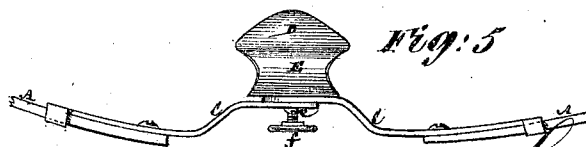
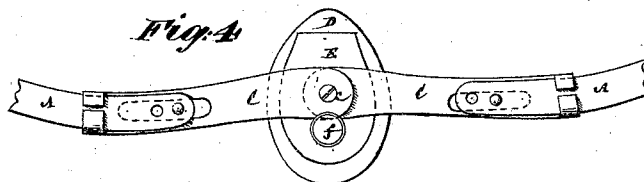
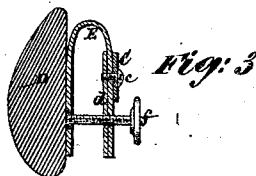
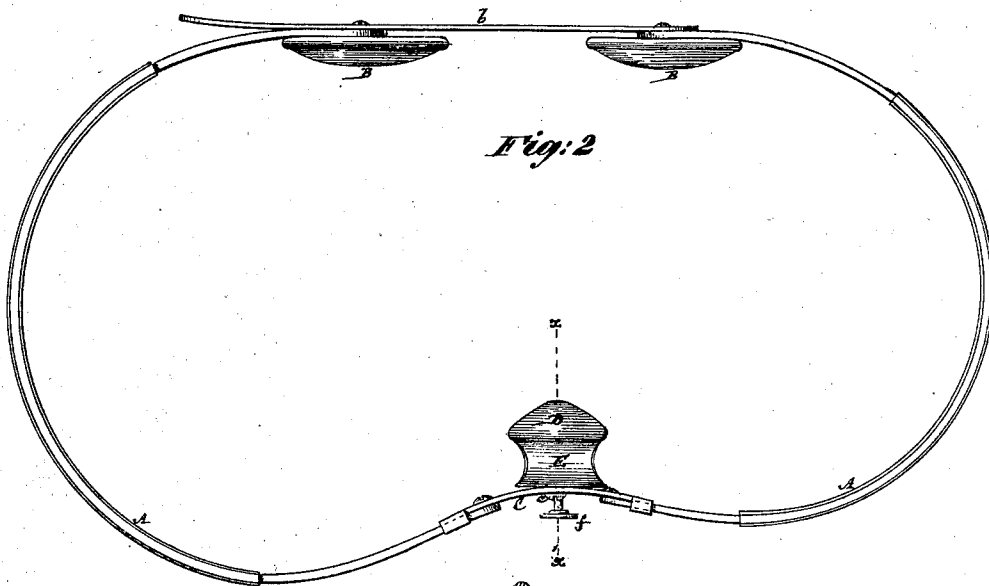
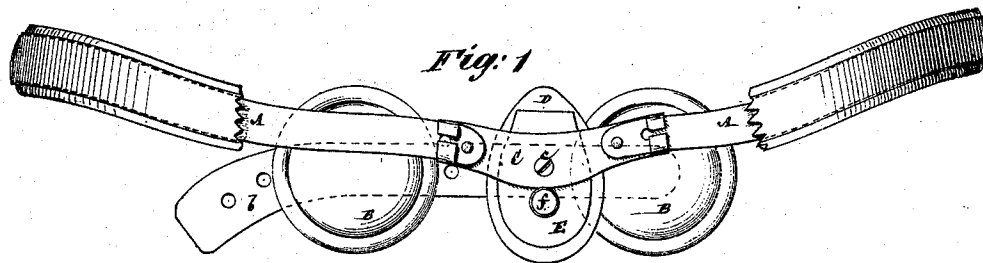


J. L. ROWE.
Trusses.

2 Sheets-- Sheet 1.

No. 133,667.

Patented Dec. 3, 1872.



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J. L. ROWE.

Trusses.

No. 133,667.

Patented Dec. 3, 1872.

Fig: 6

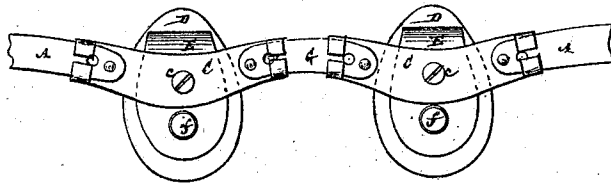
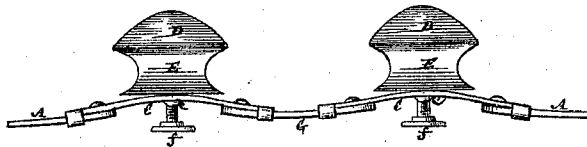


Fig: 7



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UNITED STATES PATENT OFFICE.

