

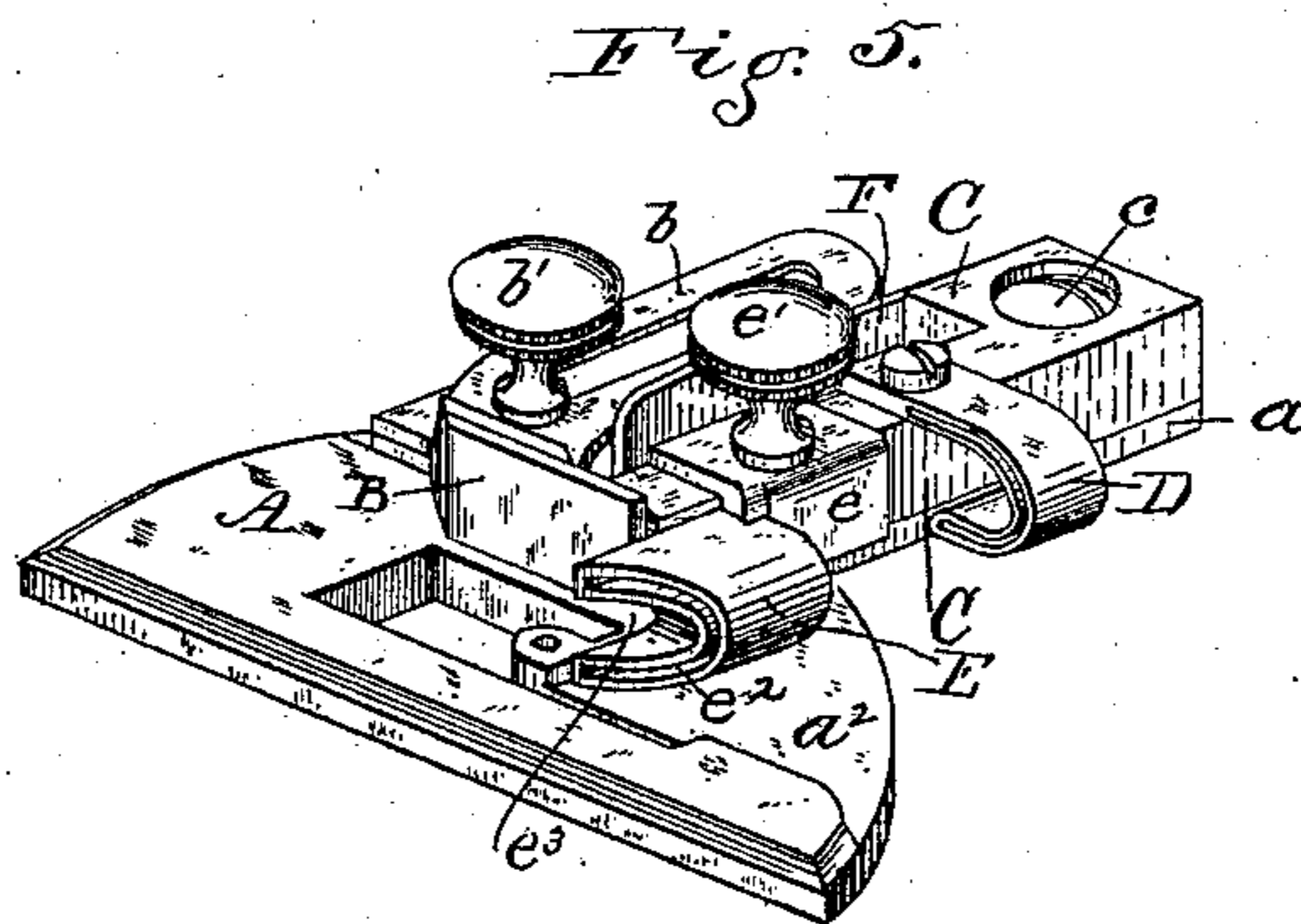
