N. JONES.

Improvement in Trusses.

No. 127,889. Patented June 11, 1872.

Fig. 1.

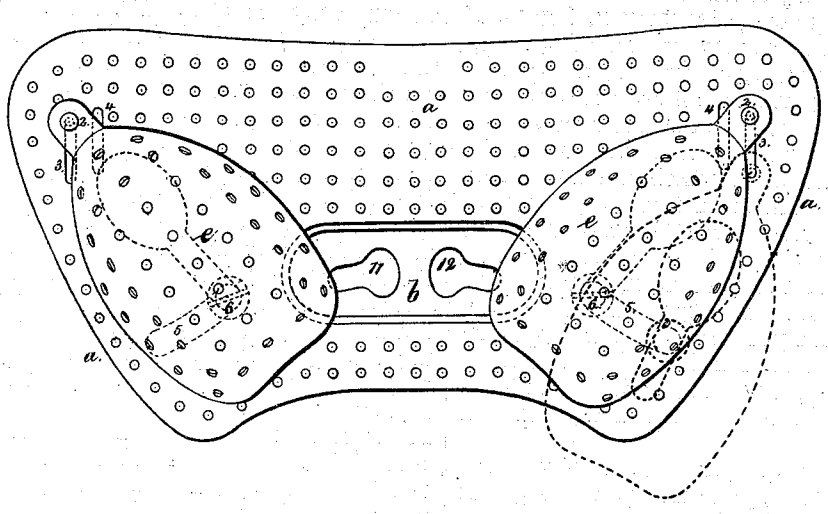


Fig. 2.

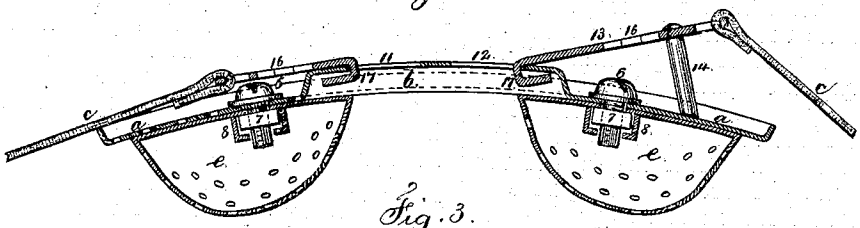
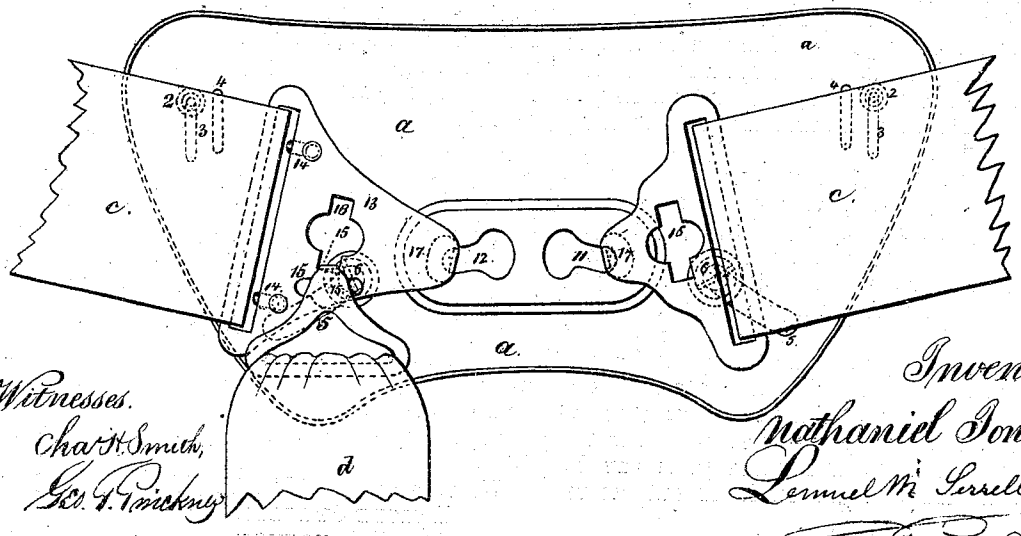


Fig. 3.



