

J. Green

Truss

No. 74818

Patented Feb. 25. 1868

Fig. 1.

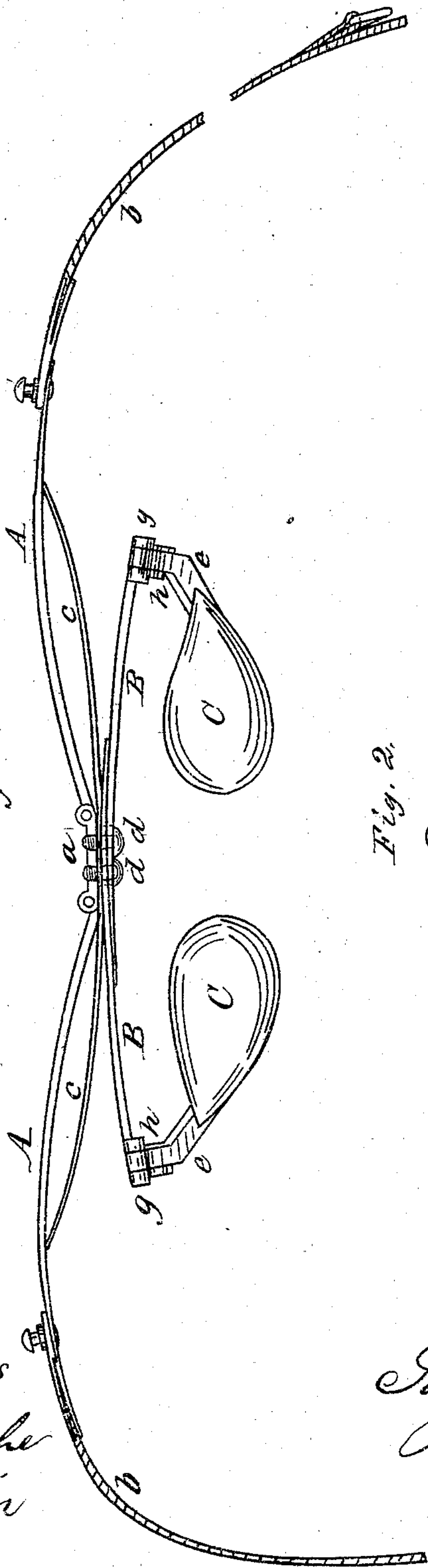
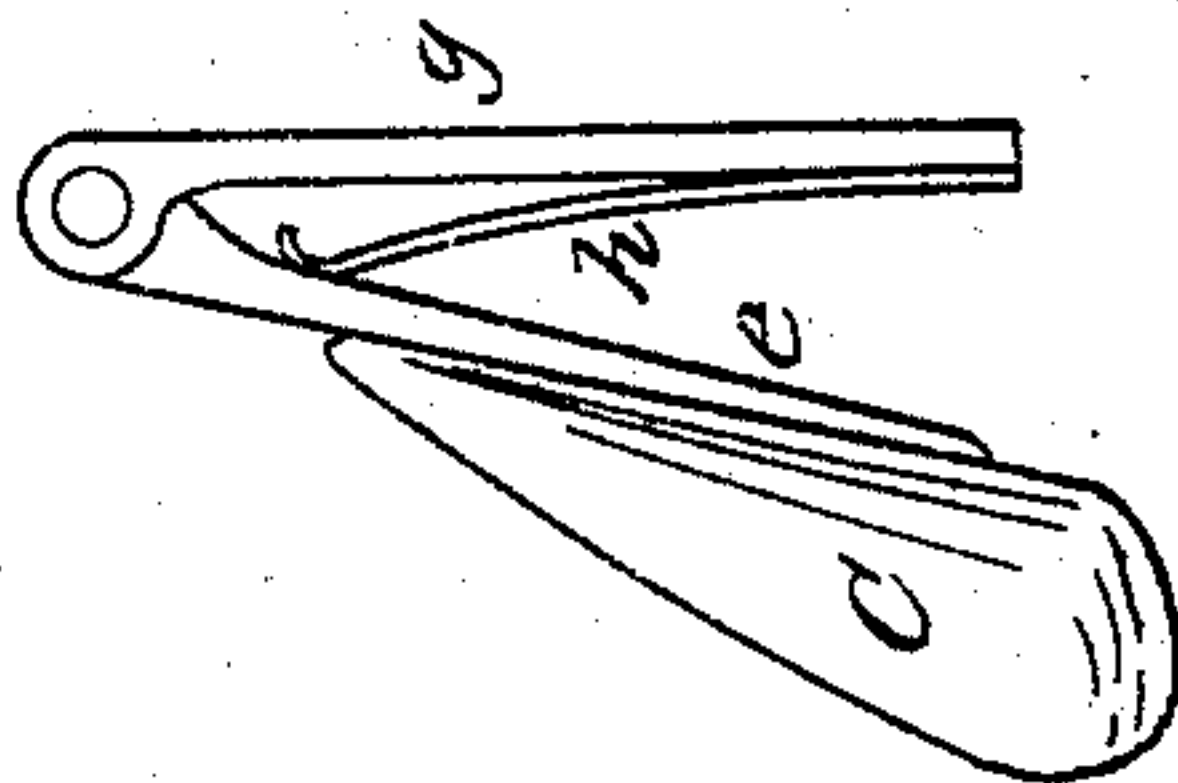