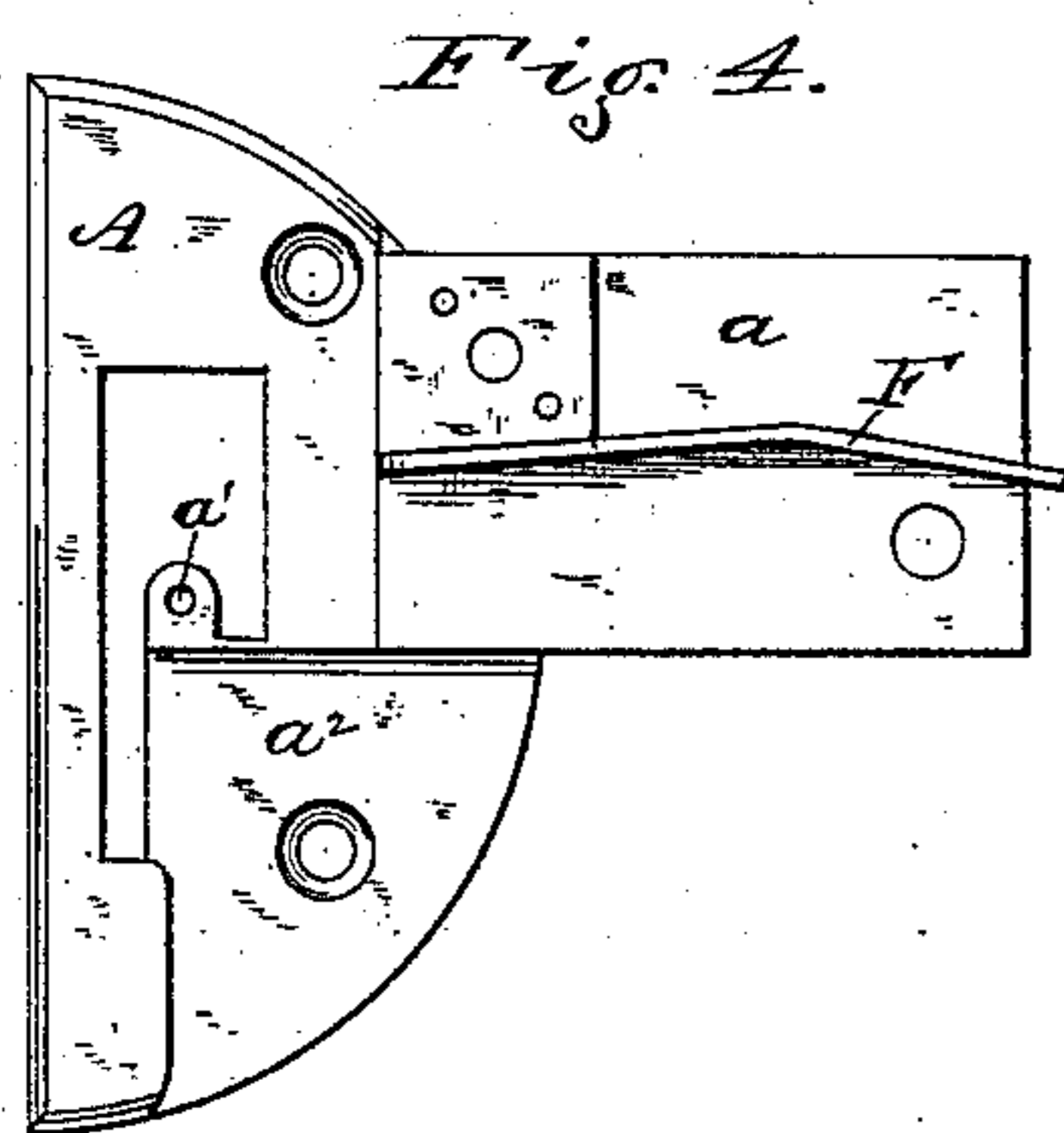
