

(No Model.)

H. BECKER.  
Truss.

No. 232,439.

Patented Sept. 21, 1880.

Fig. 1.

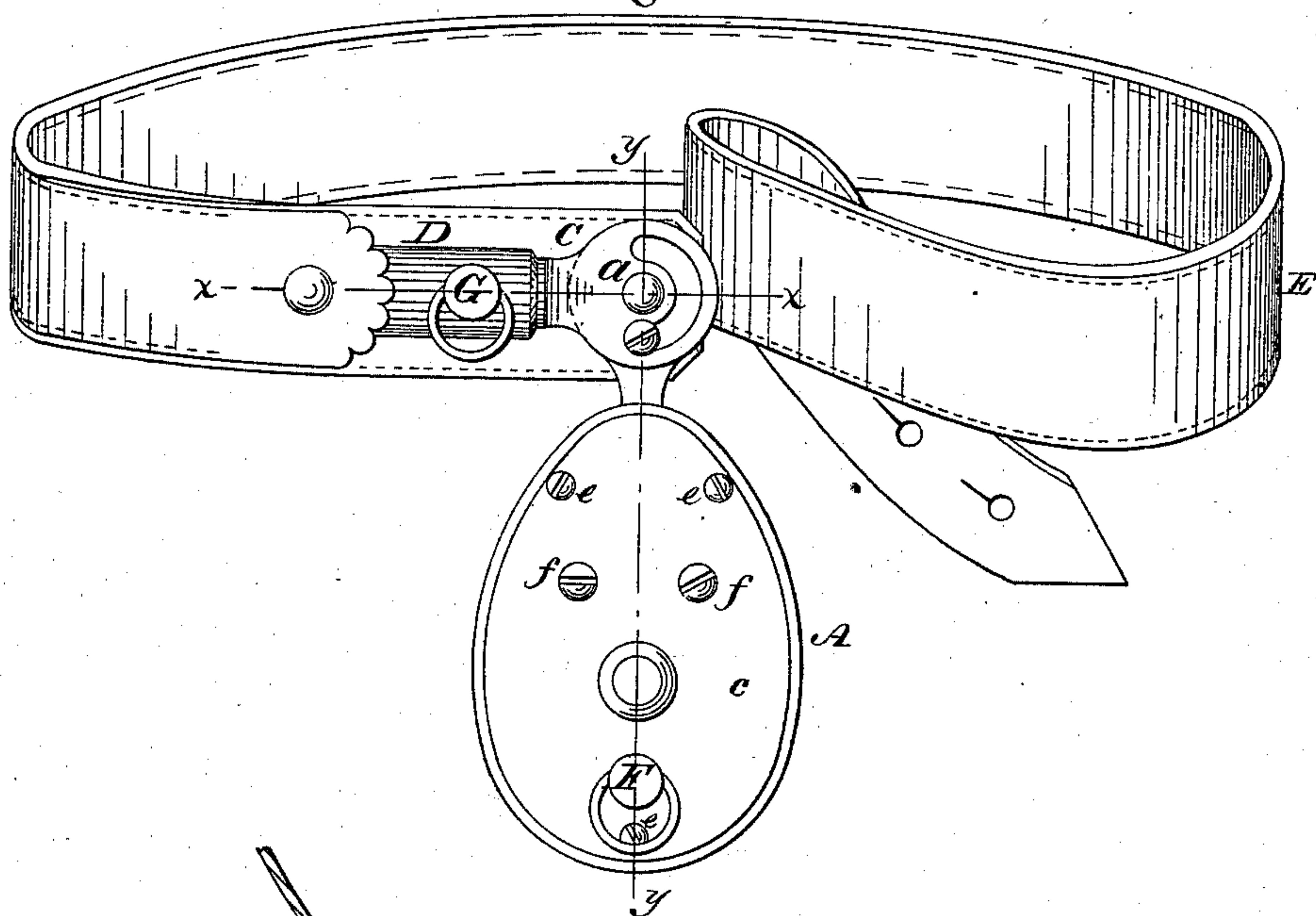


Fig. 2.

