

R. J. Cundiff,

Truss.

No. 103992.

Patented June 7, 1870.

Fig. 1.

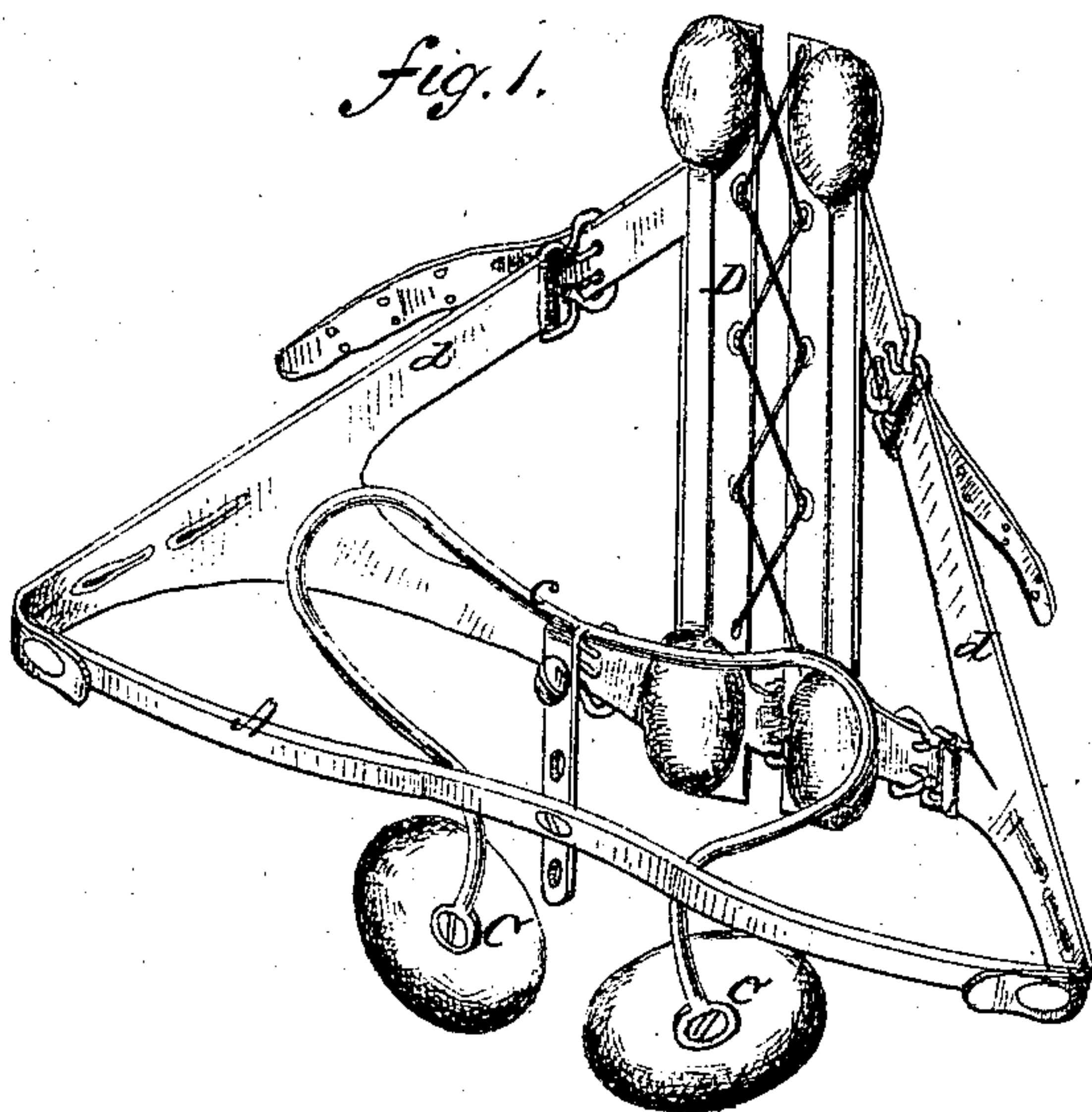
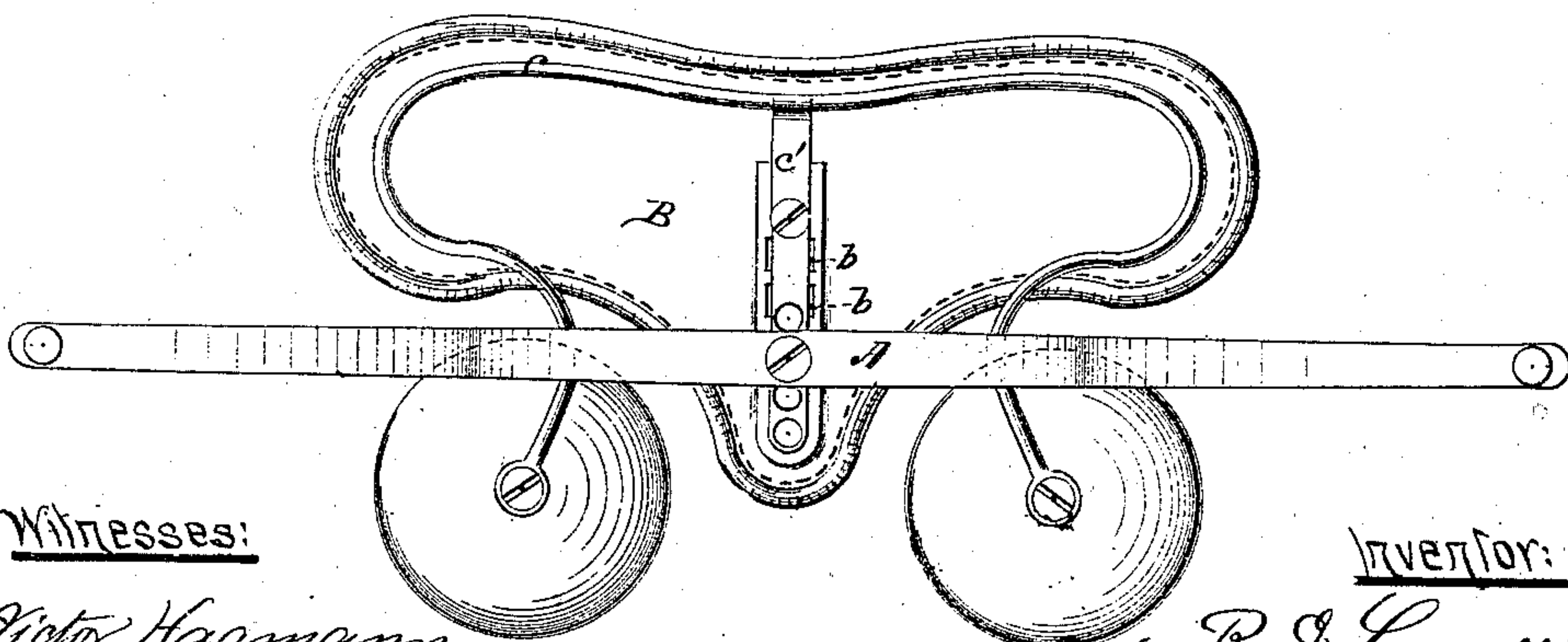