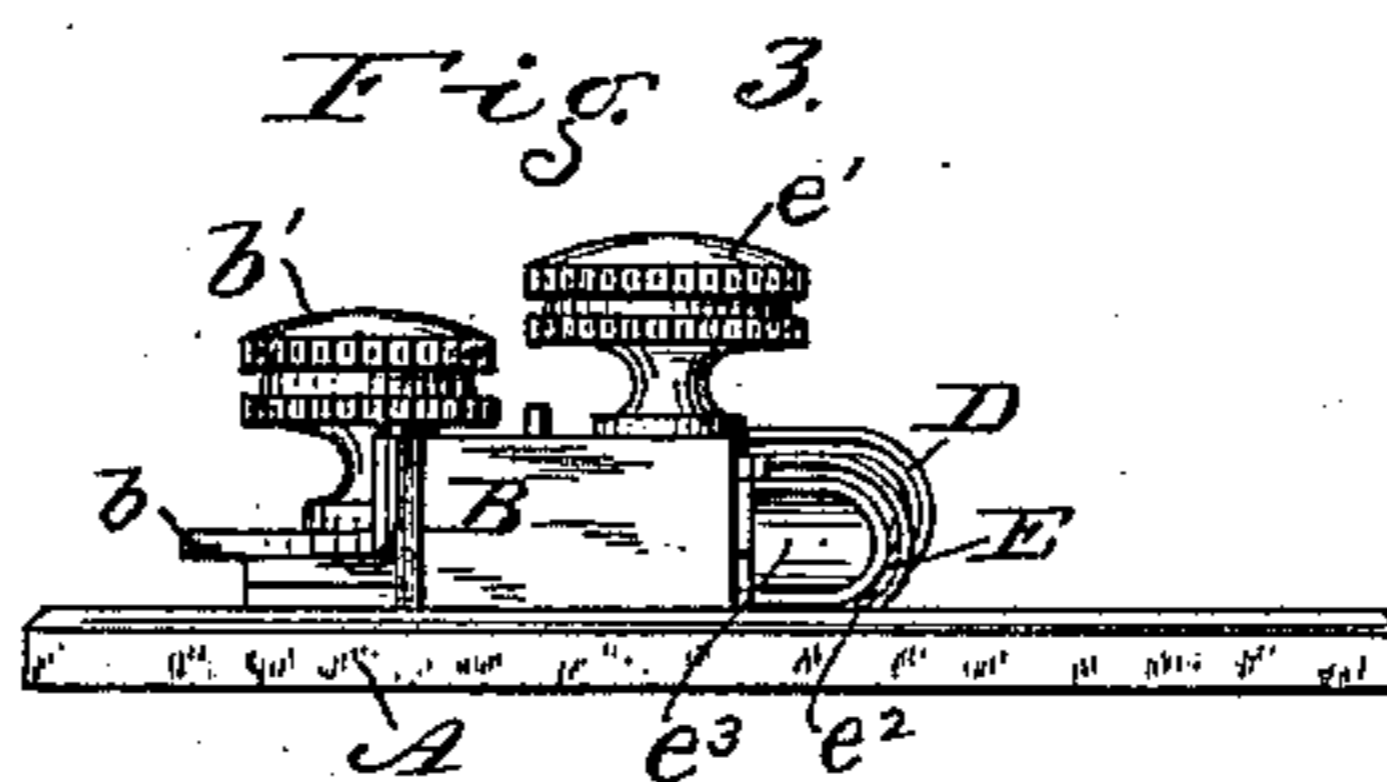
