L. B. White,

Truss.

No. 53,513. Patented Mar. 27, 1866.

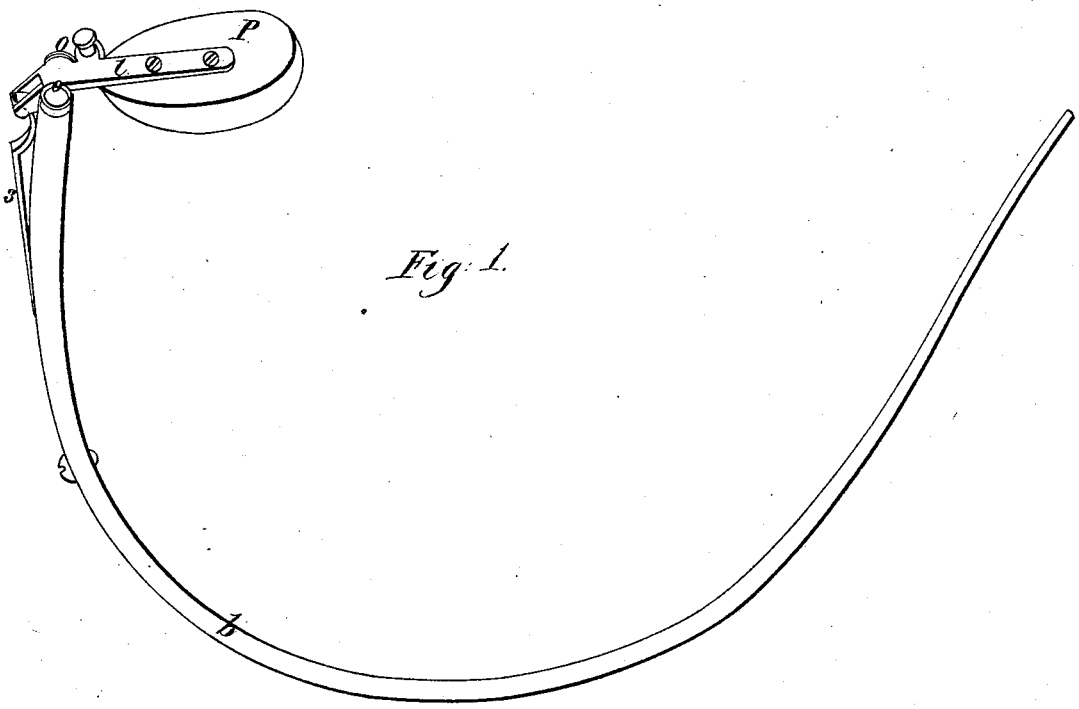

Fig. 1.

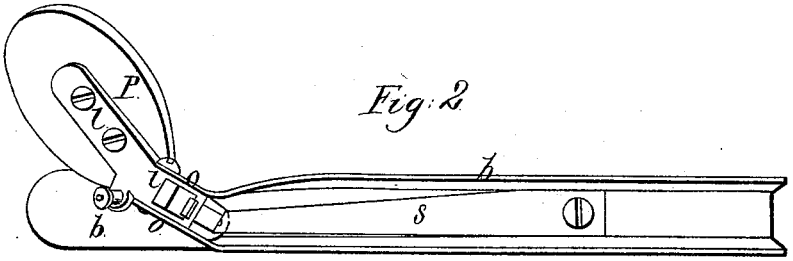

Fig. 2.

Witnesses:
B B Parker
A Evans

Inventor:
Lewis B. White
By his atty.
J. L. Brown

UNITED STATES PATENT OFFICE.

LEWIS B. WHITE, OF MOSCOW, NEW YORK.

IMPROVEMENT IN TRUSSES.

Specification forming part of Letters Patent No. **53,513**, dated March 27, 1866; antedated September 27, 1865.

To all whom it may concern:

Be it known that I, LEWIS B. WHITE, of Moscow, in the county of Livingston and State of New York, have invented a new and useful Improvement in Trusses used in Cases of Hernia; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification—

Figure 1 representing a top view of the truss; Fig. 2, a front elevation thereof.

Like letters designate corresponding parts in both figures.

This invention is designed as an improvement on the hernial truss for which Letters Patent of the United States were granted to me on the 21st day of August, 1860.

The construction and arrangement of the bow *b* and spring *s* are substantially the same as in my previous patent, except in the manner of connecting them with the lever *l*, which supports the pad *p*. In the former patent the lever was pivoted transversely on the end of the bow by means of a single pivot-pin projecting lengthwise from the bow; but, besides the liability of a single pivot's breaking or bending from the right direction, that construction did not permit any transverse adjustment of the inclination or angle of bearing to be given to the pad to suit different patients and locations of the hernia.

To obviate the above defects in the present invention two bearings, *o o*, are employed, which are situated obliquely upward at an angle of twenty-three and one-half degrees (more or less) to the end of the bow, and the pad-lever *l* is pivoted between the bearings, a screw passing through the bearings to form the pivot-pin for the lever. The end of the spring is so formed as to hook into the eye in the short end of the lever, which is bent to an obtuse angle, to suit the position of the spring and give the proper direction to the action of the pad. Not only do these double bearings add strength, firmness, and durability to the pivot-connection between the bow and pad-lever, but the angular position of these bearings is such that the pad can be varied in inclination or the direction of its pressure by merely twisting the bow *b* slightly, so as just to suit the wearer and make the truss fit easy.

To a projection of the long arm of the pad-lever a pin is attached, as shown, the head of which serves as a button to secure the cover to the truss.

I do not claim the mere duplication of bearings; but

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

The two pivot-bearings *o o*, arranged at an angle to the end of the bow in relation to the bow and pad-lever, substantially as and for the purpose herein specified.

LEWIS B. WHITE. [L. S.]

Witnesses:

E. W. SEARS,

W. H. GARDNER.