

(No Model.)

S. R. NYE.

TRUSS.

No. 398,343.

Patented Feb. 19, 1889.

Fig. 1.

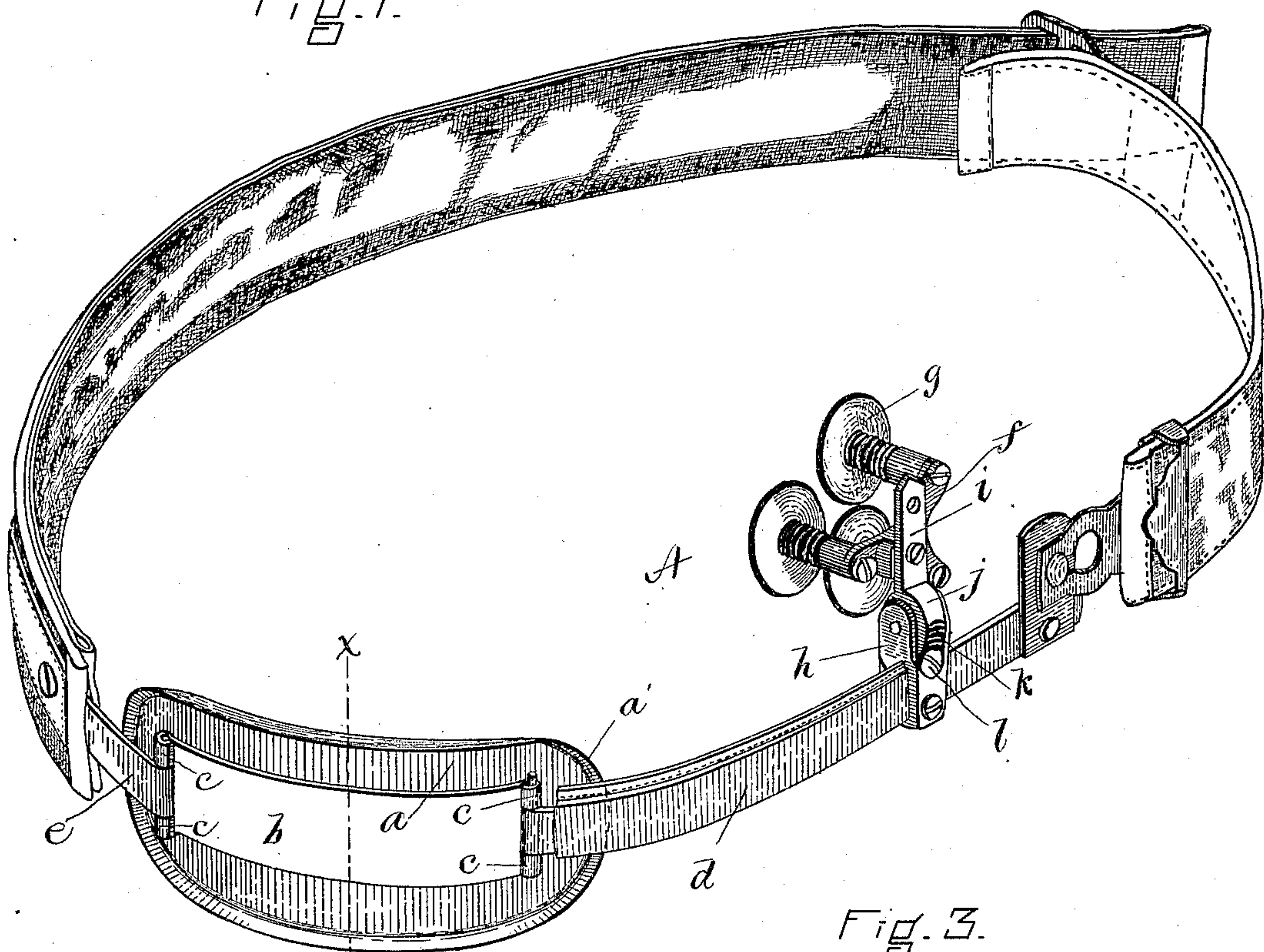


Fig. 2.

