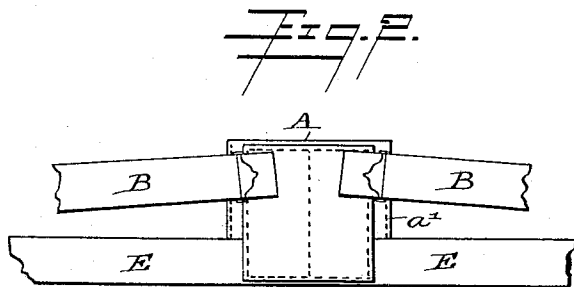
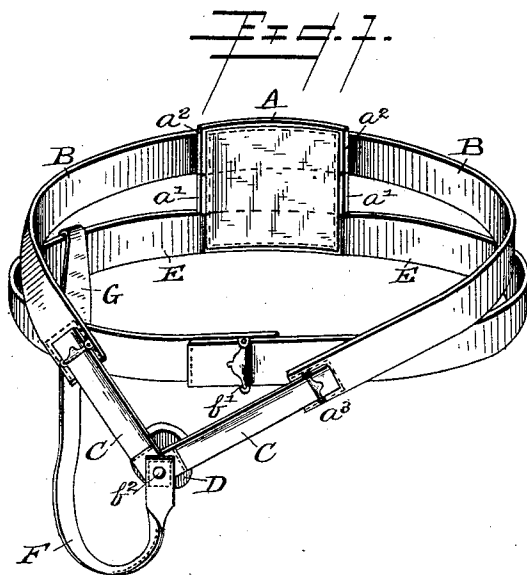


(No Model.)

J. A. MARVIN.
TRUSS.

No. 480,775.

Patented Aug. 16, 1892.



Witnesses

Josh Blackwood
Albert B. Blackwood

Inventor
John Albert Marvin
by Wm. H. Doolittle
Attorney

UNITED STATES PATENT OFFICE.

JOHN ALBERT MARVIN, OF LANSING, MICHIGAN.

TRUSS.

SPECIFICATION forming part of Letters Patent No. 480,775, dated August 16, 1892.

Application filed October 14, 1891. Serial No. 408,677. (No model.)

To all whom it may concern:

Be it known that I, JOHN ALBERT MARVIN, a citizen of the United States, residing at Lansing, in the county of Ingham and State of Michigan, 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 has for its object the improvement in the manner of supporting and adjusting the truss-pad.

My improvements are especially adapted to inguinal and femoral trusses, although part of them may be employed with other forms.

In many forms of trusses the pad is secured to one or more straps that in turn are secured to a single body strap or belt, or the pad is secured directly to the body-belt. The difficulty experienced in such cases is that the belt slips up or down, especially down, with those persons who have hardly any or slightly-projecting hips, or it becomes disarranged by the motion of the body or legs, thus disturbing constantly the position of the pad and causing great annoyance and pain. To correct this and other difficulties, I employ the combination and arrangement of belt, pads, and straps, as hereinafter described and claimed.

My invention is illustrated in the accompanying drawings, in which Figure 1 is a front perspective view, and Fig. 2 a back view.

Referring to the drawings, A is a broad flexible back pad composed preferably of leather stitched to webbing and lined with silk. This leather piece is arranged vertically, and is strengthened and stiffened by a central longitudinal piece a' of flexible fabric, by a top longitudinal piece a^2 , and also by the bottom body-belt E. The piece A is also strengthened and stiffened by a central line of stitching.

To the top back portion of the back pad A and on its opposite sides, is securely pivoted by means of rivets, two adjustable straps B B. These straps are passed around the body, and

to their front ends are secured by means of 50 loop-hooks a^3 two V supporting-straps C, which extend down from the straps B B and carry and directly support a truss-pad D; but, if preferred, the straps B B may be extended directly down to and be connected to 55 the truss-pad in the same manner as are the straps C.

E is a single body-belt secured to the back pad A below the upper straps B and separated therefrom by a considerable space. 60 This lower strap E is passed directly around the body below the hips and its ends united in front by a loop-buckle b' .

F is a perineal band, one end of which is secured by means of a screw-pivot b^2 over the 65 ends of the straps C to the truss-pad D, and the opposite end of which is pivoted and permanently secured to a sliding leather loop G on one of the lower straps B. The straps B are passed nearly around the body and supported in position over the hips. It will be noticed that the whole bearing from which the truss-pad is mainly supported is thus thrown on the pad on the back through the upper straps B, which are mostly above the hips, 75 and by which arrangement the truss-pad is held in place and is not permitted to slide up and down with the movement of the body and the body-belt. This arrangement, too, combines a direct body-belt and abdominal support with a belt carrying a truss-pad, each performing its separate functions without interference, and yet both united to a common firm comfortable back support.

My improvements are as well adapted to 85 be used with double truss-pads by duplicating the straps by which they are connected to the lower abdominal belt, and in such case the advantages of my arrangement in giving support to the pad directly from the back 90 piece will be still more apparent.

What I claim is—

In combination with a truss-pad, a central back flexible support or bearing, a single 95 lower body-belt rigidly secured to said bearing and passed entirely around the lower part of the abdomen, unconnected with the truss-pad, with its two ends hooked in front, two

upper body-straps secured to the upper part
of said back support and to the truss-pad,
and a perineal strap, one end movably se-
cured to said lower body-belt and the oppo-
5 site end to the truss-pad, the truss-pad thus
held below the body-belt, substantially as de-
scribed.

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

JOHN ALBERT MARVIN.

Witnesses:

JOS. H. BLACKWOOD,
ALBERT B. BLACKWOOD.