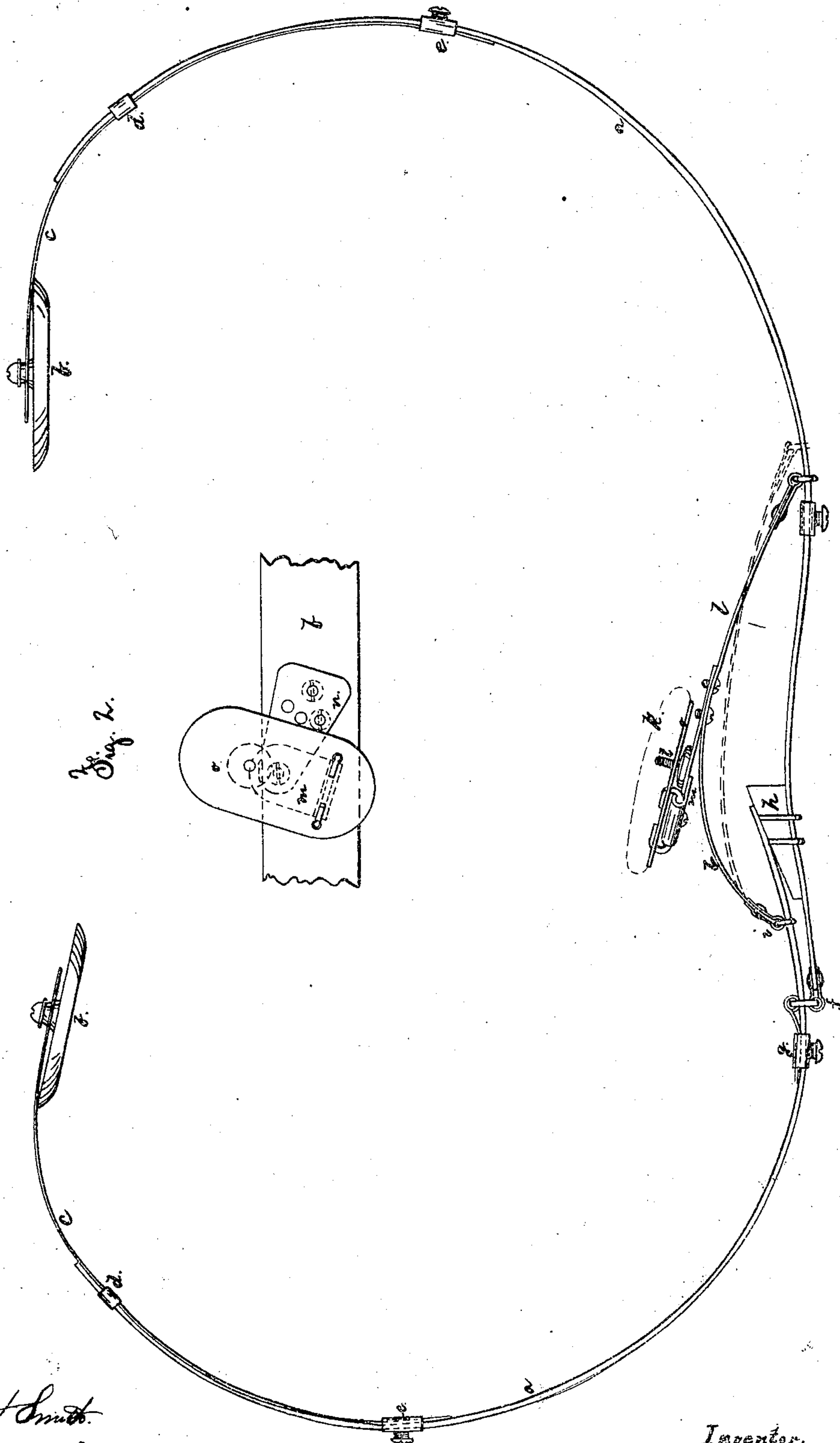


J. A. Sherman
Truss

No 75061

Patented Mar. 3. 1868



Witnesses.

