

J. L. ROWE.
Truss.

No. 223,009.

Patented Dec. 30, 1879.

Fig. 1.

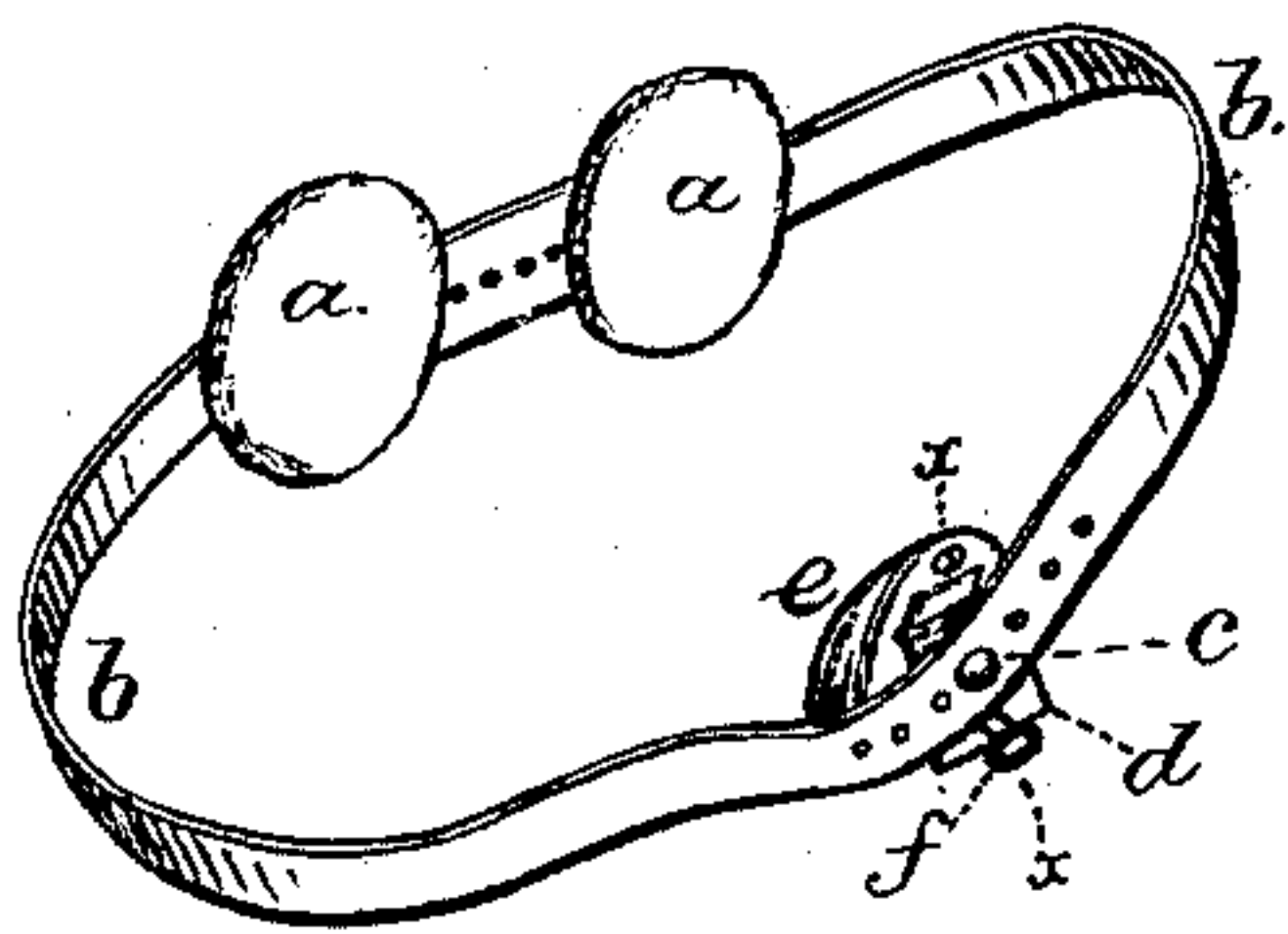
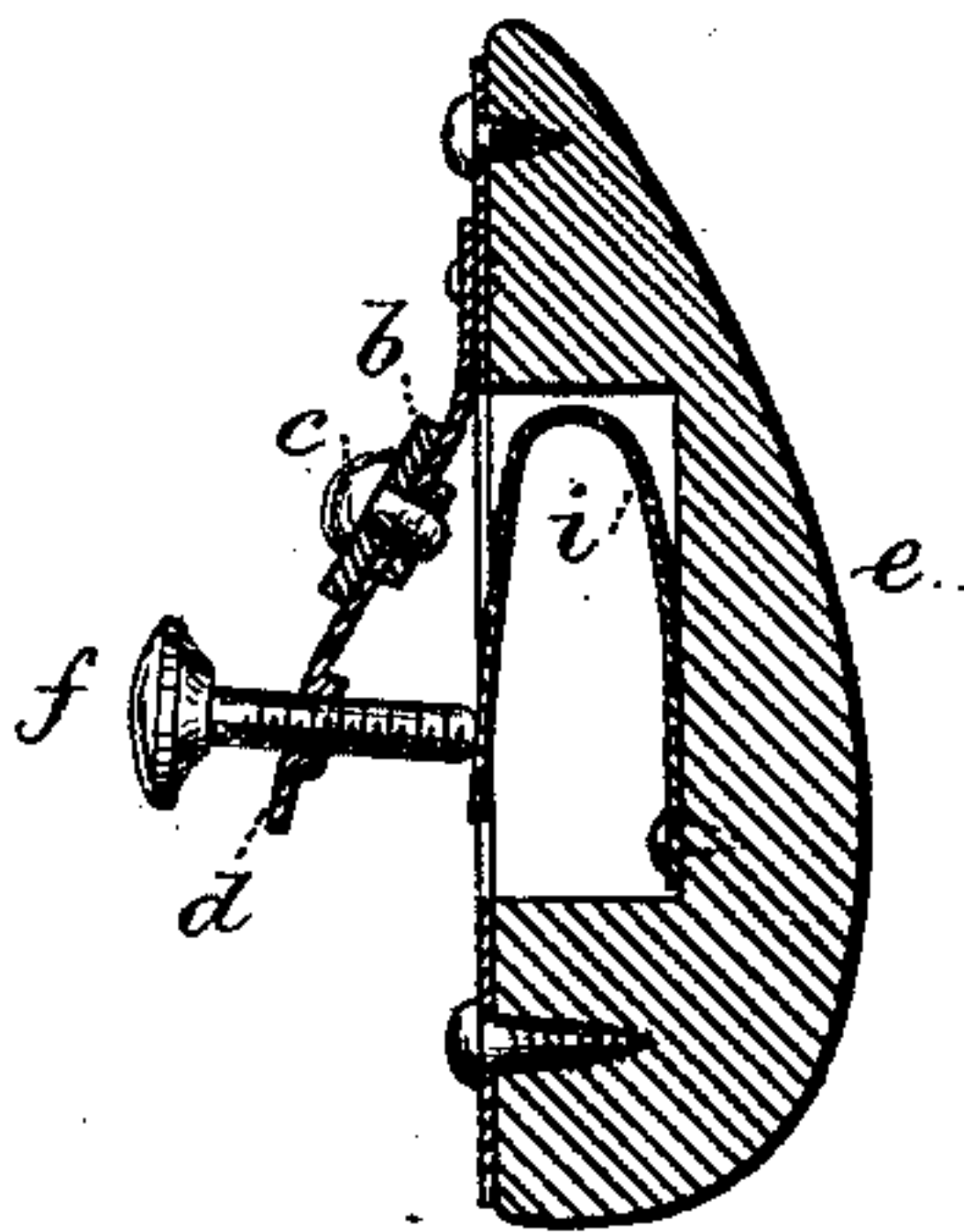


