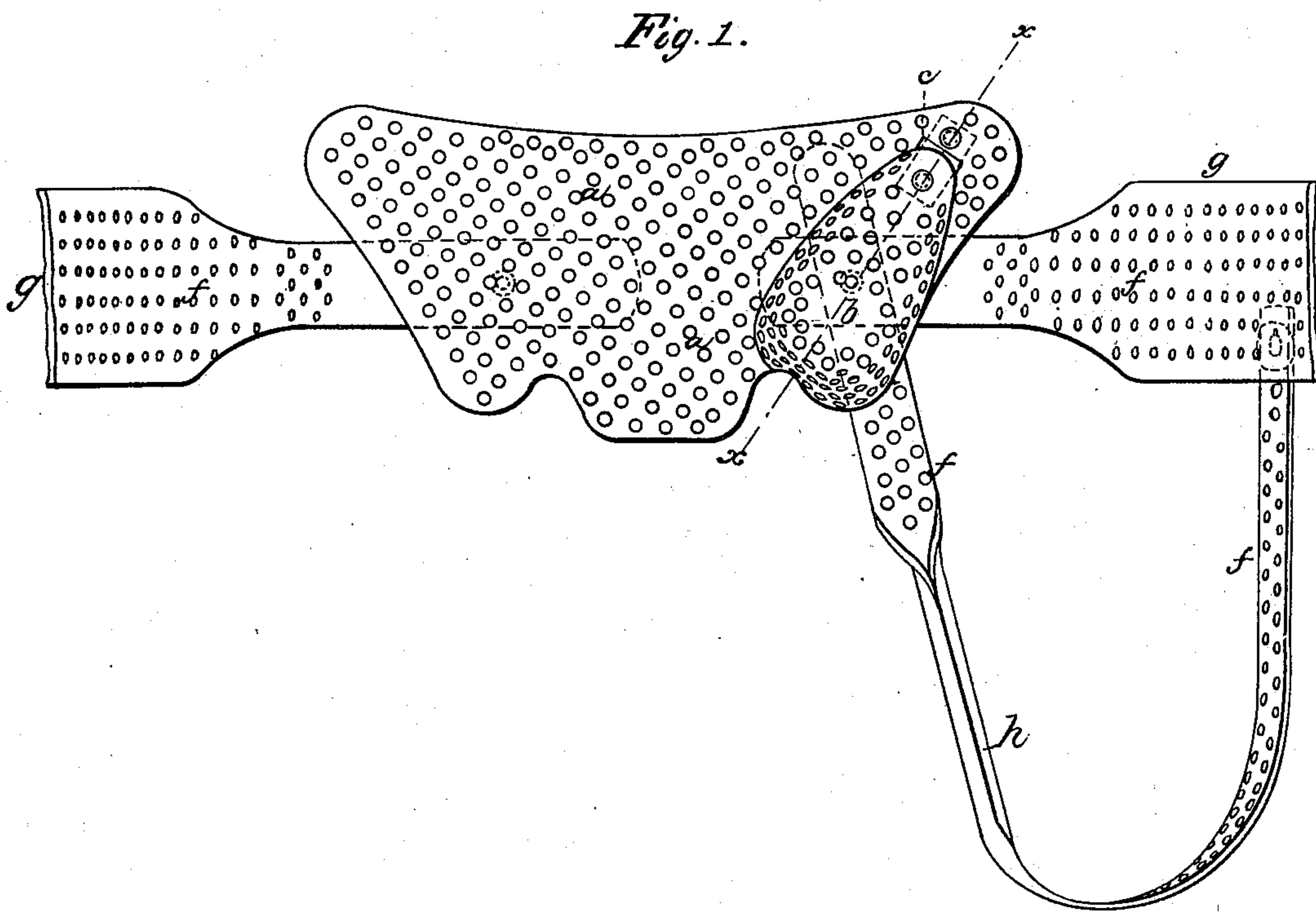
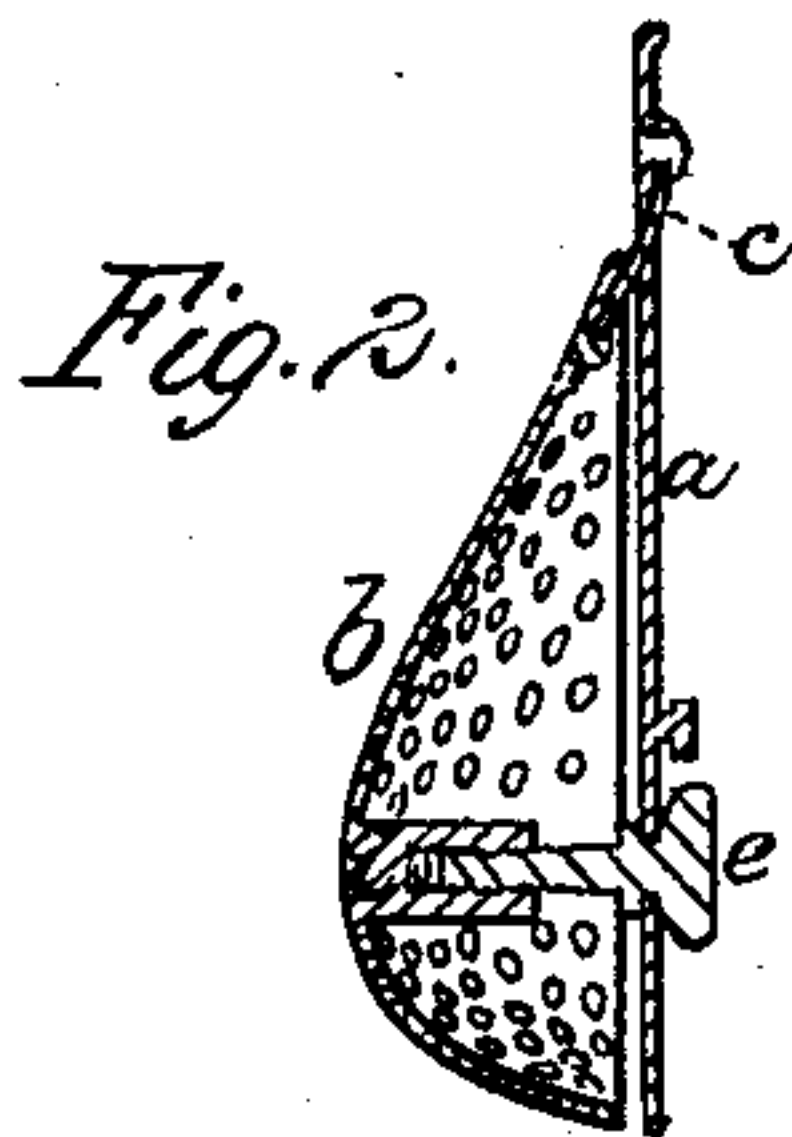