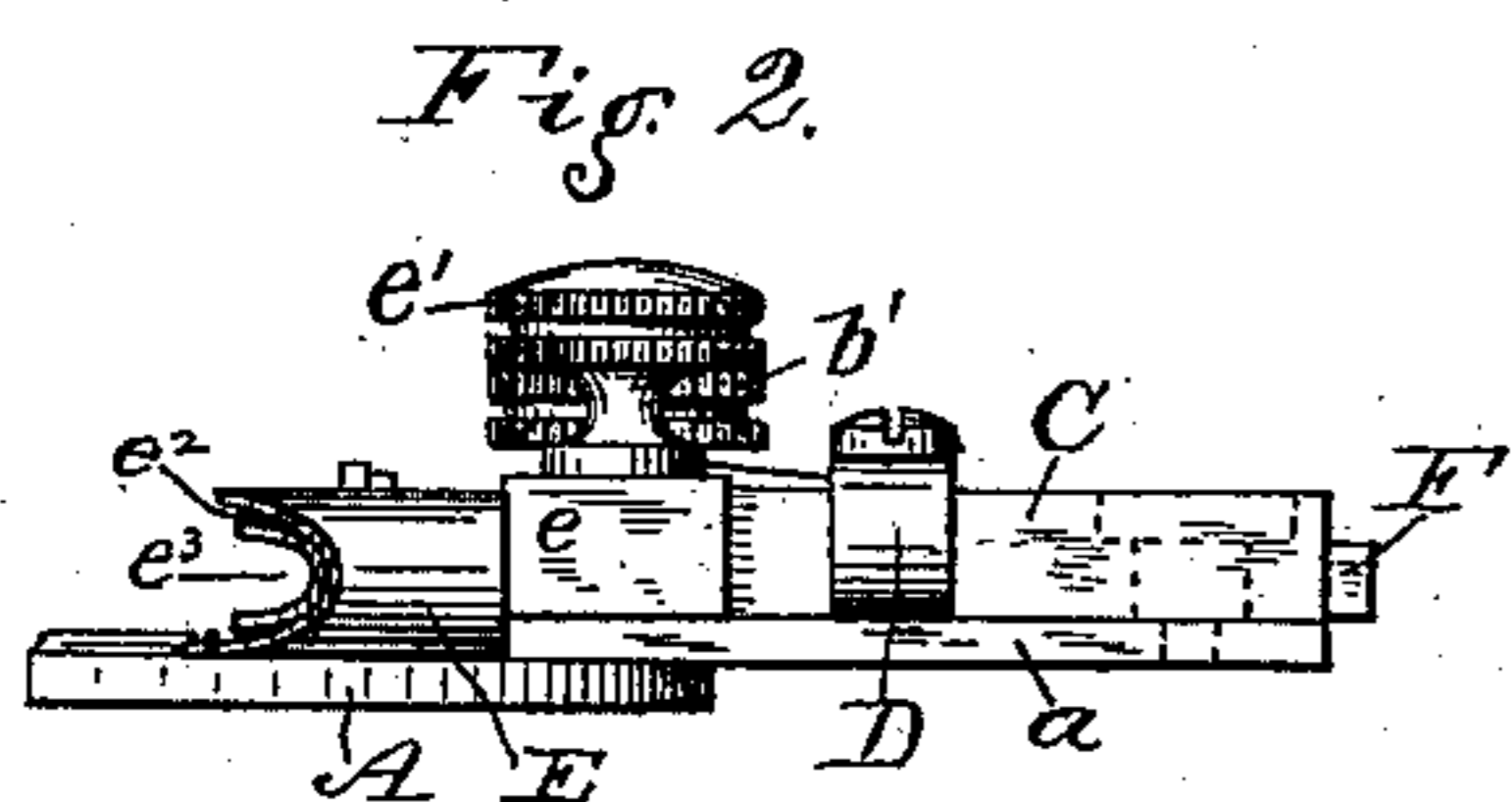