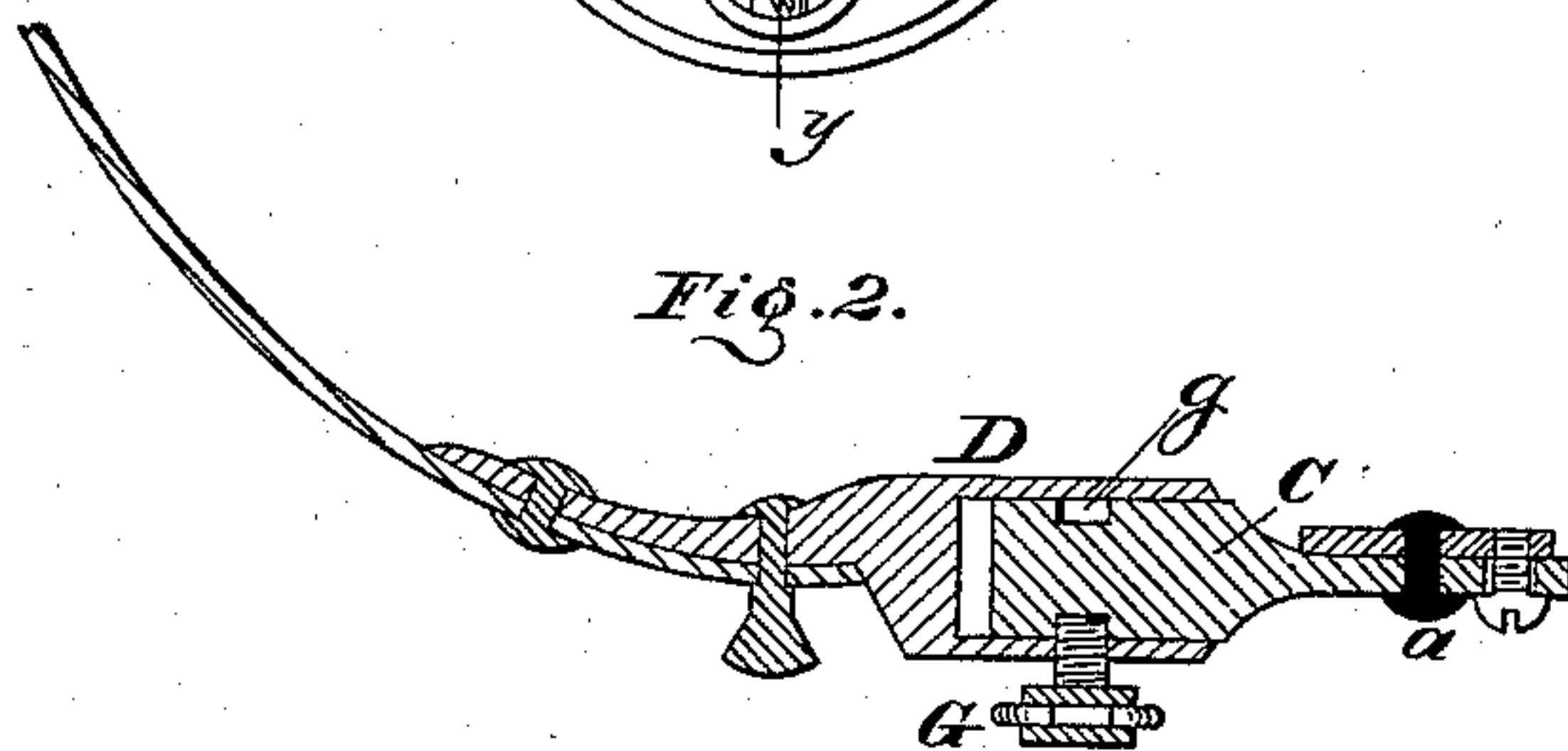
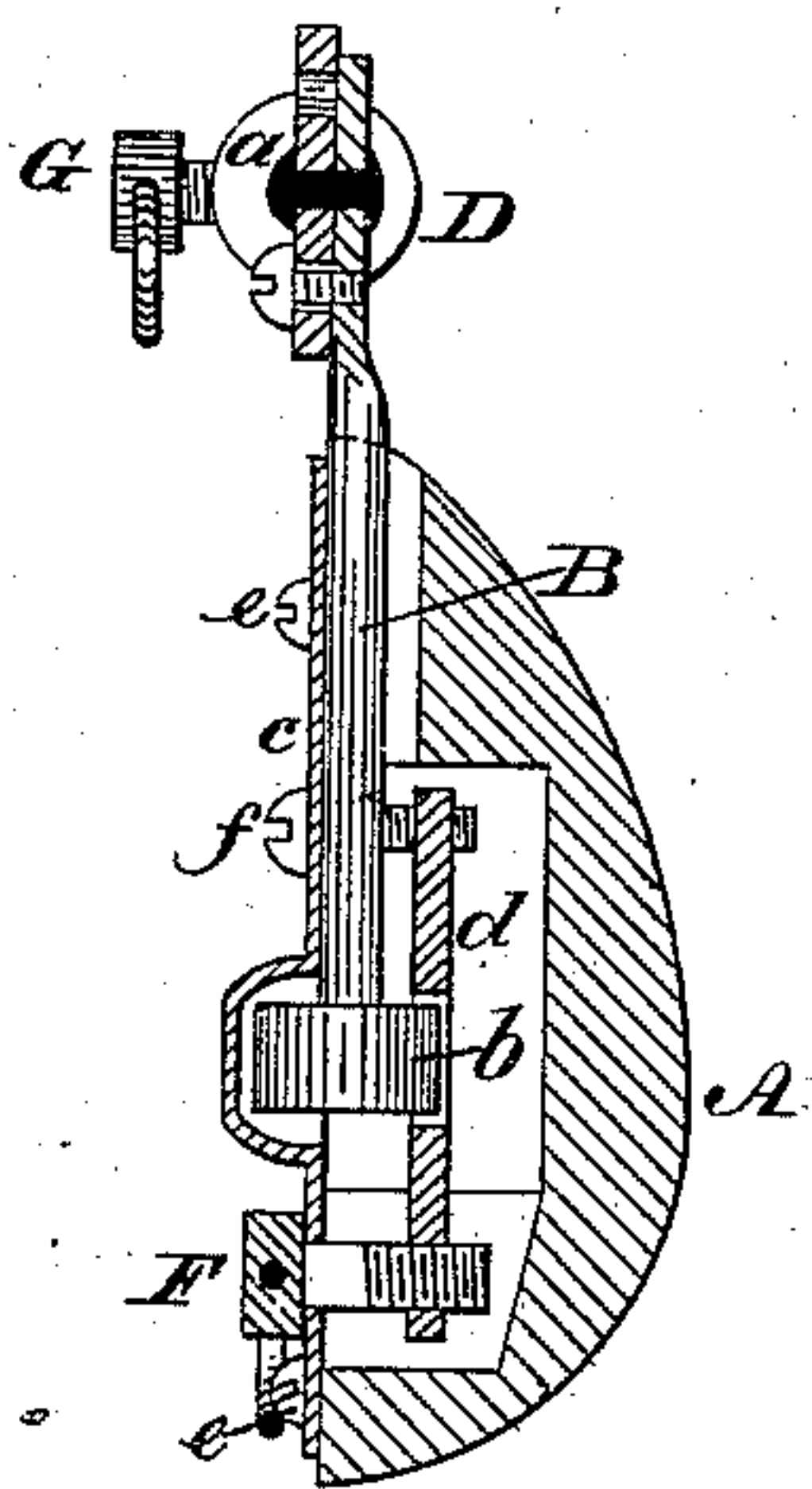