Chas. H. Smith.
Geo. L. Waiker.

Inventor.

J. A. Sherman

United States Patent Office.

JACOB A. SHERMAN, OF NEW YORK, N. Y.

Letters Patent No. 15,061, dated March 3, 1868; antedated February 20, 1868.

IMPROVED TRUSS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JACOB A. SHERMAN, of the city and State of New York, have invented, made, and applied to use, a certain new and useful Improvement in Trusses for Hernia; 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 drawing, making part of this specification, wherein—

Figure 1 is a plan of said truss, in about the position it occupies when drawn around the body, and

Figure 2 is a rear elevation of the pad-plate, and its connection to the spring.

Similar marks of reference denote the same parts.

My present invention is a movable spring, carrying at its end the pad, in combination with a metal bar, extending around the person, the position and pressure of the pad depending upon the amount which said spring projects beyond the end of the said metal bar. I also unite the two metal bars employed by an adjustable hinge, and apply a movable wedge between the lapping parts of such bars, to regulate their relative position and pressure on the spring that carries the pad, and is applied between these bars and the person. I mount the pad on a hinged plate, that is constructed so as to be used on the right or left side of the person.

In the drawing, *a a* are metal bars that may be bent to the person; *b b* are the pads, and *c c* their springs. Each spring *c* passes through a loop, *d*, near the end of the spring *a*, and the other end of the spring *c* is attached to the screw-clip *e*, by the adjusting of which the spring *c* and its pad *b* will be held in a more or less projected position beyond the end of the bar *a*. The other ends of the bars *a* lap, and *f* is a hinge at the end of one bar *a*, attached adjustably to the other bar *a*, by the clip *g*, and *h* is a wedge, fitted to be slidden endwise, and hold the lapping parts of the bars *a* more or less apart, and thereby aid in adjusting the pressure of the hernial pad *b*. *l* is a spring, hinged at the end *i* to one of the bars *a*, and fitted with a loop at the other end, around the other bar *a*, so that this end can slide as the spring is compressed, (see red lines, fig. 1.) Upon this spring *l* is a plate, *n*, that is attached by screws, and is provided with extra holes, as seen in fig. 2, so that this plate *n* can be placed to stand to the right or to the left, and thus accommodate the position of the hernia. The plate *n* has, at its end, the intermediate plate *m*, that extends to the pad-plate *o*, and is united by a hinge.

By this construction, the truss-pad can be almost rotated upon the screw joining *m* and *n*, so that its hinged end, and the pressure applied thereto, can be brought into any desired position in relation to the hernia, and the yielding character of the spring *l* gives an agreeable but firm pressure upon the parts. A screw might be applied to adjust the distance between the lapping ends of the bars *a a*, in place of the wedge. The screw *t* passes through the pad-plate *o*, and its head rests against the plate *n*, in order that the plate and pad may be sustained in the desired inclined position to the spring *l*, the hinge-plate *m* allowing of this adjustment.

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

1. I claim uniting the bars *a a* by a hinge, in combination with an adjustment applied between the lapping ends of such bars, substantially as and for the purposes specified.
2. I claim applying the spring that carries the hernial pad, between the bar *a* and the person, and fitting the same to slide, at one end, on the said bar *a*, substantially as set forth.
3. I claim the plates *m* and *n*, attached together by a screw, and united, at the end of the plate *m*, by a hinge, to the truss-pad, and at the end of the plate *n*, to the spring *l*, so as to regulate the position of the hernial pad, as specified.
4. I claim the screw *t*, in combination with the pad-plate *o*, and plates *m* and *n*, as and for the purposes specified.

In witness whereof, I have hereunto set my signature, this eighth day of February, A. D. 1867.

J. A. SHERMAN.

Witnesses:

CHAS. H. SMITH,
GEO. D. WALKER.