Fig. 2.



Witnesses:

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RICHARD JACKSON CUNDIFF, OF LYNCHBURG, VIRGINIA.

Letters Patent No. 103,992, dated June 7, 1870.

IMPROVEMENT IN COMBINED ABDOMINAL AND BACK-SUPPORTERS AND TRUSSES.

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, RICHARD JACKSON CUNDIFF, of Lynchburg, in the county of Campbell and State of Virginia, have invented a new and improved Combined Abdominal and Back-Supporter and Truss; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a view in perspective of the three parts, and

Figure 2 is a front elevation of the pivoted bar, truss, and supporter.

The invention consists in combining a spring bar, first, with a truss and abdominal supporter; second, with a truss and back-supporter; third, with truss, abdominal supporter, and back-supporter; and, further, it consists in securing the truss-pads to the spring bar by means of a shank and two bent elastic rods.

In the drawing—

A is the elastic bar, pivoted at its center, so as to swing freely upon the abdominal supporter B, as seen in fig. 2, or the hernia truss C, as seen in fig 1.

D is the back-supporter, constructed in the ordinary manner, and connected, by side straps *d*, with the ends of the bar A, in such manner as, with the latter, to hold the abdominal supporter or hernia pad in one place upon the wearer's body, without other movement than that due to the inhalation or exhalation of the breath or other muscular action, to which the supporter or pad yields readily, by reason of the elasticity of bar A, while the latter moves upon its pivot to accommodate itself to the lateral motions of the body.

Thus, without any more discomfort to the wearer than is caused by any pad or supporter, these devices, by my arrangement, are held firmly in the required place, and a support for the back is also afforded, very remedial in cases of lameness or spinal curvature.

The abdominal supporter is constructed in the usual manner, of a metallic foundation, to which padding is attached on one side, and a leather cover on

the other. To the metal foundation is affixed, in this instance, an iron cross-bar, in which are drilled any desired number of holes, *b b*, which are threaded, for the reception of screws, apertures being made in the leather cover for the insertion of the latter, by means of which to attach the elastic bar and the connecting-rod *c* of the hernia pads high or low on the abdominal supporter, as may be required.

The bars A and *c* may be attached separately directly to the abdominal supporter, or the bar *c* may be welded upon a shank, *c'*, provided with a series of holes, which shank is screwed to the supporter, and has the bar A screwed to it, as seen in fig. 2, or the bar *c*, with its pads and pivoted bar A, may be wholly removed from the supporter, as in warm weather, or when hernial remedy only is required.

The rod *c* is elastic in all directions, so as to impart the proper yieldingness to the pads C, which latter are affixed to the ends of the rod by means of screws, and may be set at any inclination to suit the wearer.

The shank *c'*, instead of being welded upon the bar *c*, may be made separate, and may be fastened to the bar *c*, when occasion requires, by the same screw that connects it with the supporter.

Having thus described my invention,

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

1. The bar A, combined with the truss C, connecting-rod *c*, and shank *c'*, in the manner and for the purpose set forth.

2. The bar A, abdominal supporter B, and hernia truss C, combined substantially as and for the object explained.

3. The hernia truss C, bar A, and back-supporter D, combined substantially in the manner and with the intent described.

4. The bar A, abdominal supporter B, hernia truss C, and back-supporter D, combined substantially as and with the intent stated.

RICHARD JACKSON CUNDIFF.

Witnesses:

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