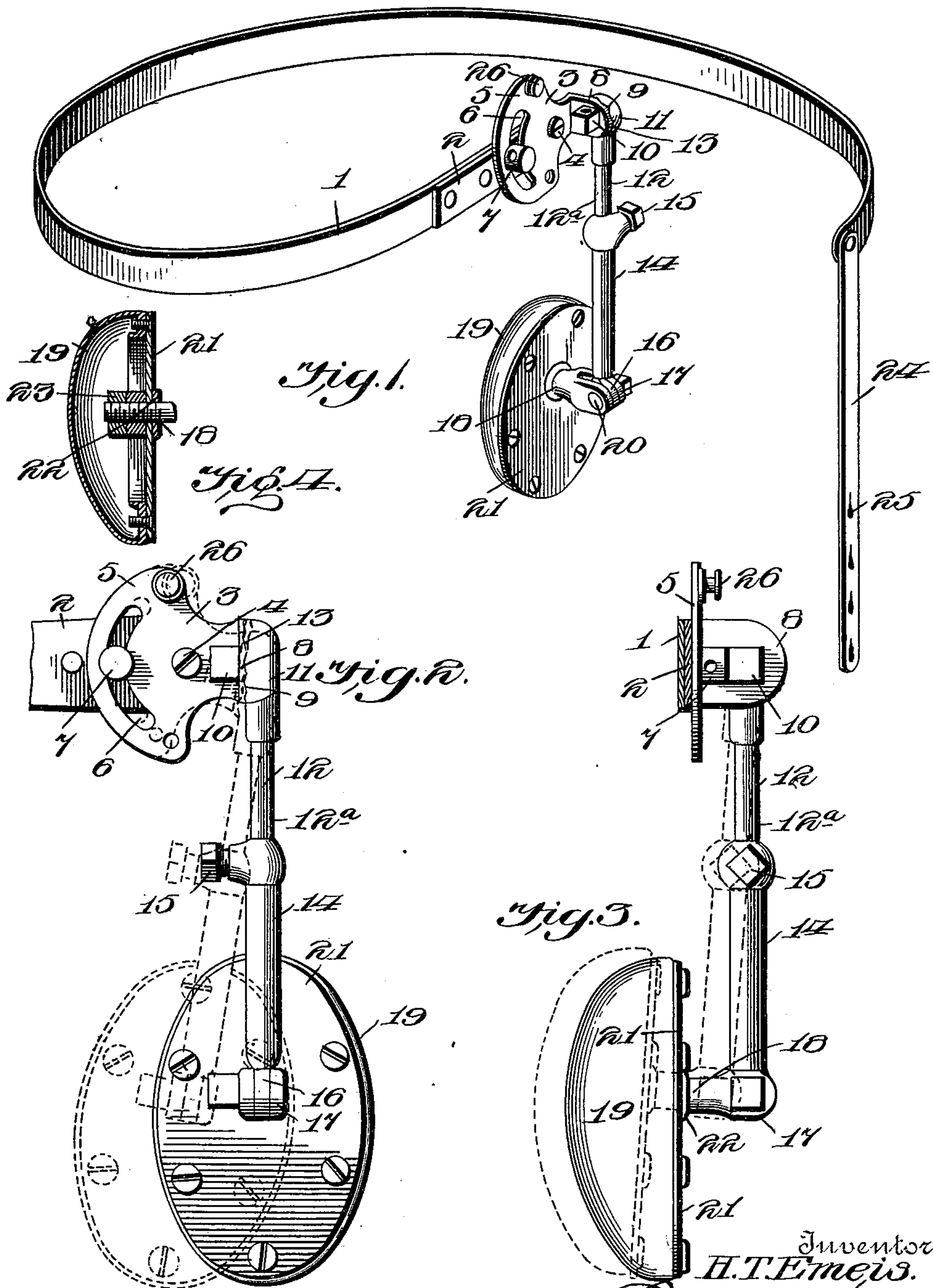
No. 675,131.

Patented May 28, 1901.

H. T. EMEIS.  
HERNIAL TRUSS.

(Application filed Nov. 13, 1900.)

(No Model.)



Witnesses  
*Geo. S. Dyer*  
*Louis G. Julihn*

By

Inventor  
*H. T. Emeis*  
*E. G. Sigg*

Attorney



# UNITED STATES PATENT OFFICE.

HENRY T. EMEIS, OF SALT LAKE CITY, UTAH.

## HERNIAL TRUSS.

SPECIFICATION forming part of Letters Patent No. 675,131, dated May 28, 1901.

Application filed November 13, 1900. Serial No. 36,403. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY T. EMEIS, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented a new and useful Truss, of which the following is a specification.

This invention relates to improvements in hernial trusses, and has for its object to provide for such universal adjustment of the pad or ball as will facilitate the location thereof upon the wound with the utmost accuracy and comfort to the wearer.

To the accomplishment of this object and others subordinate thereto, as will hereinafter more fully appear, the invention consists in the construction and arrangement of parts to be fully described, illustrated in the accompanying drawings, and defined in the appended claims.

In said drawings, Figure 1 is a perspective view of my truss complete. Fig. 2 is an elevation, on a somewhat-enlarged scale, illustrating more clearly the construction of the pad supporting and adjusting mechanism and showing the pad swung laterally in dotted lines. Fig. 3 is an elevation, partly in section, of the subject-matter of Fig. 2, but viewed at right angles to said figure, and showing the pad swung toward the body in dotted lines; and Fig. 4 is a sectional view through the pad, illustrating the manner in which it is revolubly supported upon its shank.