Witnesses.
Chas. H. Smith,
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Inventor.
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UNITED STATES PATENT OFFICE.

NATHANIEL JONES, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN TRUSSES.

Specification forming part of Letters Patent No. 127,889, dated June 11, 1872.

To all whom it may concern:

Be it known that I, NATHANIEL JONES, of Syracuse, in the county of Onondaga and State of New York, have invented an Improvement in Trusses, and the following is declared to be a correct description of the same.

This invention relates to a truss made of a perforated plate, upon which are adjustable pads; and the same is an improvement upon the devices patented to me December 20, 1870, and September 26, 1871.

The object of the present invention is to accommodate the varying widths of pelvis, and regulate the position of the truss-pad so as to adapt it to the hernia, and also to regulate the pressure upon the same. This truss is especially adapted to scrotal and femoral hernia.

In the drawing, Figure 1 is a view of the surface of the truss-plate and pads. Fig. 2 is a horizontal section through the plate and pads; and Fig. 3 is a view of the back of the truss-plate and portions of the straps.

The truss-plate *a* is made of a sheet of perforated material, with the edges turned back so as not to present a sharp edge to the surface of the body. The recessed portion *b* of this plate has holes in it for the ends of the hooks 17, by means of which the ends of the truss-strap *c* are connected. The pad *e* is made of perforated sheet metal by preference, and it is connected to the plate *a* by a rivet or screw, 2, passing through a tongue at the upper end, and through one of the vertical slots 3 or 4 in the plate *a*. The plate *a* is also slotted at 5 for a screw, 6, to pass into a nut, 7, that is within a longitudinal and slotted case, 8, in the pad *e*.

It will now be seen that the position of the pad can be varied and moved toward the center of the plate *a*, as seen in Fig. 1; or it may be moved outward, or outward and downward, as illustrated by the dotted lines in Fig. 1, and secured by the clamping-screw 6 after it has been positioned. In this manner one truss-plate is adapted to a right or left hernia, as the pad can be applied at either side and its position varied to suit the rupture; or the plate may have two pads, as shown, when the rupture is double; and those pads can be raised, lowered, or moved in or out, as required.

The pad may also be made to project more or less from the plate by means of a screw, as shown in my patent No. 110,370.

The ends of the body-strap *c* are connected to the truss-plate *a* by hooked ends 17 entering the slots 11 and 12 in the plate *a;* but in some instances an extra pressure will be required of the plate upon the body at one or both sides. I therefore employ the lever-frame 13, with legs 14 resting against the back of the plate *a* so as to keep the strap *c* at a sufficient distance from the plate to cause the required pressure from the tension of the strap. The strap or straps *d* that pass between the legs have T-ended hooks, 15, taking into slots 16 in the metal body of the hooks 17; or frame 13 and these slots run at right angles or nearly so to the T-ends of the hooks, so that it is necessary to turn the hook around before the T-head can be either entered or liberated, thus avoiding risk of the parts becoming unhooked.

I do not claim a truss-pad that is connected to the plate by slots and screws, so as to position the same as seen in Letters Patent No. 32,246. Neither do I claim a truss-pad in which the connections are sufficiently loose to allow one portion of the truss to move on the other.

I claim as my invention—

1. The longitudinal slotted case 8 within the pad *a*, for the nut 7, in combination with the plate *a*, having slots 3 or 4 parallel or nearly so to the shorter diameter, and the slot 5 extending diagonally across such plate, and the securing-pin 2 being permanently secured to the upper part of the pad, substantially as set forth.

2. A truss-plate made with its edges turned with rounding flanges, and with attaching slots in a recessed central portion of the plate, in combination with a pad that is attached to such plate, and adjustable upon the same to accommodate the position of the hernia, substantially as set forth.

3. The lever-attaching frame 13, made with legs 14, and applied between the truss-plate *a* and strap *c*, substantially as and for the purposes set forth.

Signed by me this 4th day of March, A. D. 1872.

NATHANIEL JONES.

Witnesses:
HAROLD SERRELL,
GEO. T. PINCKNEY.