Fig. 3.



Witnesses:

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# UNITED STATES PATENT OFFICE.

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## TRUSS.

SPECIFICATION forming part of Letters Patent No. 232,439, dated September 21, 1880.

Application filed April 2, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, HERMAN BECKER, a citizen of the United States, residing in the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Trusses, (Case B,) which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a front view of a truss embodying my invention. Fig. 2 is a horizontal section in line *xx*, Fig. 1. Fig. 3 is a vertical section in line *yy*, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists in certain improvements in hernial trusses wherein the pad may be adjusted to ruptures of various kinds on either the right or left side of the body, as will be hereinafter set forth.

Referring to the drawings, A represents a pad, which is rotatable on a stem, B; and C represents a stem, which is rotatable in a sleeve, D, secured to one end of the supporting-band E, the two stems B C being pivoted together, as at *a*, so that the pad A may be swung around on the pivot *a*, and thus adapt the truss for right or left hand purposes, &c.

The end of the stem B within the pad A is formed with a head, *b*, which is held between the face-plate *c* of the pad and a clamping-plate, *d*, connected to said plate *c*, the latter being secured to the pad by means of screws *e* or other fastenings, the pad A rotating on the stem by means of the face and clamping plates. The clamping-plate *d* is connected to the face-plate by means of screws *f* and a thumb or set screw, F, the former being also employed for primarily adjusting the clamping-plate to the stem B and afterward taking

up the wear of the parts in contact. The screw F is adapted for loosening and tightening the clamping-plate.

The stem C is formed with a neck or groove, *g*, against which presses a set-screw, G, fitted to the sleeve D.

In order to adjust the pad to the desired part of the body, it may be necessary to rotate the stem C, or rotate the pad A on the stem B, or rotate both stem C and pad. To rotate the pad on the stem B as a vertical axis the screw F is loosened, whereby the clamping-plate *d* is released from the head *b* of the stem, after which the pad is adjusted and the screw F again tightened. To rotate the stem C the screw G is loosened, and thus the pad may be rotated on the stem C as a horizontal axis. When this adjustment is complete the screw G is tightened, and the parts thus retain their adjusted position.

Additional adjustment may be obtained by means of the pivot *a* of the two stems, this feature, however, being heretofore known.

If desired, the screw F may operate directly against the stem B or its head *b*.

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

The improved truss consisting of the rotatable pad A, headed stem B, inclosed clamping-plate *d*, face-plate *c*, tightening-screw F, adjusting-screw *f*, sleeve D, rotatable stem C, and adjusting-screw G, combined and operating in the manner and for the purpose set forth.

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Witnesses:

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