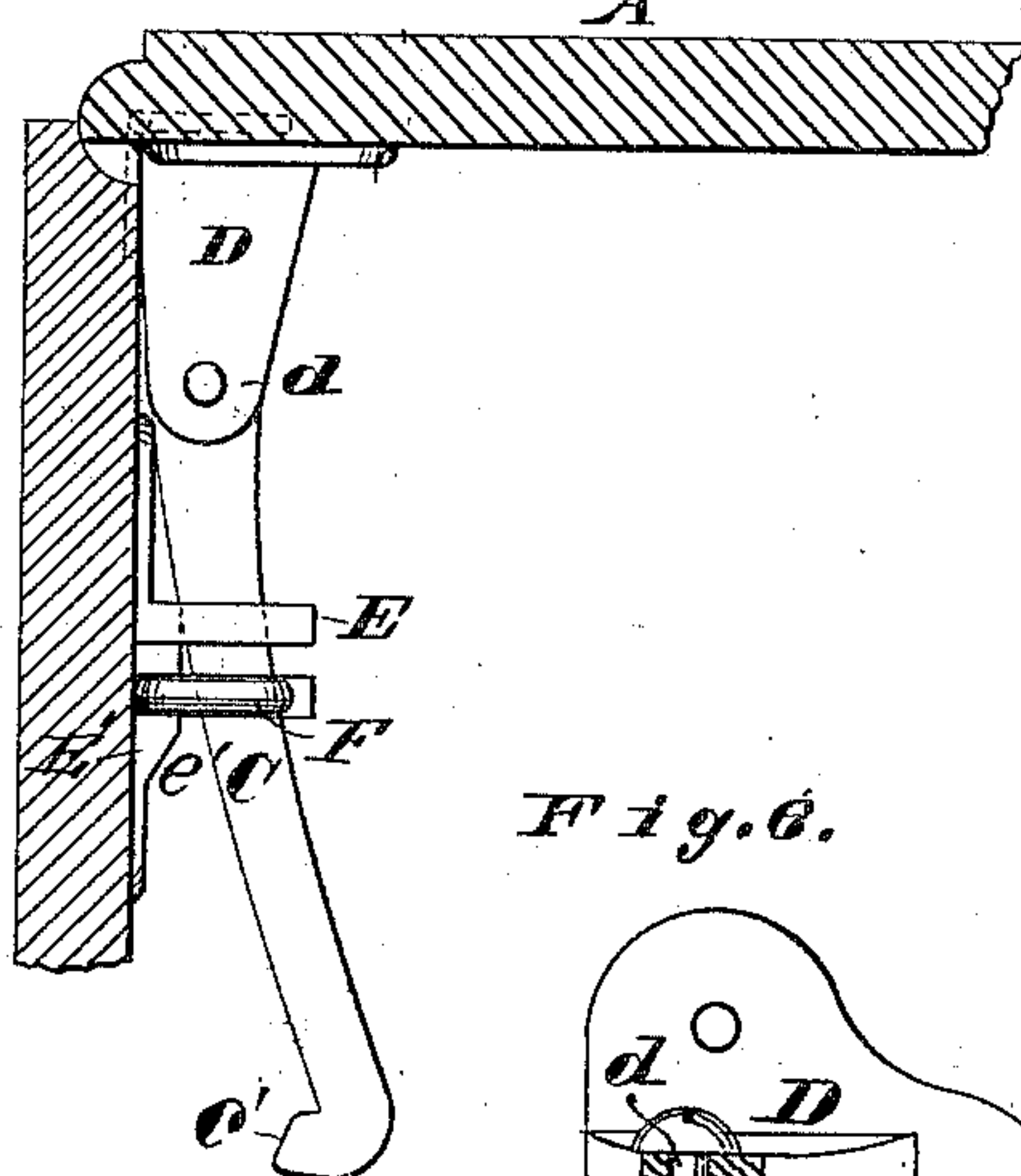