N. Jones.

Truss.

Nº 110,370.

Patented Dec. 20, 1870.



Witnesses;
Geo. A. Valer
Chas. H. Smith

Inventor;
Nathaniel Jones.
Per L. W. Ferrell atty.

UNITED STATES PATENT OFFICE.

NATHANIEL JONES, OF NEW YORK, N. Y.

IMPROVEMENT IN TRUSSES AND SUPPORTERS.

Specification forming part of Letters Patent No. **110,370**, dated December 20, 1870.

To all whom it may concern:

Be it known that I, NATHANIEL JONES, of the city and State of New York, have invented and made a new and useful Improvement in Trusses and Supporters; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is an elevation of a truss fitted with my improvement, showing also a portion of the straps, and Fig. 2 is a section through the pad of said truss at the line *x x*.

The same parts are denoted by similar letters.

Trusses have heretofore been made of perforated material as a foundation for the pad, and the straps have also been perforated to allow the perspiration to pass off.

My invention consists in the construction of a truss with a perforated plate to set against the surface of the body, and a projecting pad attached to the surface of that plate, so that the plate becomes a support for holding the pad in position upon the rupture. By this construction a thorough ventilation is insured, and the pad is held in position upon the hernia in consequence of the skin protruding slightly into the perforations of the pad and plate.

In the drawings, *a* represents the plate of the truss or supporter. This is made with numerous fine perforations, and the shape of the plate is such as to suit the portion of the body to which it is applied.

b is the pad of the truss or supporter. This also is to be shaped to suit the place to which it is applied, and this pad is also perforated with numerous small holes.

The foraminous pad or plate thus formed allows the perspiration to escape freely from the body. It also promotes the healthy action of

the skin. All elastic coverings for the pad or plate are dispensed with, and the parts remain in place much more reliably than heretofore; and the pad or plate can be washed off whenever desired, so as to keep them perfectly clean and free from odor.

The pad *b* is shown as attached to the plate *a* by the spring *c*, and a thumb-screw, *e*, is provided, entering a nut, *i*, (see Fig. 2,) on the inner side of the pad, so that the pad can be projected more or less from the plate to press into the hernia with the desired force. In cases where the adjustment is not required the pad can be attached firmly to the plate of the truss or supporter.

The straps employed to hold the truss or supporter to the body are of the desired length, and they are to be attached by buttons or buckles to the truss or supporter.

I find that when the strap is perforated with numerous small holes, as seen at *f*, the perspiration passes off much more freely, and there is less liability for the skin to become injured or chafed, because it is not softened by the perspiration.

The portions *g* of the straps represent the ends of the body-strap, and the strap *h* is to pass through between the legs to hold the truss down to place.

What I claim, and desire to secure by Letters Patent, is—

The foraminous plate *a*, in combination with the perforated pad *b*, that is attached to said plate *a* and projects from the same, as and for the purposes specified.

In witness whereof I have hereunto set my signature this 21st day of June, A. D. 1869.

NATHANIEL JONES.

Witnesses:

CHAS. H. SMITH,
GEO. T. PINCKNEY.