Fig. 2.



Witnesses

Chas H. Smith
Harold Ferrell

Inventor

John L. Rowe
per Lemuel W. Ferrell
att'y.

UNITED STATES PATENT OFFICE

JOHN L. ROWE, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND HENRY LASSING, OF SAME PLACE, ONE-HALF TO EACH.

IMPROVEMENT IN TRUSSES.

Specification forming part of Letters Patent No. 223,009, dated December 30, 1879; application filed September 1, 1879.

To all whom it may concern:

Be it known that I, JOHN L. ROWE, of the city and State of New York, have invented an Improvement in Hernial Trusses, of which the following is a specification.

In trusses that have heretofore been made the pad has been hinged to a plate that is screwed to the body-springs, as shown in my Patent No. 69,028, such springs being separate pieces that extend around to the back pads and tempered.

My present invention is made with reference to simplifying the construction of the truss and allowing for its easy adjustment upon the body.

I employ a body-spring made of one piece, the central portion (which comes in front of the body) being sufficiently soft to allow of its being bent to the shape required for corresponding with the person and the position of the hernia, and I combine therewith a pad connected to the spring-bar by a plate, and provided with a folded spring within the pad and an adjusting-screw, by means whereof the pressure of the pad on the hernia can be determined.

In the drawings, Figure 1 is a perspective view of the truss, and Fig. 2 is a section at the line *x x*.

The back pads, *a a*, are connected by a strap, and they are at the ends of the body-spring, as usual; but the body-spring *b*, instead of being in two parts and tempered, is of one piece, and the central portion is not tempered, but is sufficiently soft to allow of its being bent to accommodate the shape of the body or the position of the hernia. This body-spring *b* is perforated with numerous holes near where the hernial pad requires to be attached; and *c* is a screw passing through one of such holes into the spring *d* at the back

of the hernial pad *e*. This allows for placing the pad in the proper position, and the spring *d* allows for the yielding of the hernial pad. The said pad *e* is hollow, and contains the folded spring *i*, against which the end of the adjusting-screw *f* presses. Said screw *f*, passing through the spring *d* and bearing against the spring *i*, determines the amount of pressure exerted by the pad upon the hernia.

I am aware that a pad has been connected to a spring by a hinge, and that a pad has been recessed for the reception of a double spring. I am also aware that in Letters Patent No. 133,667, granted to me, a pad is connected to the plate by a bent spring.

In my present improvement the folded spring is introduced into a recess in the pad, so as to lessen the distance between the surface of the body and the body-spring, and at the same time obtain the required elasticity without the expense of a hinge. The clothing is also protected from contact with the edges of the folded spring within the pad; the entire truss is adapted to occupy but little space, and the adjusting-screw acts against the free end of this spring.

I claim as my invention—

The hernial pad having a recess at the back, and the spring *i* within such recess, in combination with the body-spring *b*, the spring *d*, connected to the body-spring and also to the pad *e*, and the screw *f*, passing through a screw-hole in the spring *d* and acting upon the free end of the spring *i*, substantially as set forth.

Signed by me this 26th day of August, A. D. 1879.

JOHN L. ROWE.

Witnesses:

WILLIAM G. MOTT,
HAROLD SERRELL.