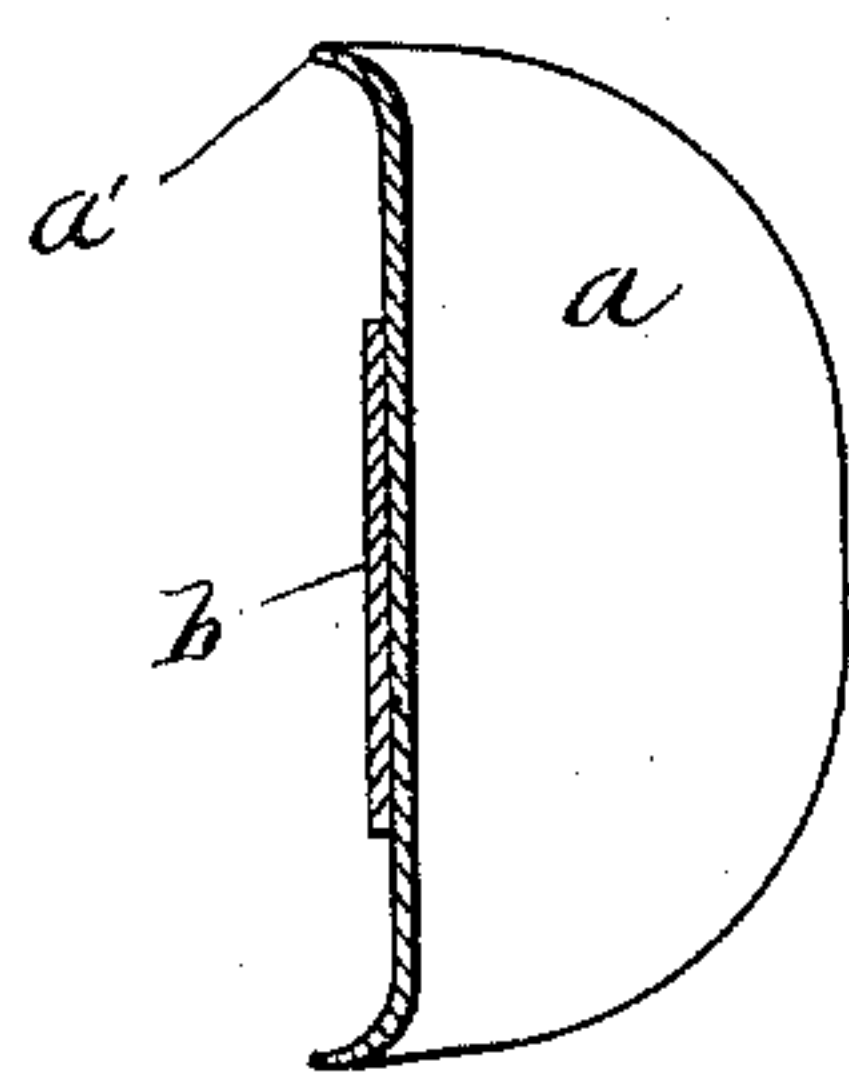
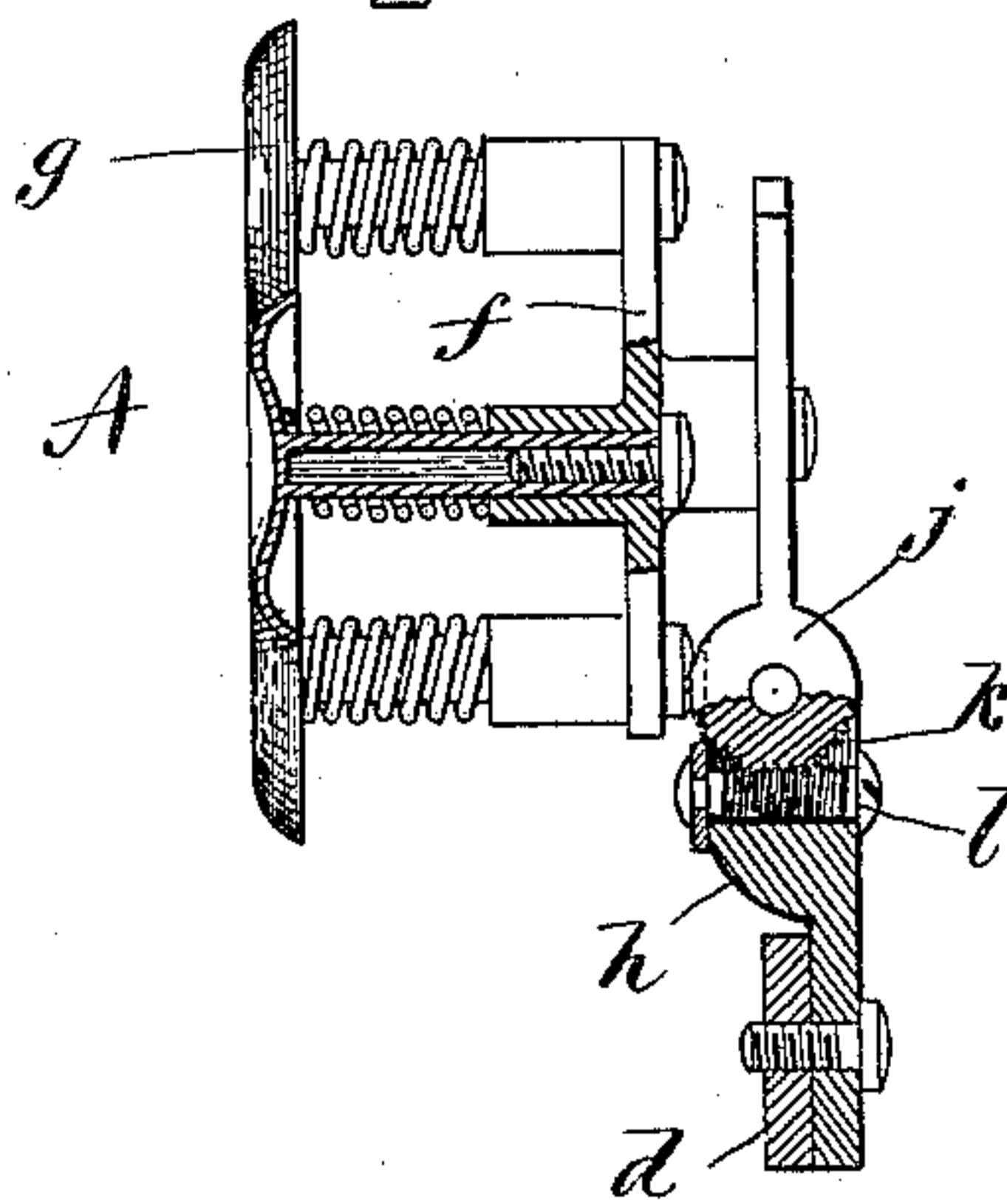