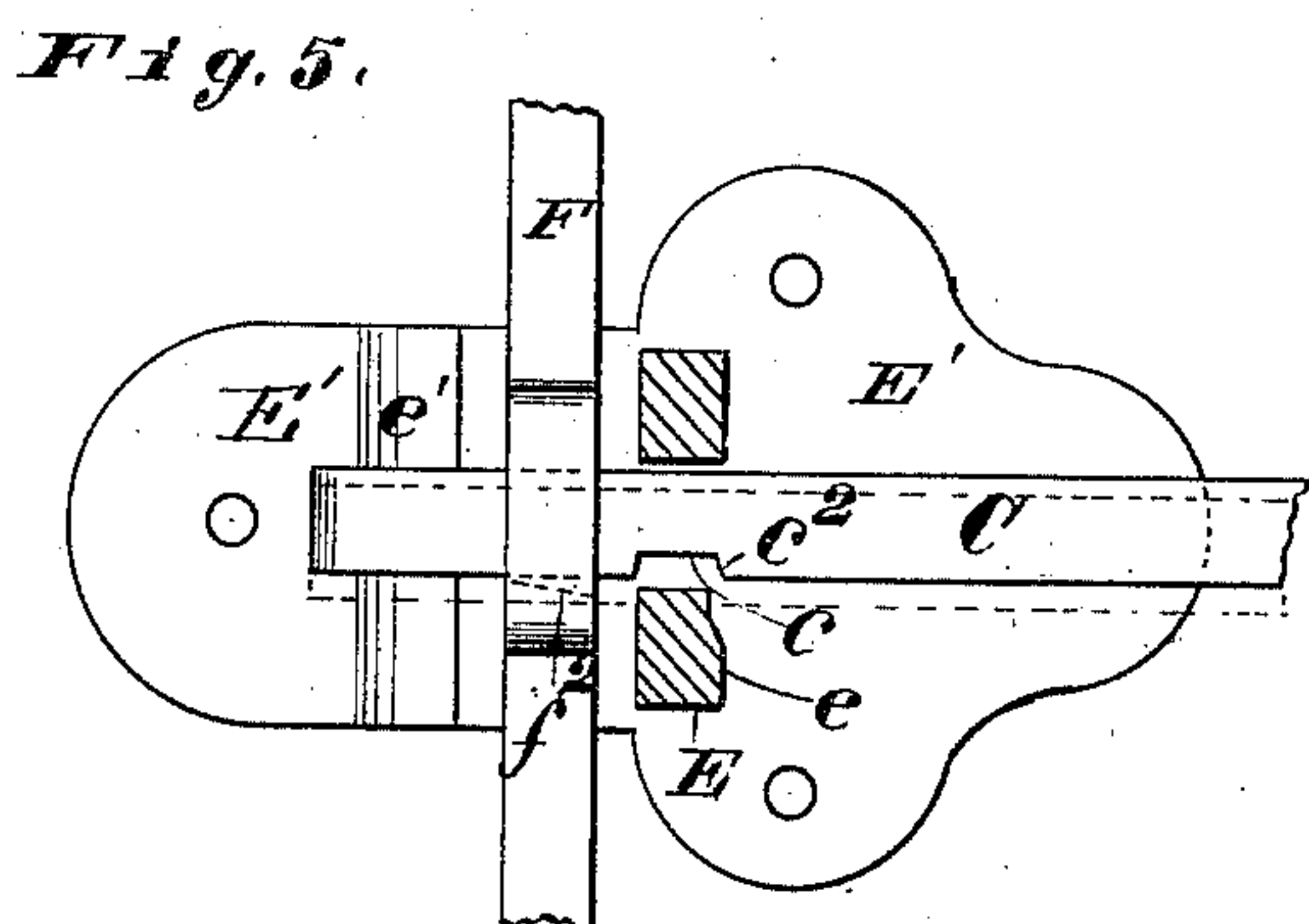