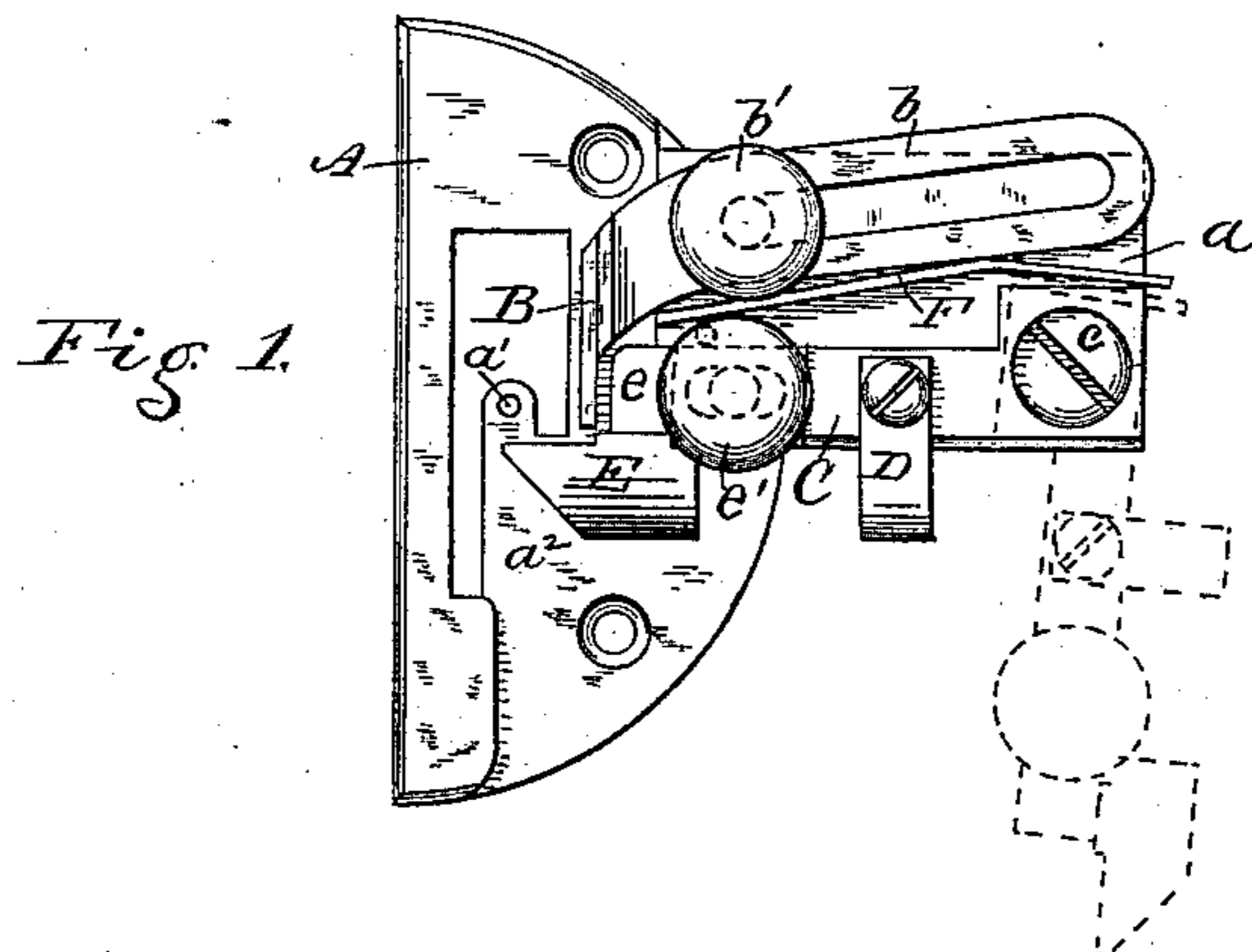
(No Model.)

