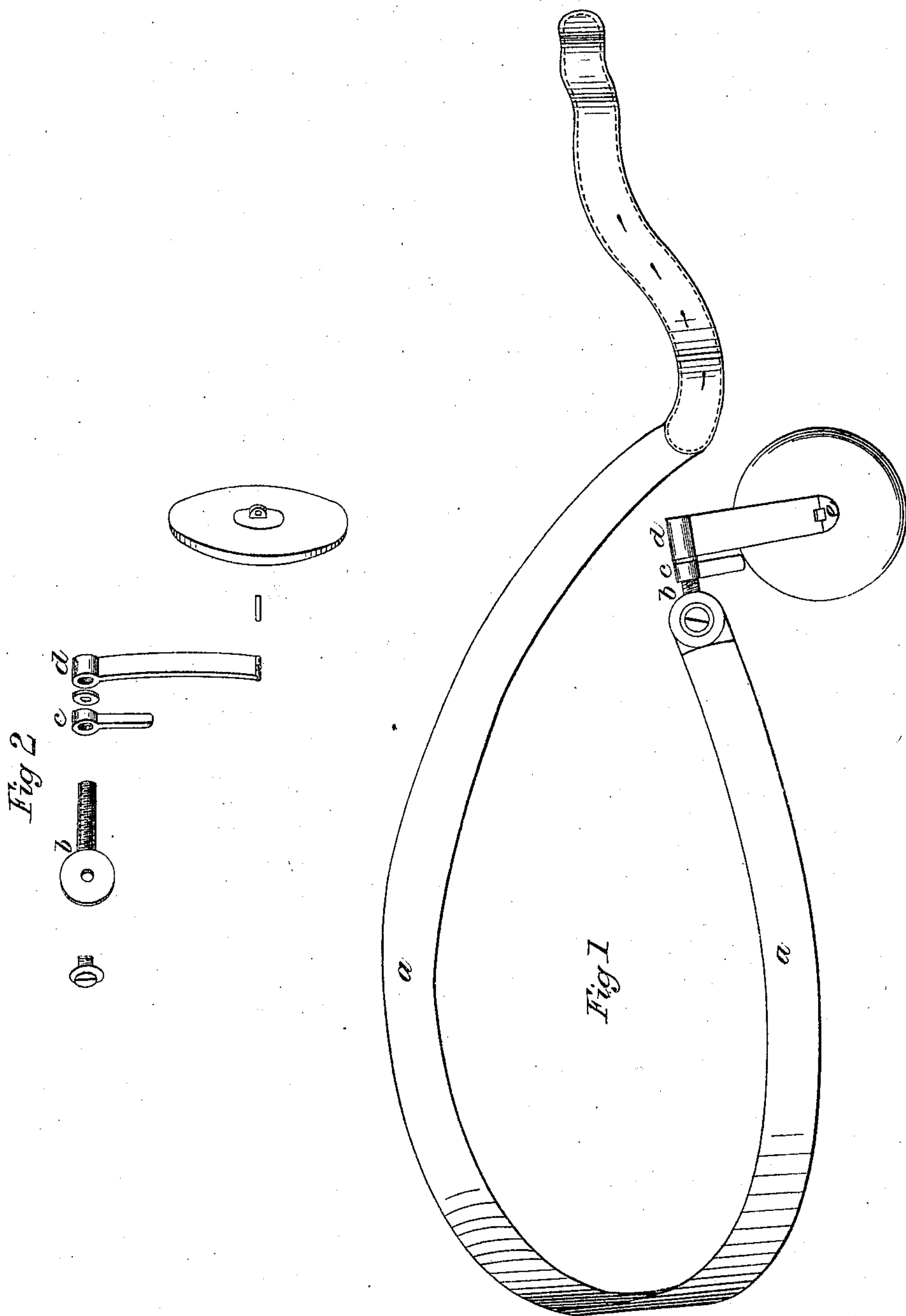


A. F. Ahrens,

Truss,

No. 4,867,

Patented Nov. 28, 1846.



UNITED STATES PATENT OFFICE.

A. F. AHRENS, OF PHILADELPHIA, PENNSYLVANIA.

TRUSS.

Specification of Letters Patent No. 4,867, dated November 28, 1846.

To all whom it may concern:

Be it known that I, A. F. AHRENS, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented
5 new and useful Improvements in Trusses for the Cure of Hernia, and that the following is a full, clear, and exact description of the principle or character which distinguishes
10 them from all other things before known and of the manner of making, constructing, and using the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of the instrument complete. Fig. 2 represents the
15 parts that attach the pad to the body spring detached together with the pad.

The same letters indicate like parts in all the figures.

20 Great difficulty has arisen heretofore in constructing a truss so that the pad could be readily shifted into any position while it maintained a freedom of motion to adapt itself to the body and at the same time could
25 be easily and cheaply constructed. My improvements consist in the method of connecting the pad with the body spring and in the manner of adjusting it to the proper pressure, by which the above named difficulties are overcome.
30

The construction is as follows: The body spring is made in the usual way, and is furnished with a braided cover (*a*) as clearly

shown in the drawing; to the front end of the spring there is a screw (*b*) attached by a
35 proper joint so that it can have a motion in a vertical direction, onto this screw is fitted a nut (*c*) having a short stem to it, as shown in the drawing; next to this nut I place a washer and then screw on the connecting piece (*d*) which is a plain flat piece
40 of steel having a nut cut in the upper end, and at the lower end there is a swivel joint (*e*). The pad is made of metal of any usual shape and its surface is enameled for
45 the purpose of preventing corrosion. By means of the double nut on the screw (*b*) the pad can be set in any desired position and firmly retained there, thus nicely adjusting the pad to the pressure required, by
50 which a more perfect adaptation of the truss is effectual which is not the case where a rack is used for that purpose.

Having thus fully described my improved truss, what I claim as my invention
55 and desire to secure by Letters Patent is—

The combination of the pad with the body spring of a truss in the manner set forth, so that the pad can be conveniently adjusted into its position and retain its universal
60 freedom of action, as described, by means of the double unit *c*, *d*, and screw (*b*).

ADOLPH F. AHRENS.

Witnesses:

J. J. GREENOUGH,
A. P. BROWNE.