

(No Model.)

S. R. NYE.

TRUSS PAD.

No. 290,095.

Patented Dec. 11, 1883.

Fig. 1

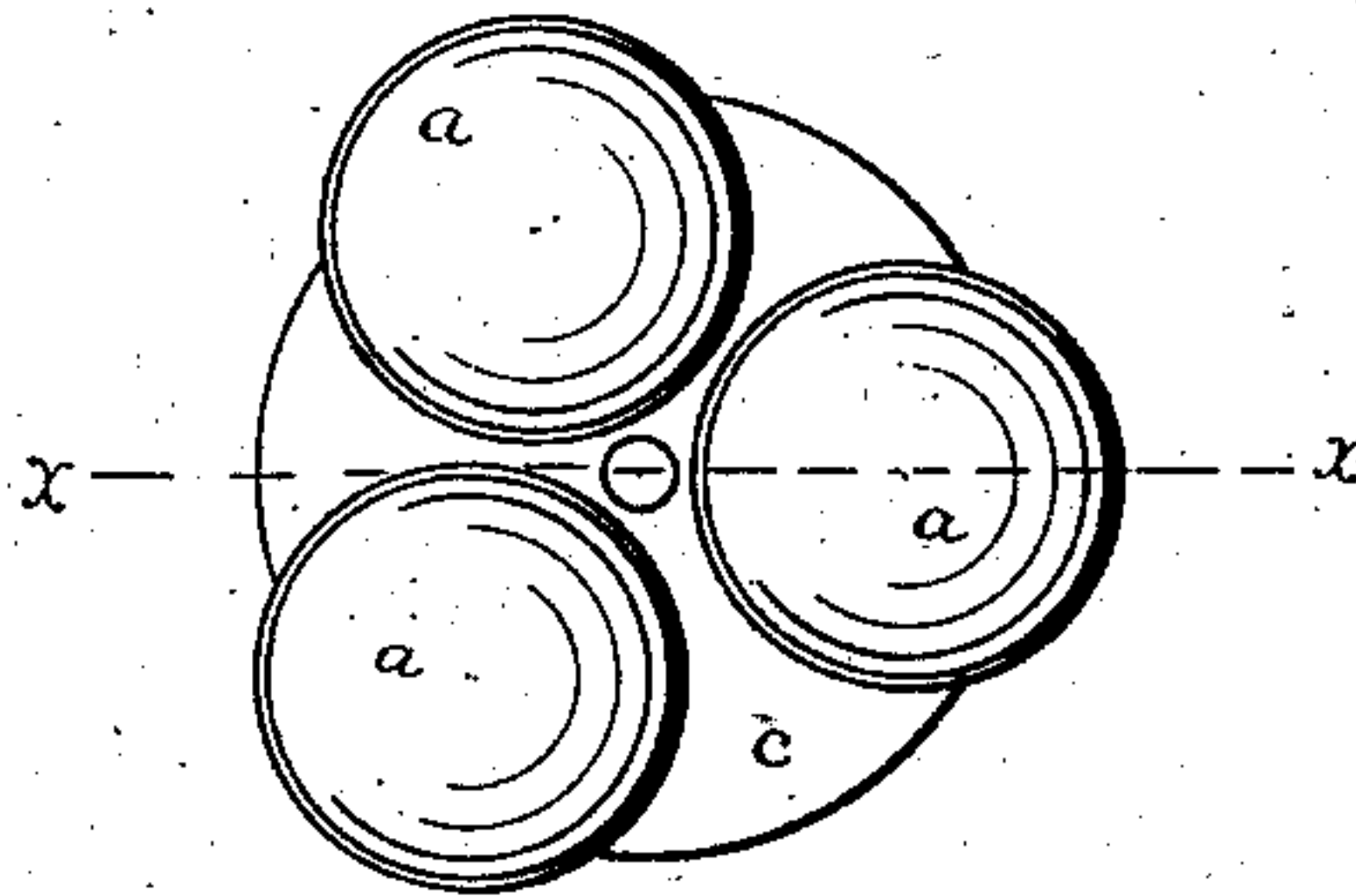
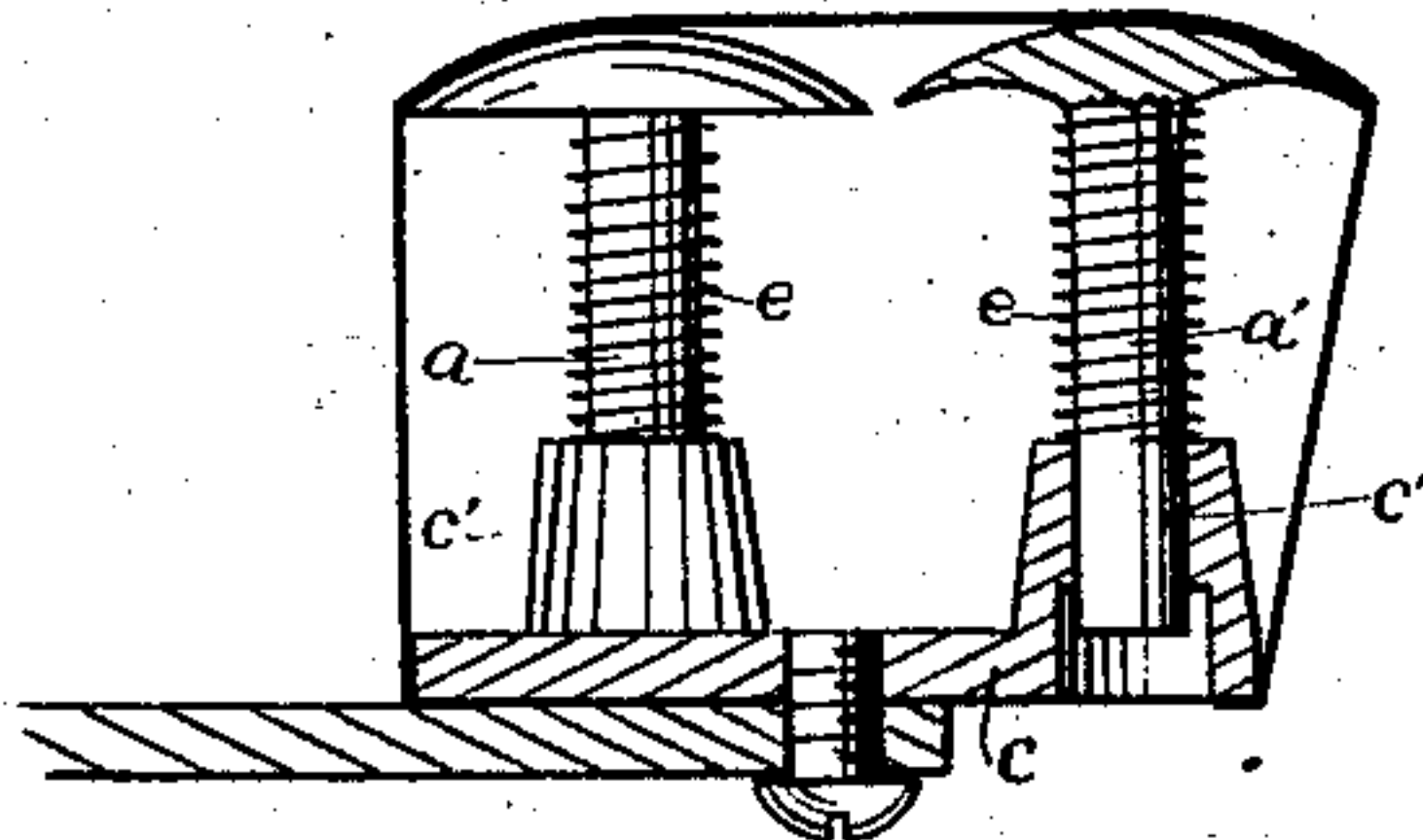


