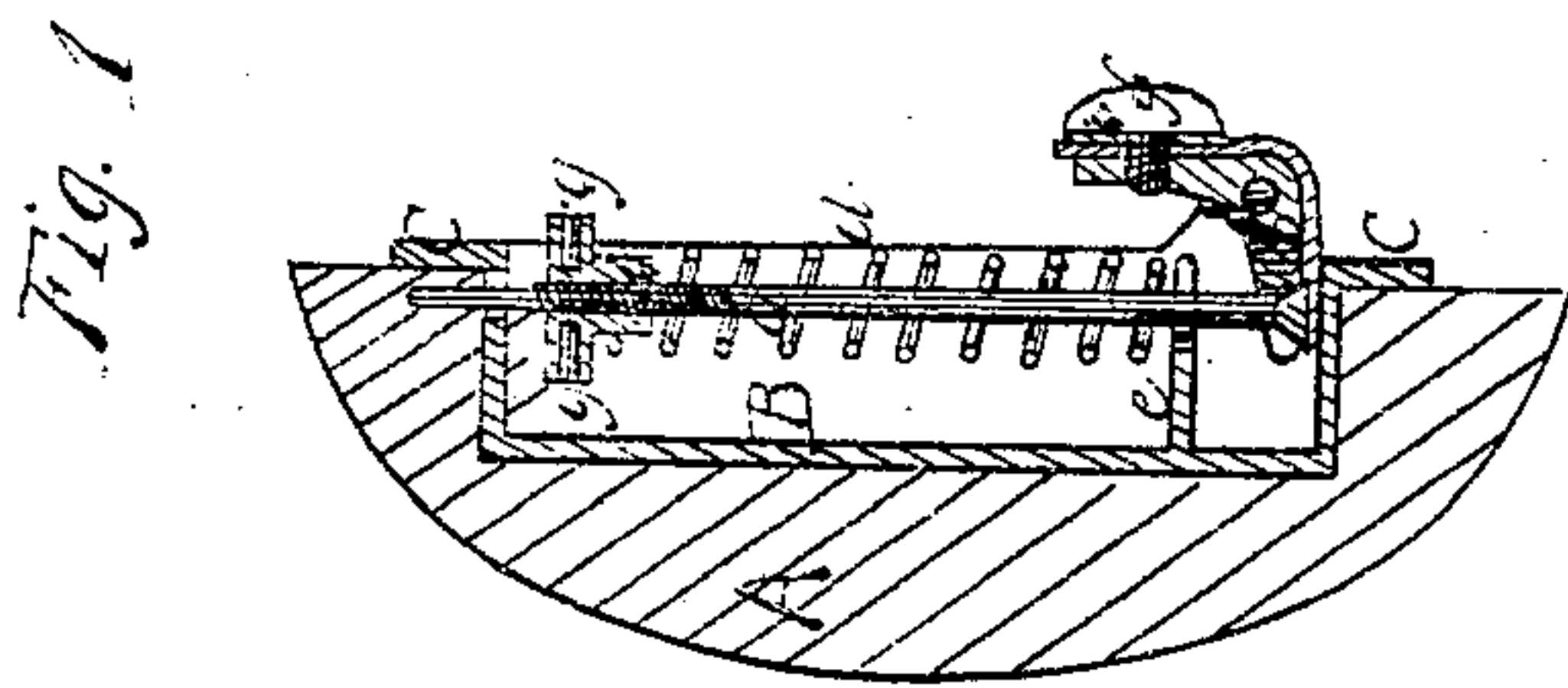
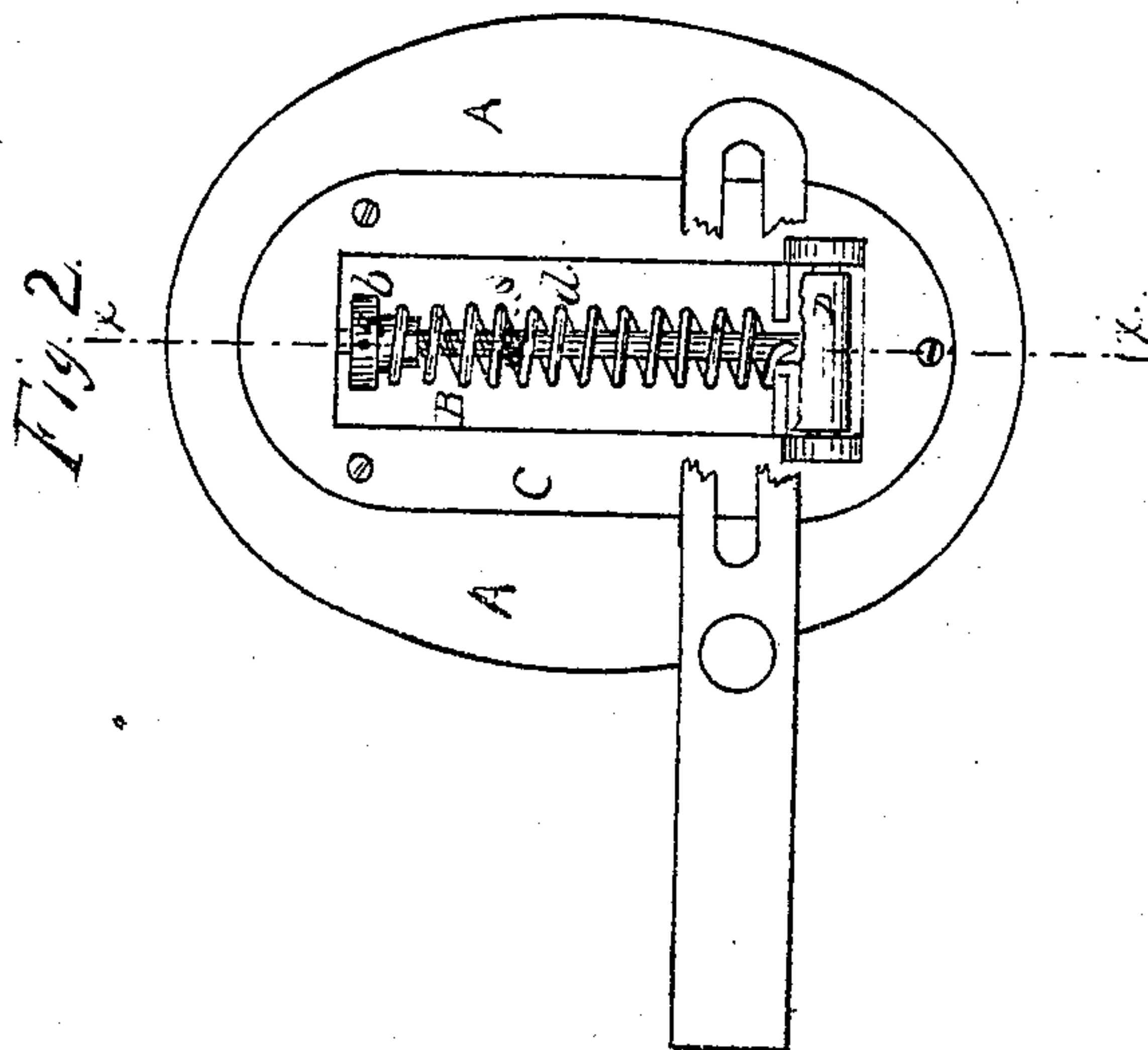


