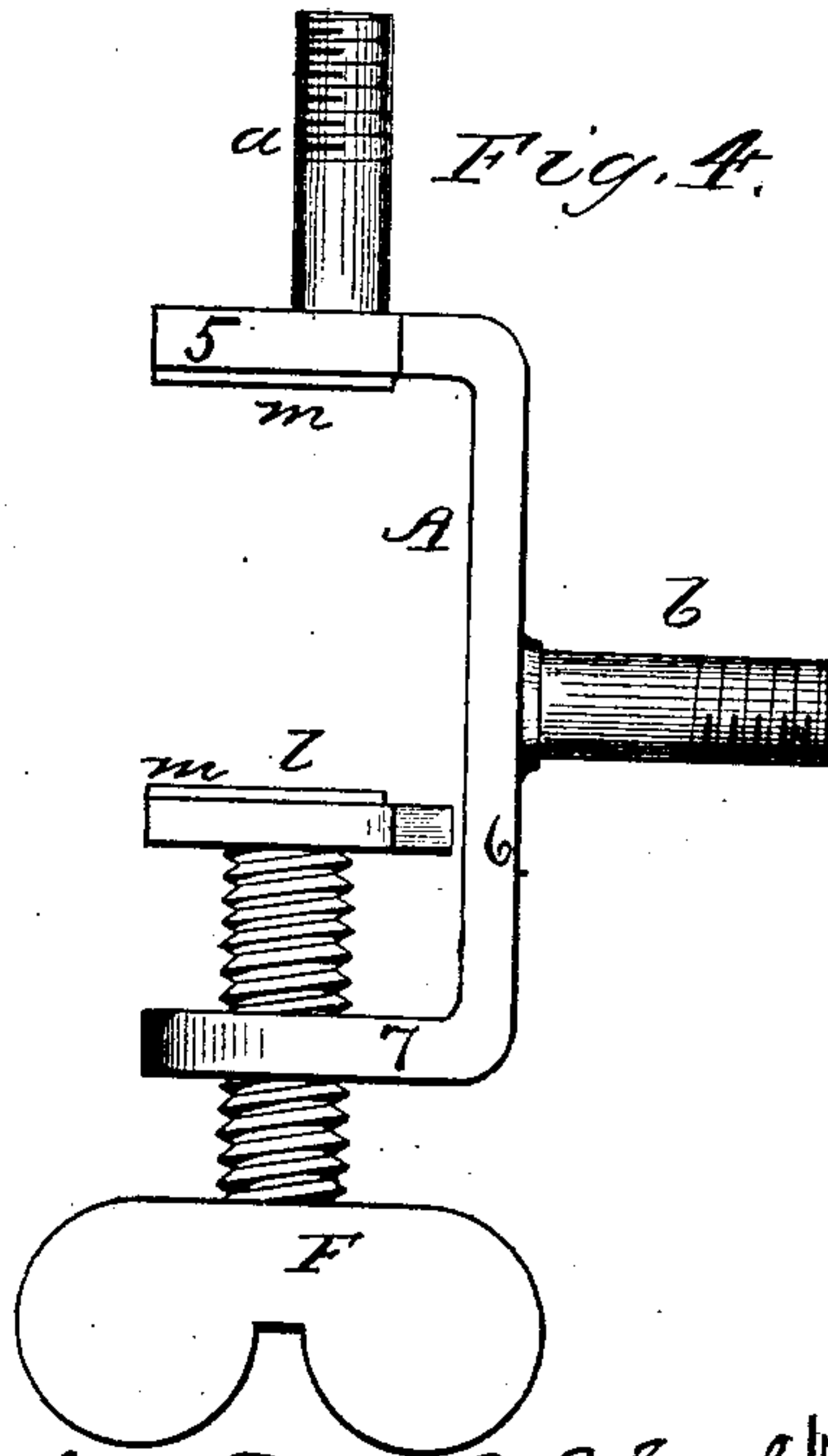
