

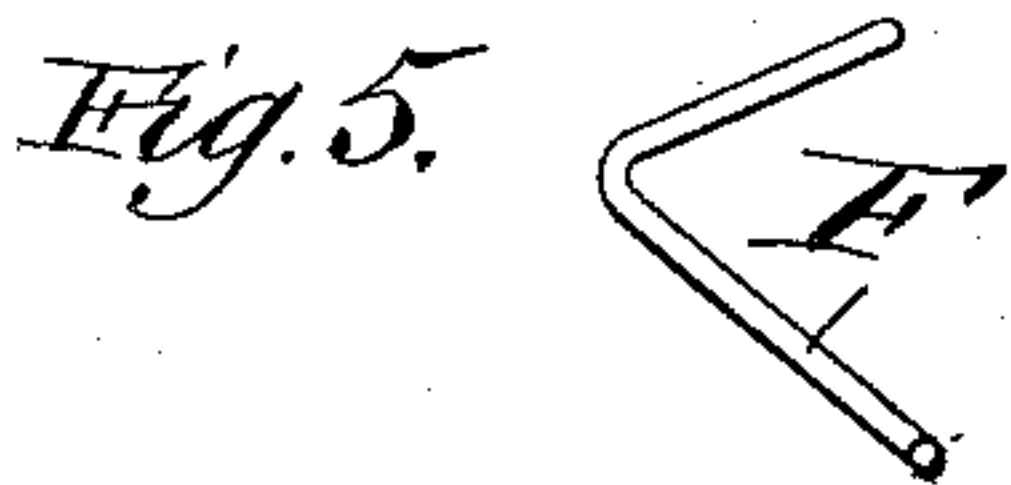
