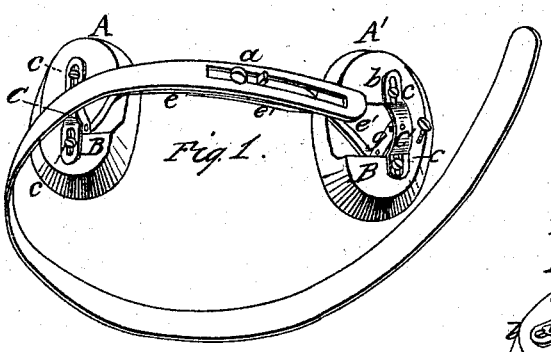
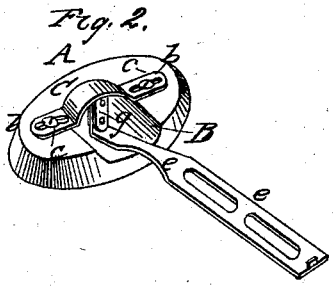
D. Sabins,

Truss.

No. 3,498. Patented Mar. 20, 1844.



# UNITED STATES PATENT OFFICE.

DAVID SABINS, OF LANCASTER, PENNSYLVANIA.

## TRUSS.

Specification of Letters Patent No. 3,498, dated March 20, 1844.

*To all whom it may concern:*

Be it known that I, D. SABINS, of the city of Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in the Manner of Constructing Trusses for the Cure or Relief of Inguinal Hernia; and I do hereby declare that the following is a full and exact description thereof.

The pad, or pads, of my improved truss are so connected with the main spring as to allow greater freedom of motion to the body, and, in every position, to cause it to press more equally than any of those previously constructed, so far as I have had an opportunity of becoming acquainted with them.

In the accompanying drawing Figure 1, is a representation of the main spring and pads of a double truss, these parts being shown without the covering and strap which are to be appended to it when finished. The pads A, A, which may be made of wood, or other material, are to be hollowed out on their backs, as shown at B, B, to receive a jointed link, which at one end is attached to the bridge piece C, C, of the pad, and at the other to strips of iron, or of steel, *e*, *e'*, which are affixed to the spring by a regulating screw *a*; the ends of these strips being curved in such manner as to enter the cavities B, B, and thereby to adapt them to the intended purpose. The bridge pieces, C, C, have slots in their ends, as shown at *b*, *b*, to receive the tightening screws *c*, *c;* these allow of the adjusting of the pad by moving the bridge pieces endwise, in such a manner as that the link attached thereto may bear upon it out of its center, so that it shall exert its greatest pressure where it is most required, which is usually on the lower part thereof.

Fig. 2, represents one of the strips *e*, which is shown as curved at its end, *f*, so as to enter the cavity, B, in the back of the pad; *g*, is the link connected to this strip *e*, and to the bridge piece, *C*, by two joint pins; by which device any flexure of the body is admitted without producing the slightest tendency to displace the pad, or to cause an unequal pressure thereof. At the inner end of the strip *e*, there is a lip which enters a slot in the piece next above it, and preserves it from lateral motion; by this arragement, and by means of the regulating screw, *a*, the distance of the two pads from each other may be regulated at pleasure; or when one pad only is required, by the taking out of this screw, the inner pad, with its strip, *e*, may be removed; the same device allows, also, of the lengthening, or shortening, of the main spring, to adapt the pad to the requirements of the patient.

Having thus, fully described the nature of my improvements in the truss for the cure, or relief, of inguinal hernia, and shown the manner in which I construct the same, what I claim therein as new, and desire to secure by Letters Patent, is—

1. The manner herein set forth of connecting the pad, or pads, to the principal spring by the means of a double jointed link, contained within a cavity on the back part of the pad, arranged and operating as herein described.

2. I also claim, in combination therewith, the manner of adjusting the pressure of the pad, by the aid of the regulating bridge piece, by means of which the link may be made to bear on either side of the center of the pad, or pads, as may be requisite.

DAVID SABINS.

Witnesses:

JOHN MILLER,

M. CARPENTER.