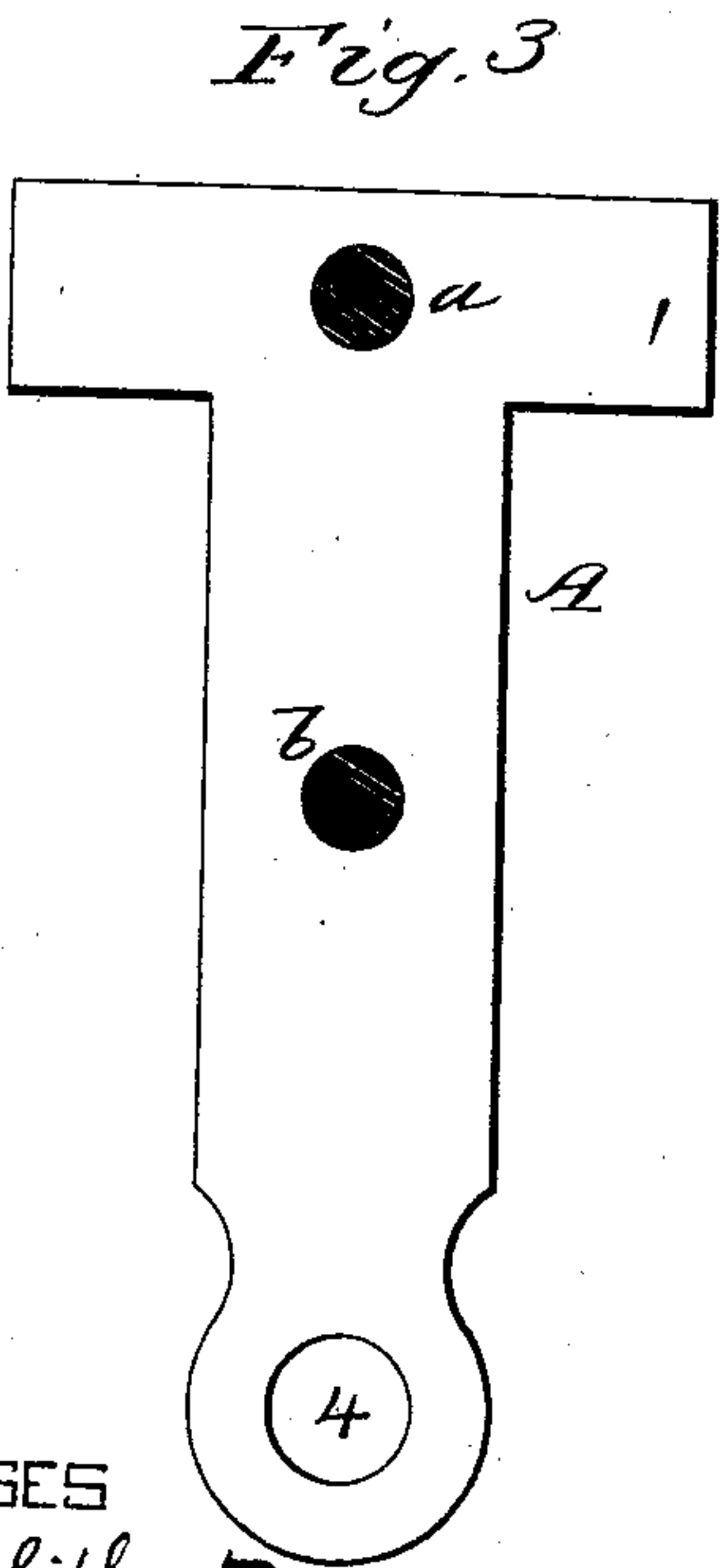