JOHN L. ROWE, OF NEW YORK, N. Y.

IMPROVEMENT IN TRUSSES.

Specification forming part of Letters Patent No. 133,667, dated December 3, 1872.

To all whom it may concern:

Be it known that I, JOHN LYONELL ROWE, of the city, county, and State of New York, have invented a new and useful Improvement in Hernial Trusses; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification, and in which—

Figure 1 is a front view of a truss constructed in accordance with the invention, and having only one hernial pad; also, in which the front or pressure spring is made whole or of a single piece. Fig. 2 is a top view or plan of the same, and Fig. 3 a sectional view thereof at the line *x x*. Fig. 4 is a front view of a similarly-constructed truss, in part, but in which the front or pressure spring is divided, or made of two pieces with the contiguous ends overlapping one another. Fig. 5 is a plan of the same; and Figs. 6 and 7, a front view and plan, in part, of a truss having two hernial pads.

Similar letters of reference indicate corresponding parts throughout the several figures of the drawing.

The object of this invention is to produce a truss which shall have an improved spring pressure toward the person to hold the pad to the hernia, and shall admit of all necessary adjustments of the pad or parts of the truss connected therewith, subject to a construction which is at once cheap, simple, and durable. The invention generally consists of a pad-spring made of a single piece of steel plate bent to form two leaves, the outer one of which is secured to the front or pressure spring of the truss, and is stiffened by a strip to form a nut for the set-screw which adjusts the pressure, and the inner leaf of which spring is secured to the pad, in combination with an inwardly-curved front or pressure spring made either whole or divided transversely, and having the outer leaf of the pad-spring united to it by a screw or rivet. The invention also consists in a combination of a connecting-bar with and between duplicate pressure-springs, each of which carries a hernial pad for use in

two pad-trusses, and whereby both pads have an independent spring pressure or action.

Referring, in the first instance, to Figs. 1, 2, and 3 of the drawing, A A represent the hip-springs of the truss, covered with leather or other suitable material, and united by the usual back-strap *b*; also, fitted with the ordinary or any suitable back-pads B B. The front ends of the hip-springs are connected in an adjustable manner by straps or loops and screws to the front or pressure spring C, which, as usual with other front springs, is curved inward to assist in producing a pressure toward the person to hold the pad to the hernia, and which effect is materially aided by the peculiar construction of the pad-spring. D is the hernial pad, and E the pad-spring. This spring is made of a single piece of steel plate bent to form two leaves, the outer of which is secured by a screw or rivet, *c*, to the front or pressure spring C, and the inner leaf of which is secured to the pad D. The outer leaf of this spring is stiffened by a strip or plate, *d*, to form a nut for the set-screw *f*, which adjusts the pressure.

In Figs. 4 and 5 of the drawing, the front or pressure spring C is divided transversely or made in two lengths, with its contiguous ends arranged one to overlap the other, substantially as described in Letters Patent No. 69,028, issued to me September 17, 1867, (antedated September 7, 1867,) and so that the divided portions are capable of independent adjustment about the screw or rivet *c* that connects the overlapping ends of said spring with the outer leaf of the pad-spring E. This latter spring is constructed and connected with the pad D, as described, for Figs. 1, 2, and 3 of the drawing, and the divided front or pressure spring curved inward, as hereinbefore specified; also, adjustably connected by means of screws and slots with the front ends of the hip-springs A A, to provide for extension and different adjustments of the latter and divided front or pressure spring relatively to each other.

In Figs. 6 and 7 of the drawing a similar construction of parts is represented as applied

to a two-pad truss; but in this case I use two independent pressure-springs C—that is, one for each pad D—and connect said springs by a rigid bar, G, which may be curved outward and be adjustably connected with the springs.

What is here claimed, and desired to be secured by Letters Patent, is—

1. The combination of the double-leafed spring E formed of a bent steel plate, the stiffening-strip *d*, the pressure-screw *f*, the pad D, and the inwardly-curved front or pressure spring C united with the outer leaf of the pad-spring by a screw or rivet, *e*, the whole

being constructed and arranged for operation in relation with each other and with the hip-springs A A, substantially as shown and described.

2. The connecting-bar G, in combination with independent pressure-springs C and duplicate pads D, substantially as described and shown in Figs. 6 and 7 of the drawing.

JOHN LYONELL ROWE.

Witnesses:

J. F. WILLIAMS,
GEORGE SLOAN.