Fig. 2



Witnesses

John M. Quokay
A. L. White

Inventor

Sherman R. Nye
Wright & Brown
Attorneys

UNITED STATES PATENT OFFICE.

SHERMAN R. NYE, OF CHICOPEE FALLS, MASSACHUSETTS.

TRUSS-PAD.

SPECIFICATION forming part of Letters Patent No. 290,095, dated December 11, 1883.

Application filed September 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, SHERMAN R. NYE, of Chicopee Falls, in the county of Hampden and State of Massachusetts, have invented certain
5 Improvements in Truss-Pads, of which the following is a specification.

This invention has for its object to provide certain improvements in the construction of the pad of a hernial truss, whereby liability of
10 displacement of the pad by the movements of the body is reduced to the minimum.

To this end my invention consists in a pad composed of rigid socketed base-plate, and having shanks adapted to slide in the sockets
15 of the base-plate, each section being pressed outwardly by a spring, and adapted to yield independently, as I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a front view of a pad embodying my improvement. Fig. 2 represents a section on line *xx*,
20 Fig. 1.

The same letters of reference indicate the same parts in all the figures.

In carrying out my invention, I provide a pad having its front or bearing portion that presses against the wearer's body made up of two or more independently-movable sections,
30 *a a*, all supported on a suitable base attached to the body-band, and each provided with a spring which presses it against the body and allows it to yield independently. Each section *a* is a disk of metal having a convex
35 bearing or outer surface, and provided with a shank, *a'*. The supporting-base is a plate, *c*, having tubular sockets *c'*, which receive the shanks *a'*, and permit the latter to slide lengthwise in the sockets.

Between each section *a* and the base is interposed a spiral spring, *e*, which is supported by the shank *a'*, and presses the section *a* away from the base *c*. Each shank *a'* has a flange or stop at its inner end, which abuts
40 against a reduced portion of its socket *c'*, and limits the outward movement of the section *a* by the spring *e*. The base *c* is secured to the body-band of the truss by the usual or any suitable means. I have found by per-

sonal experience that the sectional bearing-surface thus formed and the independently-yielding movement of each section enable the pad to conform to any and all variations in the contour of that portion of the body on which the pad bears, and prevent the pad
5 from being displaced by muscular exertion. Being myself a wearer of a hernial truss, I have found that with a pad having a continuous bearing-surface certain movements of the body—such as are involved by raising the
60 arms above the head—almost inevitably produce displacement of the pad. My improved pad, however, is not displaced by such movements, but remains in its proper position during any position or movement of the body.

If desired, the sections *a* may be covered with chamois-skin or other like material, and each may be provided with a separate covering, or all may be included under a single cover, which should be sufficiently flexible to
70 conform to the independent movements of the sections.

I am aware that a truss-pad composed of a dome-shaped spring-back and a central conical spring-cushion is shown in Letters Patent of the United States No. 140,168. My pad differs from this, however, in that its sections are guided by the rigid socketed back, so that they move in parallel directions toward and from the base-plate, and each has a broad
80 bearing-surface, which is conducive to ease, and enables the truss to keep in place.

I claim—

The improved truss-pad composed of the socketed rigid base-plate, the disks or sections
85 having shanks adapted to slide longitudinally in the sockets of the base-plate, and springs arranged to normally press said sections outwardly from the base-plate and permit said sections to yield independently.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 23d day of August, 1883.

SHERMAN R. NYE.

Witnesses:

C. P. JUDD,
A. L. WHITE.