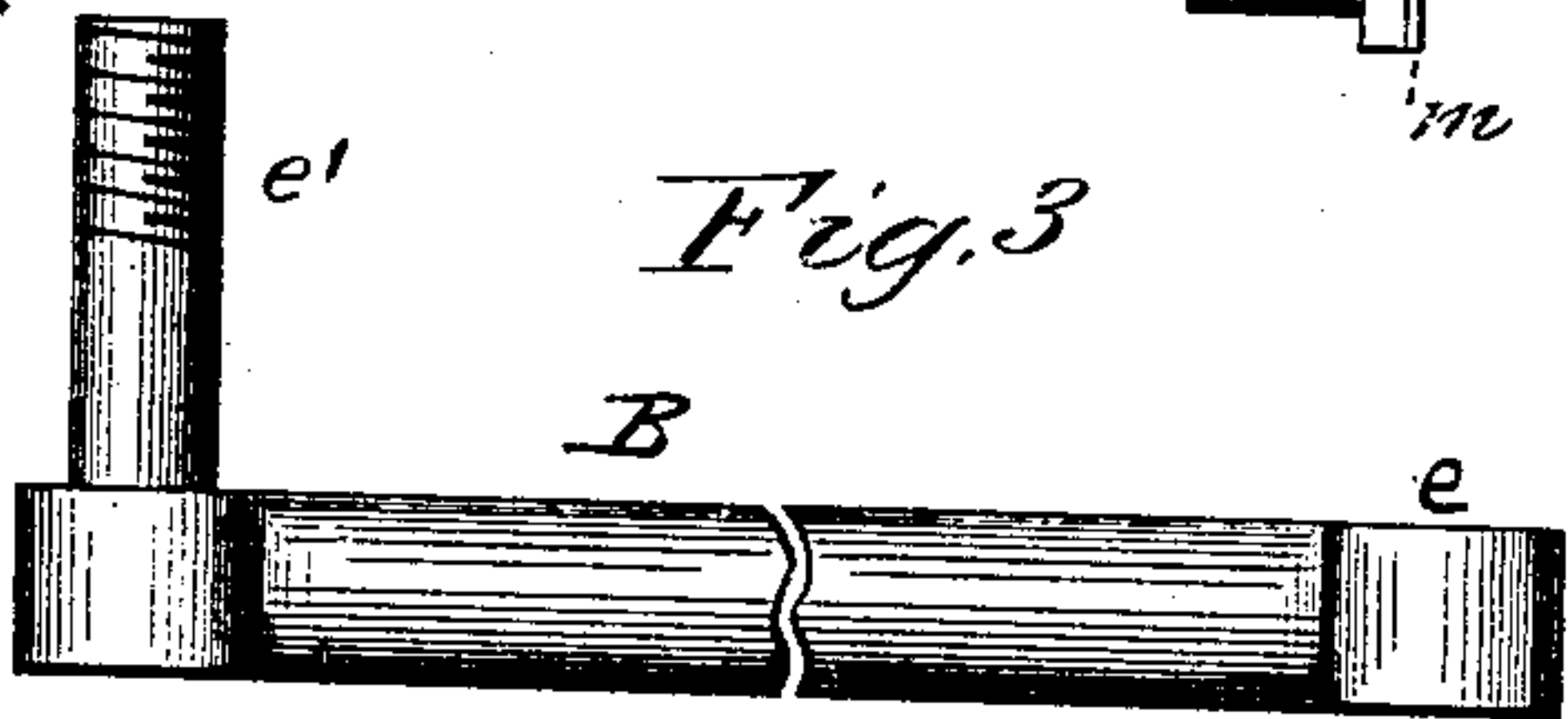