Referring to the numerals employed to designate corresponding parts throughout the views, 1 indicates the body spring or band of my truss, upon one end of which is riveted a reinforcing-plate 2, designed to stiffen the end of the spring for the support of a pivoted post-supporting bracket 3, mounted upon the pivot 4, outstanding from the face of the reinforcing-plate 2 adjacent to the end of the spring. The bracket 3 is provided at one side of its pivot with a segmental enlargement 5, having an elongated slot 6, curved concentric with the axis of the bracket and designed for the reception of a clamping-screw 7, extending from the plate 2 and having its head opposed to the outer face of the bracket, against which it is screwed for the purpose of securing said bracket in its adjusted positions. At the side of the pivot 4 opposite the slot 6 the bracket 3 is provided with an outstanding

flange 8, provided with a clutch-face 9 and with a swivel-bolt 10, passed through the center of the flange 8 in a direction at right angles to the pivot 4 and supporting the enlarged head 11 of an extensible post 12. The head 11 is provided with a clutch-face 13, opposed to the face 9 of the flange 8 and designed to be drawn into engagement therewith by the bolt 10, which after passing through the flange is received within a threaded opening in the head. The extensible pad-supporting post 12 is composed of the telescoping sections 12<sup>a</sup> and 14, the latter of which is provided at its upper end with an abutment-screw 15, designed to fix the sections in their adjusted positions, and at its lower end with an apertured lug 16, received between a pair of bifurcations 17 of what I shall term the "pad-shank" 18, carrying a pad 19 of any suitable form and pivotally connected to the lower end of the post 12 by a headed pintle 20, passed through the ears 17 and the lug 16. Thus it will appear that by reason of the pivotal mounting of the post-supporting bracket 3 the post may be swung laterally, as indicated in dotted lines in Fig. 2, to present the pad over the rupture, that by reason of the pivotal mounting of the post upon an axis at right angles to the axis of the bracket the pad may be adjusted toward or from the wound, and that by reason of the pivotal mounting of the shank, which ordinarily stands at right angles to the post 12, the pad may be tilted in order to direct the pressure against the body of the wearer at the proper point. I desire, however, to carry the invention still further by mounting the pad revolubly upon its shank. This end I attain by passing the shank 18 loosely through the pad-plate 21 and by revolubly retaining said plate upon the shank against a flange 22, formed upon the latter, and between said flange and a nut 23, screwed upon the inner end of the shank. This position of the plate is of course effected before the latter is screwed to the pad, and when so affixed the pad will obscure the connection, but will be revoluble upon its shank to accommodate itself to the exact position of the rupture.

24 indicates the usual strap, secured at one end to the end of the body-spring and provided with a series of openings 25, designed



for the reception of a button 26 upon the post-bracket 3.

From the foregoing it will appear that I have produced a truss the pad of which is  
5 designed to have universal movement for the purpose of accommodating it to the exact location and nature of the rupture, the extensible post being pivotally swung from a pair of axes disposed in right-angular relation and  
10 the pad being rotatable around the post as an axis, capable of being tilted by the pivotal adjustment of its shank and, further, capable of being rotated upon the shank to dispose its major axis in any desired direction;  
15 but while the present embodiment of my invention appears at this time to be preferable I desire to reserve the right to effect such changes, modifications, and variations of both the form and arrangement of the device as  
20 may be properly comprehended within the scope of the protection prayed.

What I claim is—

1. A truss comprising a body-band, a post-supporting bracket pivotally mounted flat  
25 against the face of the body-band and provided with an outstanding flange in right-angular relation with the bracket and located at one side of the axis thereof, retaining means carried by the band and engaging the  
30 bracket at the opposite side of its axis, a pendant post pivoted against the face of the flange, means for securing the post in its adjusted positions with respect to its support, and a pad swiveled at the lower end of the  
35 post.

2. A truss comprising a body-band, a post-supporting bracket pivotally mounted thereon and provided with a concentric slot and  
40 outstanding flange having a clutch-face, an adjusting-screw passed through the slot in the bracket for retaining the latter in its adjusted position, a post provided with a clutch-face opposed to the face of the flange, a swiveled screw piercing the flange and post at right  
45 angles to the axis of the bracket and designed to retain the post in its adjusted positions, and a pad supported by the post.

3. A truss comprising a body-band, a pivoted post-supporting bracket carried thereby and provided with an angularly-related out- 50 standing flange, means for securing the bracket in its adjusted positions upon the body-band, an extensible post provided with a head pivotally connected to the flange of the bracket upon an axis disposed at right 55 angles to the axes of both the post and plate, a pad-shank pivoted at one end to the lower end of the extensible post, a pad-plate revoluble upon the shank, and a pad secured to the plate. 60

4. A truss comprising a body-band, a post-supporting bracket pivotally mounted thereon, and provided with a concentric slot and an outstanding flange having a clutch-face, an adjusting-screw passed through the slot 65 in the bracket for retaining the latter in its adjusted positions, an extensible post provided with a clutch-face opposed to the flange, a screw piercing the flange and post at right angles to the axis of the bracket and designed 70 to retain the post in its adjusted position, a pad-shank pivoted at the lower end of the extensible post upon an axis at right angles to the axis of said post, and a pad revoluble upon the shank. 75

5. A truss comprising a body-band, a post-supporting bracket pivotally mounted upon the band, and provided at one side of its axis with an outstanding flange, retaining means carried by the band and engaging the bracket 80 at the side of the axis thereof opposite the flange, an extensible post having pivotal connection with the flange upon an axis at right angles to the axis of the bracket, a pivoted pad-shank located at the lower end of the post, 85 and a pad swiveled upon said shank.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HENRY T. EMEIS.

Witnesses:

OSCAR GROSHALL,  
F. H. GROSHALL.