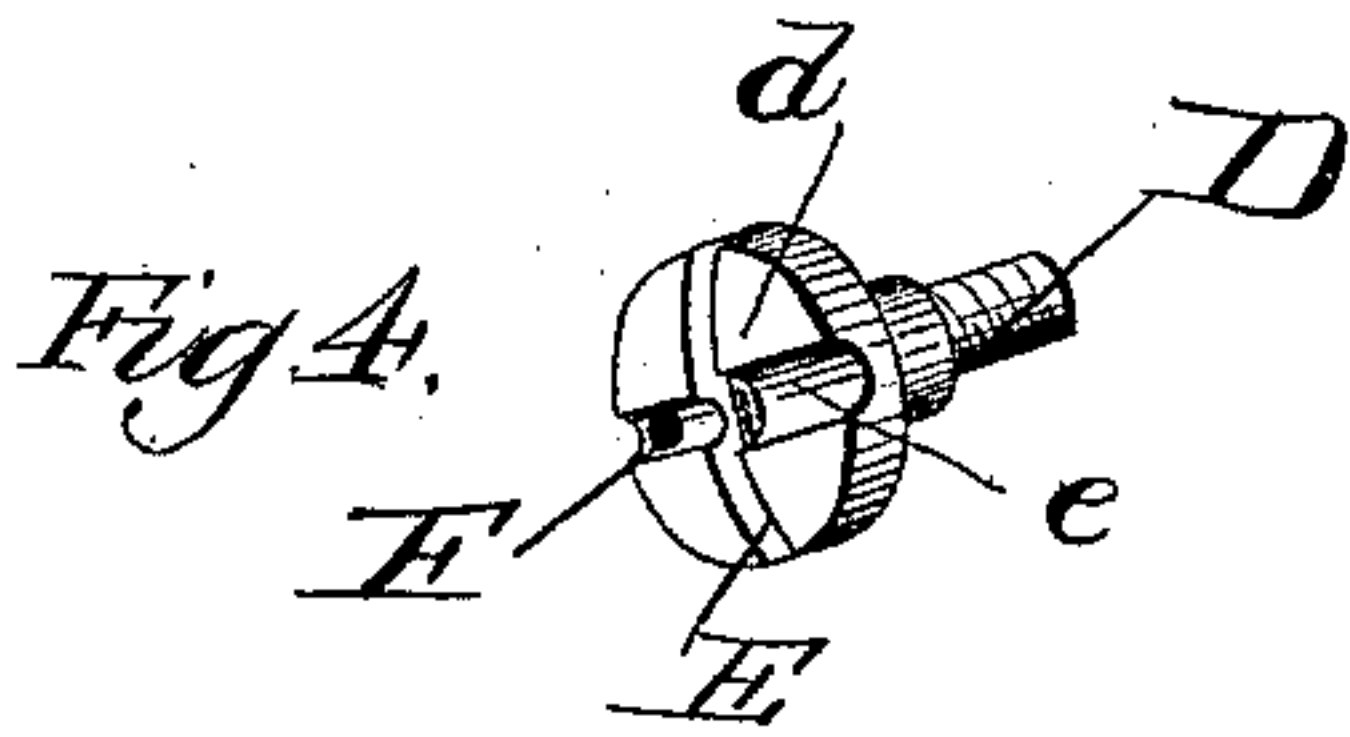
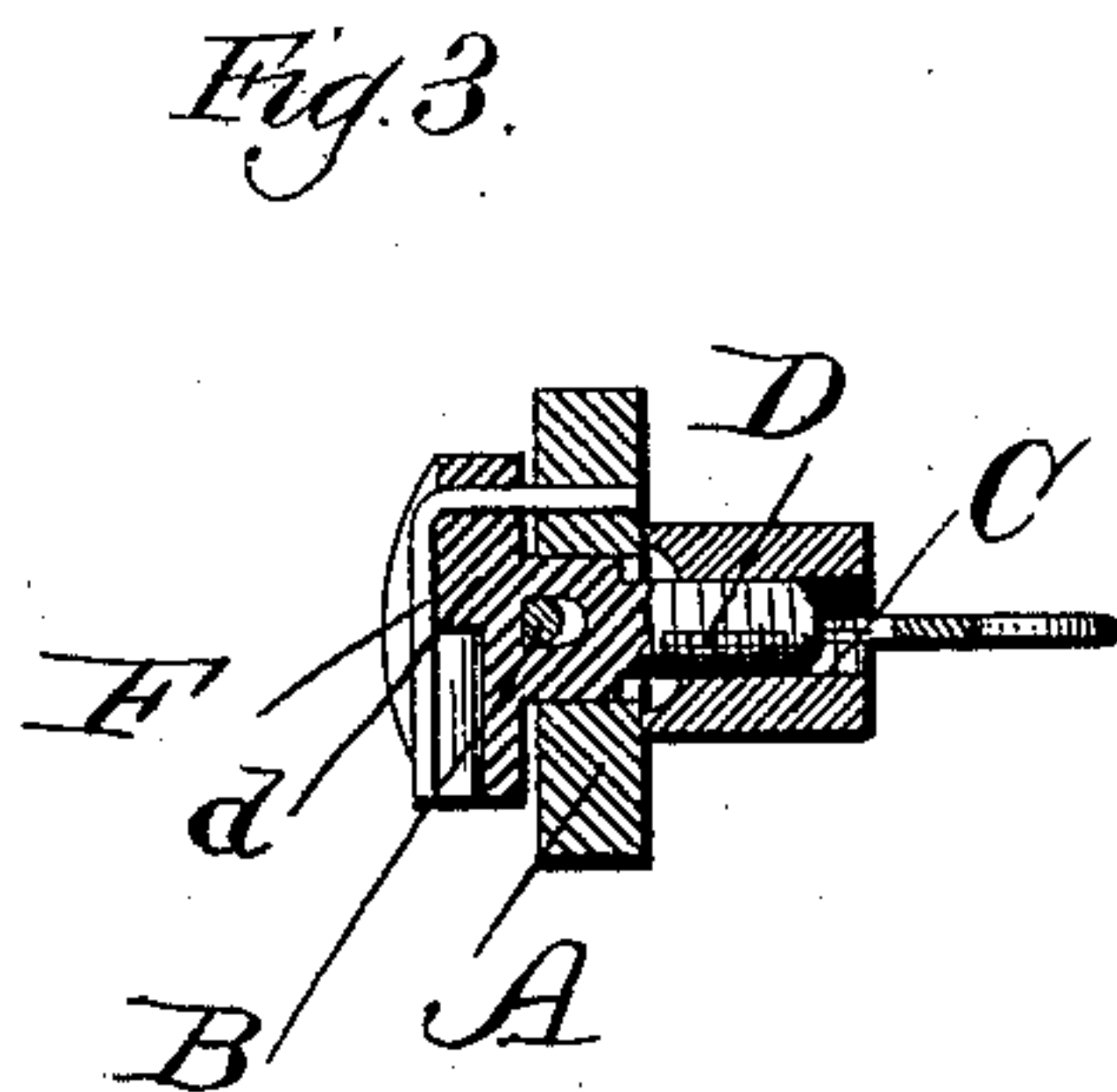