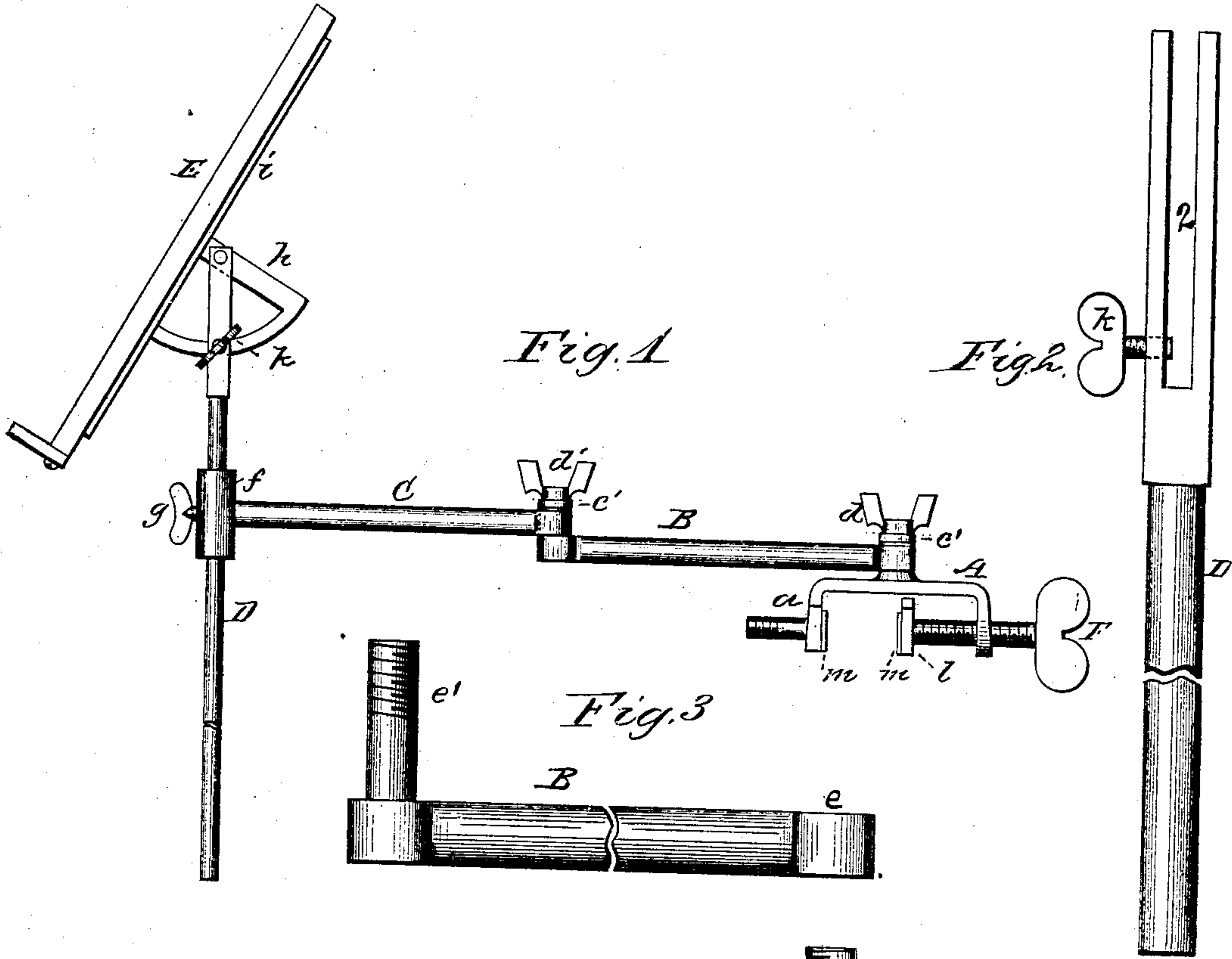