Fig. 2.



Witnesses
Theo. Ince
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Sam'l Green
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United States Patent Office.

SAMUEL GREEN, OF NEW YORK, N. Y.

Letters Patent No. 74,818, dated February 25, 1868.

IMPROVEMENT IN 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, SAMUEL GREEN, of the city, county, and State of New York, have invented a new and useful Improvement in Hernia-Truss; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of my improved truss.

Figure 2 is a detached view of a pad and spring.

Similar letters of reference indicate corresponding parts.

This invention relates to an improvement in the construction of a truss for ruptures of the bowels, or hernia, and consists in a novel and simple combination of springs and pads with the main supporting-bars, as hereinafter more particularly described. This is a cheap, effective, and convenient truss, especially adapted to laboring men.

A A represent two stiff metal strips, united by hinge-joints to a small centre-plate, *a*, and curved somewhat to fit the back of a patient, on the ends of which metal strips are attached straps *b b*, to pass around the person and be fastened with a buckle in the usual way. Two curved steel springs *c c*, of considerable power, are made fast at one end to the under side of the centre-plate *a*, while the outer end of each spring bears upon the under side of the metal strips A A, as shown in fig. 1. Two stiff metal plates B B are secured to the centre-plate *a*, over the springs *c c* by set-screws *d d*, which pass through slots in their ends, allowing them to be moved for adjustment of the pads C C, which are attached to stiff metal plates *e e*, that are hinged upon the ends of a cross-head, *g*, on the outer end of each of the plates *e e*. Light curved springs *h h* are fastened at one end to the cross-heads *g g*, while the other end bears upon each of the metal plates *e e*, when the pads C C are in place on the patient, and produce a gentle pressure of the pads upon the rupture.

It will be observed that when the truss is attached to the person of a patient, the main strain produced by any movement of the body will be exerted directly on the springs *c c*, by the main plates A A, while the pads C C will bear lightly and evenly at all times upon the rupture, by means of the light springs *h h*, which are entirely relieved from direct strain by the movement of the body, and thus the rupture will be protected and guarded against any undue pressure or derangement of the pads.

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

The combination and arrangement of the main plates A A, hinged to the centre-plate *a*, the stiff springs *c c*, the slotted adjustable plates B B with cross-heads *g g*, the pads C C, and the light springs *h h*, substantially as and for the purpose described.

The above specification of my invention signed by me, this 31st day of July, 1867.

SAMUEL GREEN.

Witnesses:

WM. F. McNAMARA,

ALEX. F. ROBERTS.