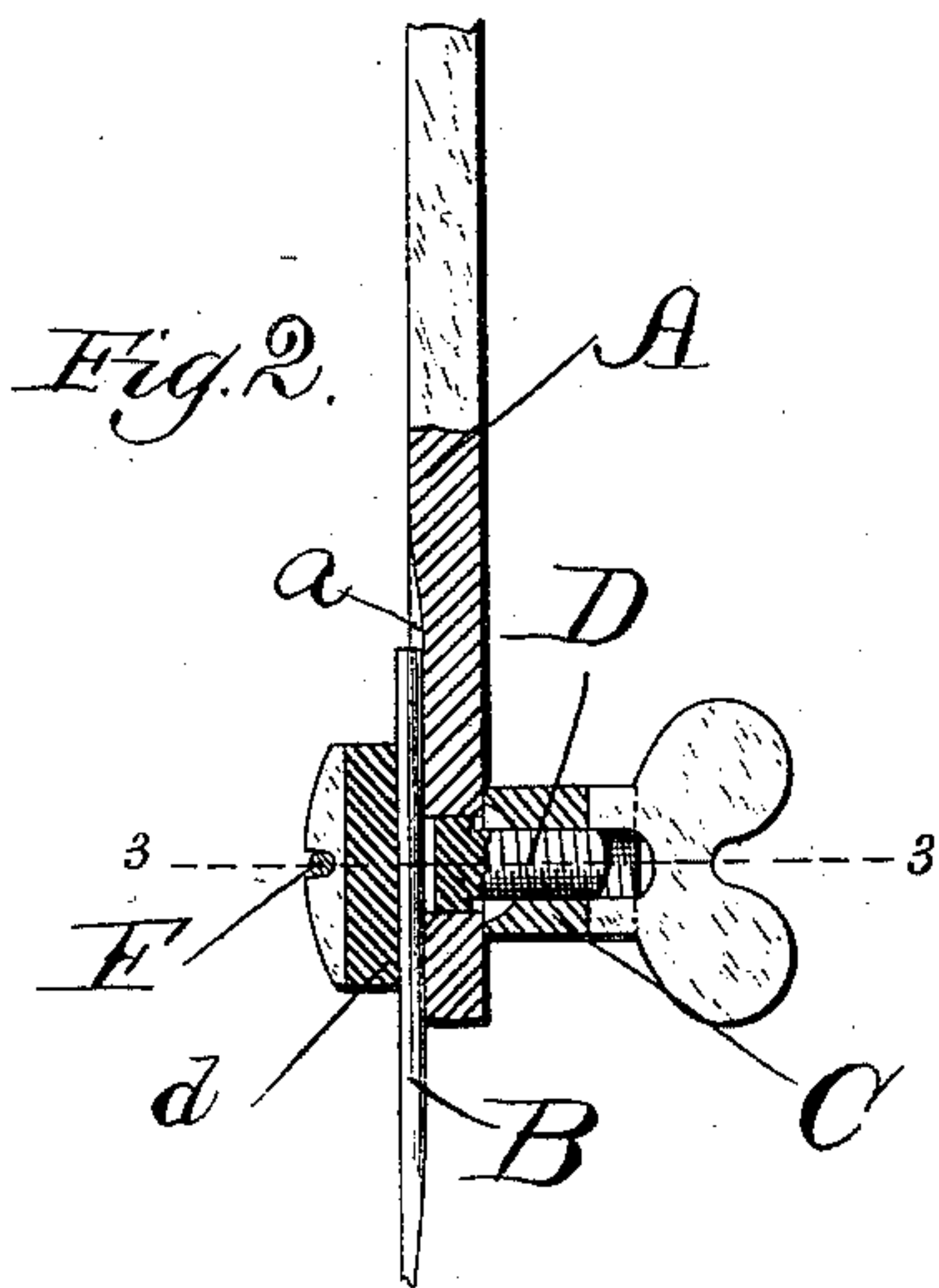