C. T. JONES.

BINDING ATTACHMENT FOR SEWING MACHINES.

No. 359,572.

Patented Mar. 15, 1887.



WITNESSES:

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BINDING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 359,572, dated March 15, 1887.

Application filed March 13, 1886. Serial No. 195,129. (No model.)

To all whom it may concern:

Be it known that I, CHARLES T. JONES, a citizen of the United States, residing at Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Binding Attachments for Sewing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

The object of my invention is to provide a simple and convenient binding attachment or binding-gage for sewing-machines, the parts constituting the said attachment being connected with the throat-plate of the machine, and said throat-plate having a laterally-projecting arm, to which the gages or guides are attached.

In the drawings, Figure 1 is a plan view of my improved attachment. Figs. 2 and 3 are front and end views, respectively, of the same. Fig. 4 is a detail plan view of the throat-plate with the gages removed, and Fig. 5 is a perspective view of my device.

A denotes an ordinary "Singer" sewing-machine throat-plate provided with a laterally-projecting arm, *a*, which may be integral with said throat-plate or attached thereto in any suitable manner.

B is an edge guide or gage for the work, said guide or gage having a slotted arm, *b*, through which passes a set-screw, *b'*, by which said guide or gage is adjustably secured to the arm *a* in any desired position relative to the needle-hole *a'* of the throat-plate. The set-screw *b'* also serves as a pivot on which the said guide or gage may be turned slightly to cause the guiding-face of the gage to assume an inclined position relative to the line of movement of the work.

C denotes an arm or lever pivotally secured by a screw, *c*, to the arm *a* of the throat-plate, the said arm C carrying the binding-guides D and E, the latter being the folding guide or folder. Against the squared rear end of the arm C presses the free end of a spring, F, which is attached to the arm *a*, the said spring being thus adapted to hold the said arm C in the operative position shown in full lines in Fig. 1, or to hold the said arm out of working position, as indicated by dotted lines in the said figure, so that the said arm and the guides car-

ried thereby will be out of the operator's way when the said guides are not in use.

The folding-guide E is provided with a small arm, *e*, by which it is attached to the arm C by the set-screw *e'*, which passes through a slot (indicated by dotted lines in Fig. 1) in the said arm *e*, this construction permitting the said guide E to be adjusted on the arm C to bring the outer or folding end of the said guide into proper position relative to the needle of the machine, according to the requirements of the work being done.

The portion *a''* of the throat-plate A forward of the needle-hole is recessed or cut away to permit the folding-guide E, the bottom of which is slightly below the main portion of said plate, to be swung into or out of working position. By thus arranging the bottom of the folder below the supporting-surface of the throat-plate the lower edge of the folded binding is brought into better position relative to the needle than would otherwise be possible.

When my device is in use, the binding is passed through the curved slots of the guides D and E, and as the binding emerges from the slot *e''* of the guide E it is folded inward at a right angle in a well-known manner and passes through the concave recess *e'''*, where it is folded over the edge of the article to be bound, and is, with the said article, presented to the needle of the machine to be stitched in the usual manner.

The edge of the work is guided by the edge-guide B, after the binding is folded over the edge of the article being bound.

In finishing off the work, as in binding caps and other articles, it is frequently desirable to have the folding-guide out of the operator's way, and with my construction, as herein shown and described, it is obvious that the arm C, with its guides, may be readily swung aside, and will then be held out of working position by the spring F, which bears against the squared rear end of the arm C.

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

1. The combination, with a throat-plate having a laterally-projecting arm, of a pivoted arm or lever attached to said throat-plate arm and a binding guide or folder carried by said pivoted arm, substantially as set forth.

2. The combination, with a throat-plate, of an adjustable edge-guide and a pivoted arm carrying a binding guide or folder, substantially as set forth.

5 3. The combination, with a throat-plate having a recess in its upper surface forward of the needle-hole, of a binding guide or folder having its bottom below the main supporting-surface of the throat-plate and a pivoted arm by
10 which said guide or folder is carried, substantially as set forth.

4. The combination, with the throat-plate and the pivoted arm, of the binding guide or folder adjustably secured to the latter, substantially
15 as set forth.

5. The combination, with the throat-plate, of the pivoted arm or lever having a squared rear end, the binding guide or folder carried by said arm or lever, and the spring for holding
20 said arm or lever in or out of working position, substantially as set forth.

6. The combination, with the throat-plate A, having the laterally-projecting arm *a*, of the arm or lever C, pivotally attached to said arm *a*, and having a squared rear end, the spring
25 F, bearing against said squared end, and the binding-guides D and E, carried by said arm C, substantially as set forth.

7. The combination, with the throat-plate A, having arm *a*, of the adjustable edge-guide
30 B, the pivoted arm C, the guides D and E, carried by said arm, and the spring F, for holding the latter in or out of working position, substantially as set forth.

In testimony whereof I affix my signature in
35 presence of two witnesses.

CHARLES T. JONES.

Witnesses:

B. A. CLARK,

JAMES G. HUNT.