D. KING.

Truss

No. 161,686. Patented April 6, 1875.

Fig. 1

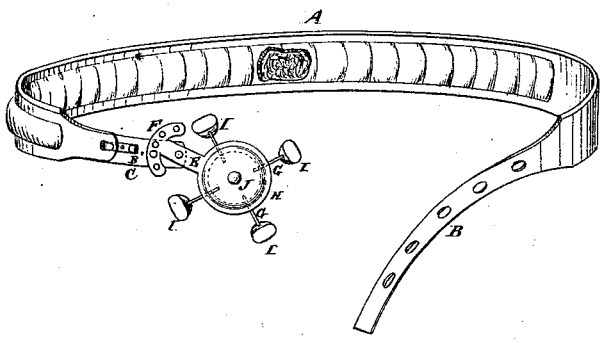
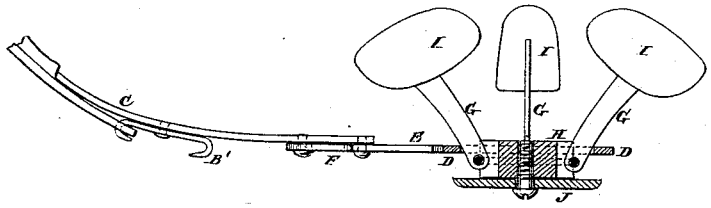


Fig. 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

DELANCY KING, OF SALAMANCA, NEW YORK.

IMPROVEMENT IN TRUSSES.

Specification forming part of Letters Patent No. **161,686**, dated April 6, 1875; application filed February 20, 1875.

To all whom it may concern:

Be it known that I, DELANCY KING, of Salamanca, in the county of Cattaraugus, and State of New York, have invented a new and useful Improvement in Self-Adjusting Truss, of which the following is a specification:

The invention relates to new and useful improvements in trusses for ruptures; and consists of a pad formed of four, more or less, hinged fingers, the position of which is controlled by an adjustable ring. It also consists in the general construction of the truss, as hereinafter described.

In the occompanying drawing, Figure 1 is a view showing adjustable pad and the truss complete. Fig. 2 is a longitudinal section of the truss.

Similar letters of reference indicate corresponding parts.

A represents the body of the truss, having a steel or other metal spring, C, passing through it longitudinally. This spring is covered with any suitable material, and the inside is padded with any soft or elastic material. B is the fastening-strap on the end of the spring C, which the hook B′ engages with. The ring D is adjustably fastened to the spring by means of the arm E and the arc F, as seen in the drawing. G represents the fingers, (four, more or less,) of which the self-adjusting pad is composed. One end of these fingers is attached to the flanged disk H by hinges, the fingers being confined in slots in the disk. Attached to the other ends of these fingers are the finger-pads I, of rubber, cork, wood, or other material.

It will be seen that the ring D admits the disk, but is smaller than the flange J, so that when the truss is applied to the person the fingers may be spread to inclose the rupture, and be compressed by the spring or the elasticity of the truss, as the ring D will bear upon the fingers, and thus press the pad to the skin. In this manner the pad is made to surround the rupture or press upon it with any required degree of force. These finger-pads may be brought in close contact with each other by the ring D, or by any equivalent device.

When spread, as seen in the drawing, the rupture itself may be treated medicinally, as may be judged best. By properly adjusting the pad to the person the rupture may be allowed to heal without treatment of any kind. The finger-pads may be arranged in any manner, so as to inclose a circle, an oval, or an oblong, as may be required.

I do not desire to claim as my invention a cluster or series of pads attached to rigid or non-adjustable arms.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a truss, the combination of a series or cluster of self-adjusting finger-pads I and pivoted arms G, substantially as herein described, for the purpose set forth.

2. The disk H, flange J, arm E, arc F, ring D, and fingers G, for the purposes described, in combination with a truss.

DELANCY KING.

Witnesses:

A. HEASLEY,

J. G. FITTS.