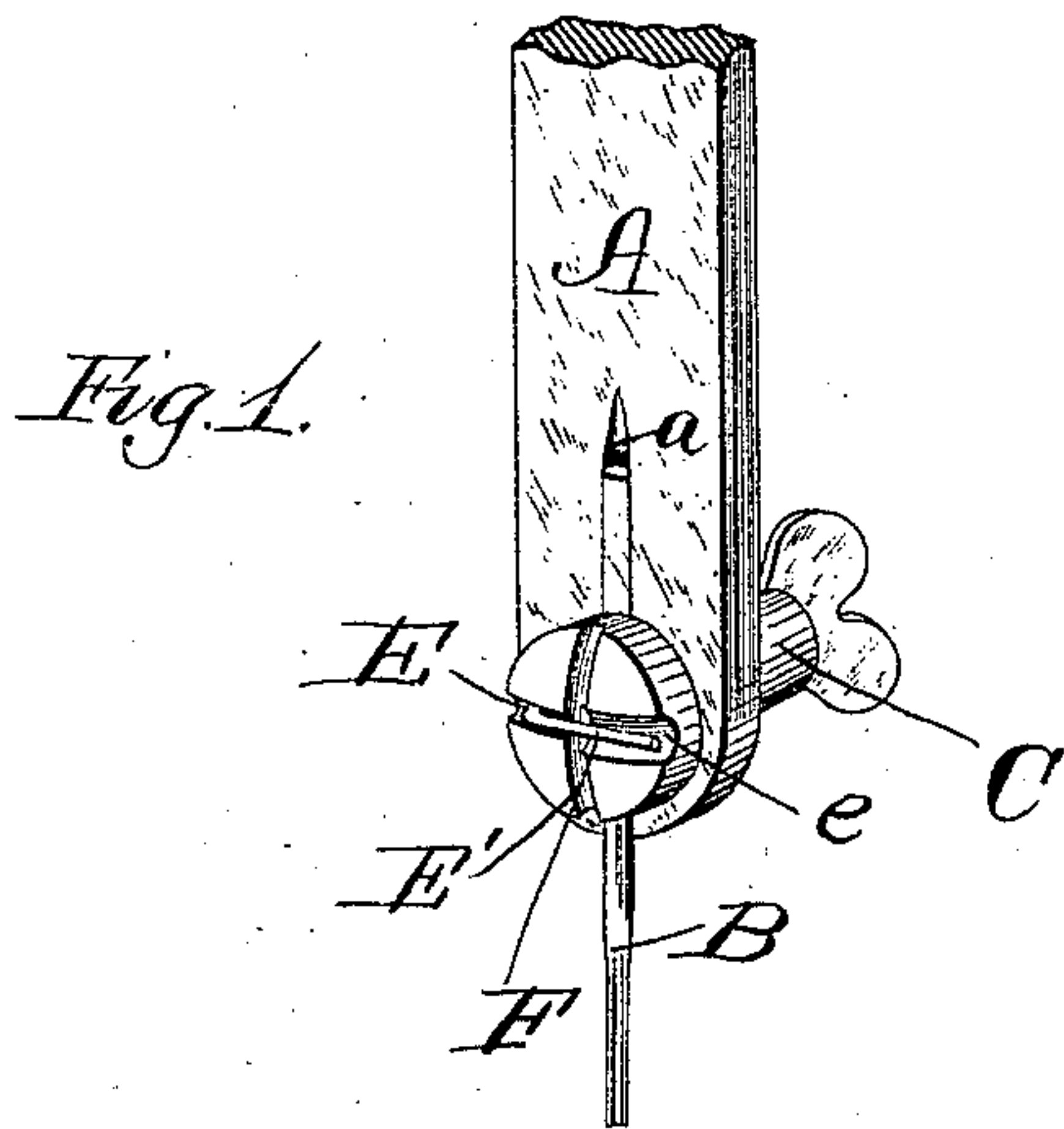
(No Model.)