Fig. 3.



WITNESSES:

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SHERMAN R. NYE, OF CHICOPEE FALLS, MASSACHUSETTS.

TRUSS.

SPECIFICATION forming part of Letters Patent No. 398,343, dated February 19, 1889.

Application filed December 24, 1887. Serial No. 258,866. (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 new and useful Improvements in Trusses, of which the following is a specification.

My invention relates to trusses of the class commonly known as "hernia-trusses," which are adapted to support pads upon a hernia of the abdomen of the human body.

My invention consists in the improvements which I will now proceed to describe, so that others skilled in the art may be able to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, the same letters of reference indicating the same parts wherever they occur.

Of the drawings, Figure 1 represents a perspective view of the truss complete. Fig. 2 represents a section on the line $x x$, Fig. 1. Fig. 3 represents a sectional side elevation of the pad and parts immediately connected therewith.

In the drawings, a indicates the hip-pad, preferably composed of metal, shaped to fit the human hip, and having its edges a' curved or rolled outward, as represented in Fig. 2.

b indicates a plate soldered or otherwise secured to the outside face of the hip-plate and having ears $c c$ formed on its ends, to one end of which the hernia or truss pad arm or bar d is hinged, the strap-bar e being in like manner connected to the other end, or said strap-bar might be rigidly secured to the hip-pad or pivoted thereto. The hip-pad a is preferably made quite short, so that it may fit comfortably on the hip of a child or grown person of large size, the hinged connection of bar or arm d with the hip-pad permitting said parts and their connecting devices to conform to the size and form of the wearer.

Though I have mentioned the hip-pad as composed of metal, and so far as my experiments have extended I consider it preferable to make it of such material, it may be made of wood or any suitable compound, with the edges a' rounded or curved or curled outward, as described. With this construction of hip-pad there is no liability of it heating, blistering, or chafing the person of the wearer.

A represents the truss or hernia pad proper,

consisting of the socket base-plate f and the disks or sections g , having shanks or stems adapted to slide longitudinally in the sockets of the base-plate, and springs arranged to normally press said disks or sections outwardly or forwardly from the base-plate to permit the sections or disks to yield independently, all as described in my aforesaid patent.

h represents a block secured to bar or arm d , in ears of which block the finger i , supporting base-plate f , is pivoted. Said finger i is provided with an enlarged hub, j , having threads k formed on the lower end thereof, somewhat in the nature of the threads formed on a worm-gear, which threaded hub is engaged by a screw-threaded bolt, l , having bearings in block h , so that said bolt can be turned to move finger i , and consequently pad A , to adjust the same with reference to bar or arm d , as may be desired. When the pad is once adjusted, bolt l will serve as a lock to hold it in position.

Each disk g of the series composing the pad is concaved, as shown in section in Fig. 3, so that after a few minutes' use the flesh of the wearer will crowd into the concavity of each disk, and so serve to maintain the pad in place, this result being achieved without any discomfort to the wearer and more perfectly than if the disks or sections were not concaved, as described.

Though I have been particular to describe the form and arrangement of all of the parts constituting my invention as here shown, it is obvious that these may be varied without departing from the nature or spirit of the invention.

Having thus described my invention, what I claim is—

In a truss, the combination, with a short hip-pad, a , of a hernial-pad-supporting arm, d , hinged or pivoted thereto, substantially as and for the purposes set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 16th day of December, A. D. 1887.

SHERMAN R. NYE.

Witnesses:

C. F. BROWN,
A. D. HARRISON.