M. L. SCHOCH.
Book-Support.

No. 208,039.

Patented Sept. 17, 1878.



WITNESSES

Wm. E. Oliphant

Dan. Welch

Martin L. Schoch INVENTOR
By J. B. Wunderly
Attorney

UNITED STATES PATENT OFFICE.

MARTIN L. SCHOCH, OF NEW BERLIN, PENNSYLVANIA.

IMPROVEMENT IN BOOK-SUPPORTS.

Specification forming part of Letters Patent No. **208,039**, dated September 17, 1878; application filed April 12, 1878.

To all whom it may concern:

Be it known that I, MARTIN L. SCHOCH, of New Berlin, in the county of Union and State of Pennsylvania, have invented certain new and useful Improvements in Book-Supports, &c.; 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 which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 is a representation of a side elevation of my invention; Fig. 2, a side elevation of the slotted elevating-rod; Fig. 3, a plan view of the T-shaped bar from which the clamp is formed, and Fig. 4 a view showing the clamp as used in a vertical position.

The object of my invention is to improve the book and sheet-music holders now before the public, whereby such devices can be manufactured at a small cost, and will be simple in its parts, and easily attached or clamped to a horizontal or vertical object—lounge, chair, or other fixture convenient to the reader—so that the jointed arms thereof can be adjusted to any position or angle and the vertical rod carrying the rest to any desired height, as will be hereinafter more fully set forth, and pointed out in the claim.

In the annexed drawings, A represents a blank of metal having at one end side extensions 1, and at the other end a perforated lug, 4. This blank is also provided with two projections, forming bolts, *a b*, one arranged on a line with the extensions 1, and the other about midway of the blank, as shown in Fig. 3 of the drawings. The blank is now formed into shape for a clamp-frame by bending the upper end around at right angles to the body 6 of the blank to form the stationary arm 5, and carrying therewith the screw-threaded bolt *a*. The lower end of this blank is also bent around at right angles, forming the arm 7. This arm 7 is provided with a screw-threaded orifice, in which works a set-screw, F, carrying at its inner end a bearing, *l*, for the purpose of accommodating the clamp to the different thickness of chain-arms or other fixtures.

The inner surfaces of the arms 5 and bearing *l* are cushioned for the purpose of preventing the furniture from being marred or otherwise injured.

The screw-threaded bolt *b* is formed on the vertical wall or body 6 of the clamp-frame. By this construction and arrangement of a clamp, as shown in Fig. 4 of the drawings, it will be noticed that the bent arms are directly opposite each other and the screw-bolts *a b* at right angles to each other, thereby admitting the clamp to be used either in a horizontal or vertical position by connecting the rod B to either one of the bolts.

The letter B represents a connecting-arm, the inner end of which is perforated and passed over either of the screw-threaded bolts, and secured in position by means of a washer and thumb-nut, *d*. The outer end of the connecting-bar B is provided with a vertical screw-threaded bolt, *e'*, over which is passed the perforated end *c'* of the connecting-arm C, and confined in position by means of a washer and thumb-nut, *d'*. The outer end of this connecting-arm C is provided with a sleeve, *f*, through which passes the vertical adjustable rod D, carrying at its upper end the book-rest E, and secured at the proper elevation by means of the set-screw *g*, as shown in Fig. 1 of the drawings.

By pivoting or journaling the connecting-arms in the manner above described they can be swung in various angles, in order to bring the rest E within the reach of the reader or musician.

The upper end of this rod D is provided with a groove or slot, 2, through which passes the segmental plate *h* of the rest E. This plate *h* is pivoted within the slot at the upper end of the rod D, and the rest E held at any desired angle by means of the set-screw K, which presses against and binds the segment *h*, as shown in Fig. 1 of the drawings.

Although I have described but two pivoted connecting-arms, I may use any number convenient in the manner above described.

Heretofore book supports or rests have been made with a clamping device and movable arms, but they are incapable of being used both in a vertical and a horizontal position,

I am also aware that it is not new to use a clamp having sockets arranged at right angles with each other, in combination with a vertically-adjustable standard for supporting books or music, and to such inventions I make no claim, as they do not show my combined improvements in a single device to attain the results above stated.

What I claim as my invention, and desire to secure by Letters Patent, is—

A book or music support consisting of the clamp having the bent arms 5 7 and bolts *a b*, arranged as described, the connecting-arms B and C, pivotally connected with the clamp-

bolt and with each other by means of the threaded bolt *e'*, washer, and thumb-nut, the arm C, having a sleeve, *f*, adapted to receive the vertical rod D, passing through the sleeve, and carrying at its upper end the book or music rest, substantially as shown and described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

MARTIN L. SCHOOCH.

Witnesses:

THOMAS CHURCH,
WILLIAM MOORE.