J. W. COREY.

NEEDLE CLAMP FOR SEWING MACHINES.

No. 300,050.

Patented June 10, 1884.



Witnesses:

C. E. Gaylord.

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Inventor:

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JASPER W. COREY, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE SIGWALT SEWING MACHINE COMPANY, OF SAME PLACE.

NEEDLE-CLAMP FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 300,050, dated June 10, 1884.

Application filed June 7, 1883. (No model.)

To all whom it may concern:

Be it known that I, JASPER W. COREY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Needle-Clamps for Sewing-Machines, of which the following is a specification.

My invention relates to a new and improved needle-clamp, in which I secure a more perfect and cheap construction than has been obtained heretofore.

I have illustrated my invention by the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of the clamp attached to the needle-bar with the needle in its place. Fig. 2 is a section of Fig. 1 on lines 2 2 2. Fig. 3 shows a section on line 3 3 of Fig. 2. Fig. 4 shows the head of the clamp prepared to receive my improved pin. Fig. 5 shows the pin used by me in my invention.

Like letters refer to like parts throughout the several views.

A is the needle-bar. *a* is the groove into which the needle fits on said bar. *a'* is the hole in the needle-bar, into which my improved pin *F* enters. B is the needle; C, the wing-nut, by means of which the needle is clamped in its proper position. D is the bolt operated by or controlled by wing-nut C. *d* is the head of bolt D. *d'* is the hole in bolt D underneath the head *d*, through which the needle is placed. E E' are the grooves at right angles to each other on head *d* of bolt D. *e'* is the hole in the groove E, into which my improved pin *F* is forced or driven. *e* is that part of the groove E which is made wider and deeper than the remainder of the grooves for the purpose of passing the thread under. *F* is my improved pin, composed of a piece of wire bent into the proper form, preferably at right angles.

The purpose of my invention is to furnish

an economical method of attaching a thread-guide to the head of the needle-clamp, which thread-guide shall also serve as a guide to the head *d* of bolt D, in order to place the same in proper position to hold the needle; and I obtain this object in the following manner: The pin which I use in order to accomplish this result is composed of a single piece of wire bent into or nearly into the form and shape shown in Fig. 5—viz., at right angles. The pin, when thus formed, is driven or forced into the hole *e'* in the groove E in the head of the bolt of the needle-clamp, and allowed to project beyond or through said bolt in the manner shown in Fig. 3. The hole *a'* is also drilled into the needle-bar, in which hole that portion of the pin *F* projecting beyond the head of the bolt of the needle-clamp, as described, fits or enters loosely when the head of the bolt of the needle-clamp is placed in its proper position to have the needle placed through the hole *d'* in said bolt underneath the head *d* in the groove in the needle-bar, in order to be clamped into its place for use. By these means the head of the bolt of the needle-clamp is prevented from rotating, and is held in such position that the needle will pass through the said hole *d'* in the bolt, which is prepared to receive the needle, and enter or fit into the groove on the needle-bar.

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

In a needle-clamp for sewing-machines, the combination of a needle-bar having groove *a* and hole *a'*, bolt D, having grooves E, *e*, and E', and hole *d'*, formed in the head *d*, nut C, and an angular pin formed in one piece passing through holes *d'* and *a'* and extending into groove *e*, substantially as described.

JASPER W. COREY.

Witnesses:

FREDERICK C. GOODWIN,
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