A. F. H. Braun.

Truss for Hernia.

N^o 72789

Patented Dec. 31, 1867



Witnesses:

Wm. Smith
J. L. Boone

Inventor:

Augustus F. H. Braun

United States Patent Office.

AUGUSTUS F. H. BRAUN, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 72,789, dated December 31, 1867.

IMPROVED TRUSS FOR HERNIA.

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, AUGUSTUS F. H. BRAUN, of San Francisco, county of San Francisco, State of California, have invented an Improved Truss for Hernia; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

The nature of my invention is to provide an improved truss for hernia, so constructed that it may be easily adjusted, and the pressure against the protruding organ be regulated to suit the exigencies of the case, as, where a slight pressure is wanted, a screw is turned, which relieves the mechanism which holds the button or pad too firmly against the protrusion; and, by turning the screw in an opposite direction, a greater pressure of the spring is had, which brings the pad more firmly against the rupture. This is easily accomplished by the wearer, and without removing the truss from the body.

To more fully illustrate and describe my invention, reference is had to the accompanying drawings and letters marked thereon, of which—

Figure 1 is a sectional elevation, taken through *x x*, fig. 2.

Figure 2 is a plan.

Similar letters in each of the figures indicate like parts.

In front of the pad A, I make an oblong opening, B, of suitable size for the mechanism employed, which consists of a metal frame, C, through which a screw, *a*, passes longitudinally, with its head resting against the lower portion of the lever D, which has its bearings above on standards attached to the metal frame. The opposite end of the screw is provided with a thread, upon which a nut, *b*, turns. A coiled brass wire or spiral spring, *d*, is placed in the opening of the pad, the screw passing through it, one end of the spring resting against a partition, *e*, of the frame, and the opposite end against the nut *b*. The spring should be of considerable strength to give a sufficient pressure when turned up.

In its operation, the usual supporter or bandage is employed, and kept in place by the set-screw *f*, on the top of the knee-lever D; and, when a greater pressure of the pad against the protrusion is necessary, the nut is turned up on the thread of the screw, by which operation the spiral spring is brought nearer together, which carries the screw—the head of which is permanently fastened to the lower portion of the lever D—towards the end of the opening in the pad, and presses the pad at every turn harder and harder against the organ. Should the pressure become too painful, the nut may be turned back to the point of endurance.

For convenience in turning the nut, small holes, *g g*, are made in the head, in which a pin may be placed.

The above mechanism may be applied to both hard and soft pads. By this means a truss is had that can be adjusted to the nicest and finest precision.

Claim.

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

The screw *a*, having its bearing against the lever D, the spiral spring *d*, through which the screw passes, and the nut *b*, for regulating the pressure of the pad, in combination with the frame C and axis D, substantially as and for the purpose described.

In witness whereof, I have hereunto set my hand and seal.

AUGUSTUS F. H. BRAUN. [L. S.]

Witnesses:

J. L. BOONE,

C. W. M. SMITH.