

B. M. Stratton,

Truss.

N^o 4,431.

Patented Mar. 21, 1846.

Fig 4.

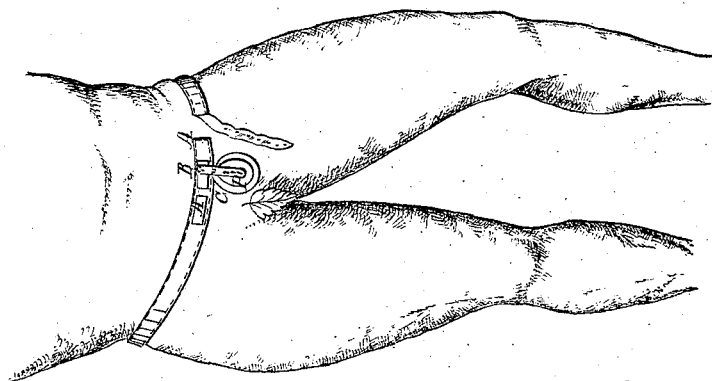


Fig 5.

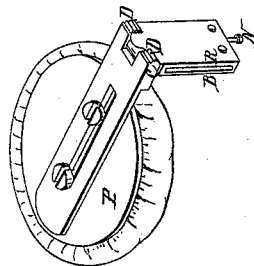


Fig 3.

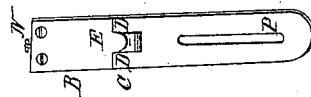


Fig 1.

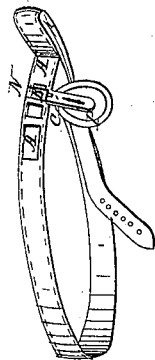
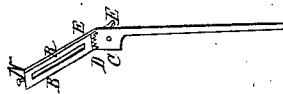


Fig 2.



Witnesses:

L. J. Dewey
John S. Gray

Inventor:

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UNITED STATES PATENT OFFICE.

BENJM. W. STRATTON, OF SOUTHWARK, PENNSYLVANIA, ASSIGNOR TO BENJM. C. EVERETT, OF PHILADELPHIA, PENNSYLVANIA.

TRUSS.

Specification of Letters Patent No. 4,431, dated March 21, 1846.

To all whom it may concern:

Be it known that I, BENJAMIN W. STRATTON, of Southwark, county of Philadelphia, and State of Pennsylvania, have invented a
5 new Mode of Constructing and Using Trusses and Abdominal Supporters with a Socket Hinge; and I do hereby declare that the following is a full and exact description of it.

10 The nature of my invention consists in such a combination of several principles, in a novel manner, and of such a socket hinge, as will make it easy to vary the pressure of the
15 truss or supporter at pleasure, thus making it perform its office in greater perfection, both for health and comfort. This is done by constructing the main spring (see letters
20 A, A, A, of the drawing) of the truss so as to pass across the body above the hernia and to support the viscera above the opening or hernia, by putting upon it one or more
slides, and by fixing the pad or pads to the slide by a ratchet hinge, so made as to be
moved outward or inward at pleasure.

25 To enable others skilled in art, to make and use my invention, I will give its construction and operation.

The main spring—see drawing Figure 1, letters A, A, A, is made as usual, so bent as
30 to pass across the abdomen in front, let it be applied on either side,—the slide,—see drawing, Fig. 5, letter B,—intended to move on the main spring has an aperture—Fig. 5 letter R, fitted to the main spring, so that it can be
35 put upon it and move or slide upon it to any desirable point on the main spring, and there be fastened by a screw—Figs. 2 and 5 letter N,—so inserted as to press on the edge of the main spring,—the slide is one part
40 of a hinge—Fig. 5 letter G,—the other part

of which is made longer or shorter, as the size of the pad to be fastened upon it, shall require; the part of the hinge at the end contiguous to the other part when fitted to its place in the joint, is made with notches
45 or teeth—Fig. 5 letters D, D,—about half a circle, into which teeth a spring catch—Fig. 5, letter E,—which is fastened upon the other part of the hinge, *i. e.* on the part without teeth, so as to catch in the teeth and
50 form the ratchet, which ratchet spring can be easily raised and thus free the ratchet and permit the pad part of the hinge to play outward or inward, or it can be let
55 down and then catching in the teeth, will prevent its moving one way and allow it to move the other to the desired adjustment. Thus the pad or pads can be made to slide on the main spring to the desired position, then made to move inward or outward and
60 held to any desired point; making the pressure on the abdomen or other part, more or less intense, as shall be desired, the patient being able to fit it to suit his convenience—and the viscera of the abdomen being thus
65 more or less raised as health or comfort shall demand. The annexed drawings are further referred to in explanation.

I do not claim the ratchet hinge, as that has been before used, although under different
70 arrangements. But

What I do claim is—

Combining the ratchet hinge with the truss pad and slide upon the flat spring by which I give the advantage of permanency
75 of the pad and ease of adjustment.

BENJM. W. STRATTON.

Witnesses:

NEWMAN EVERETT,
JOHN F. ORA.