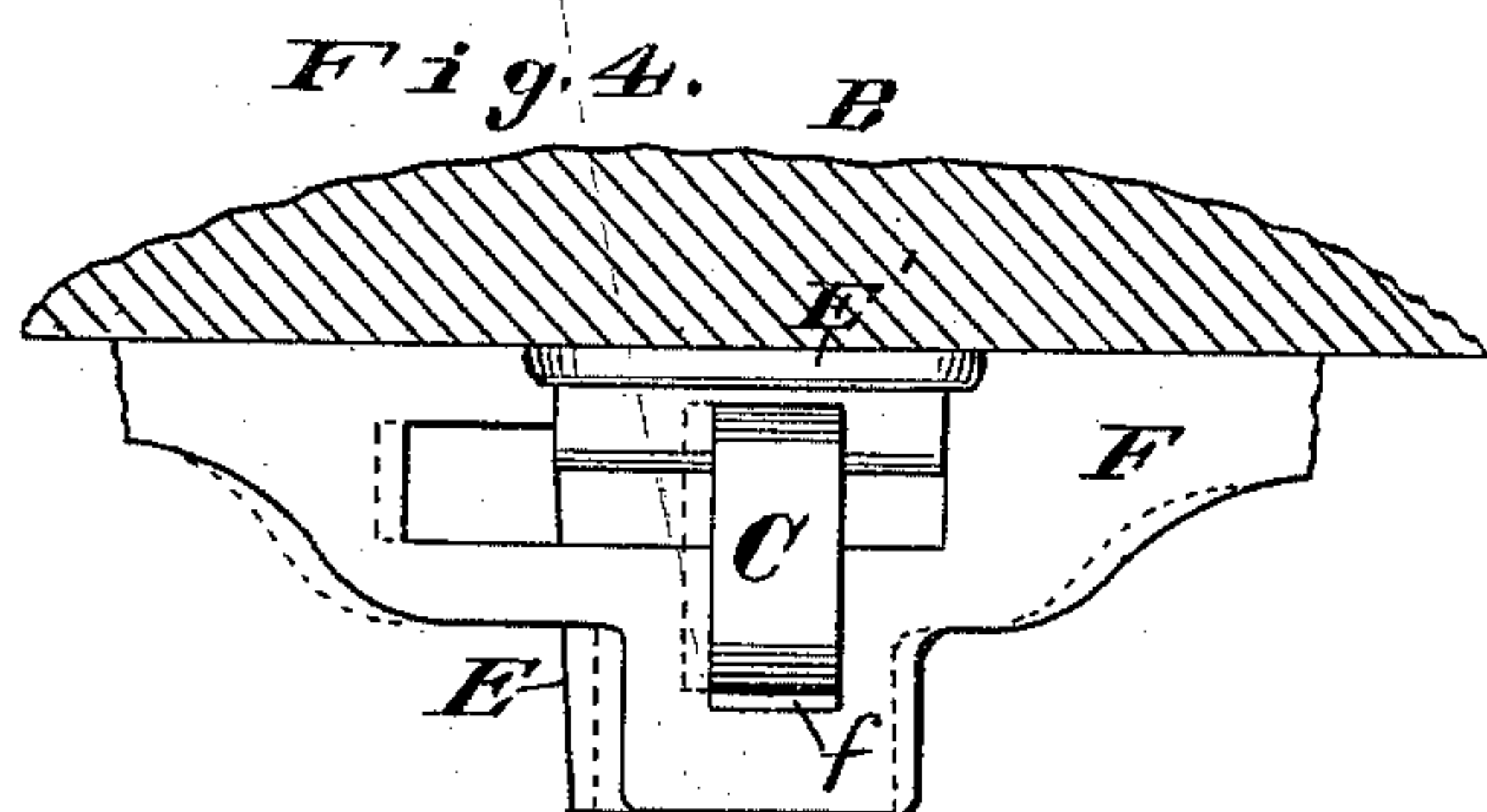
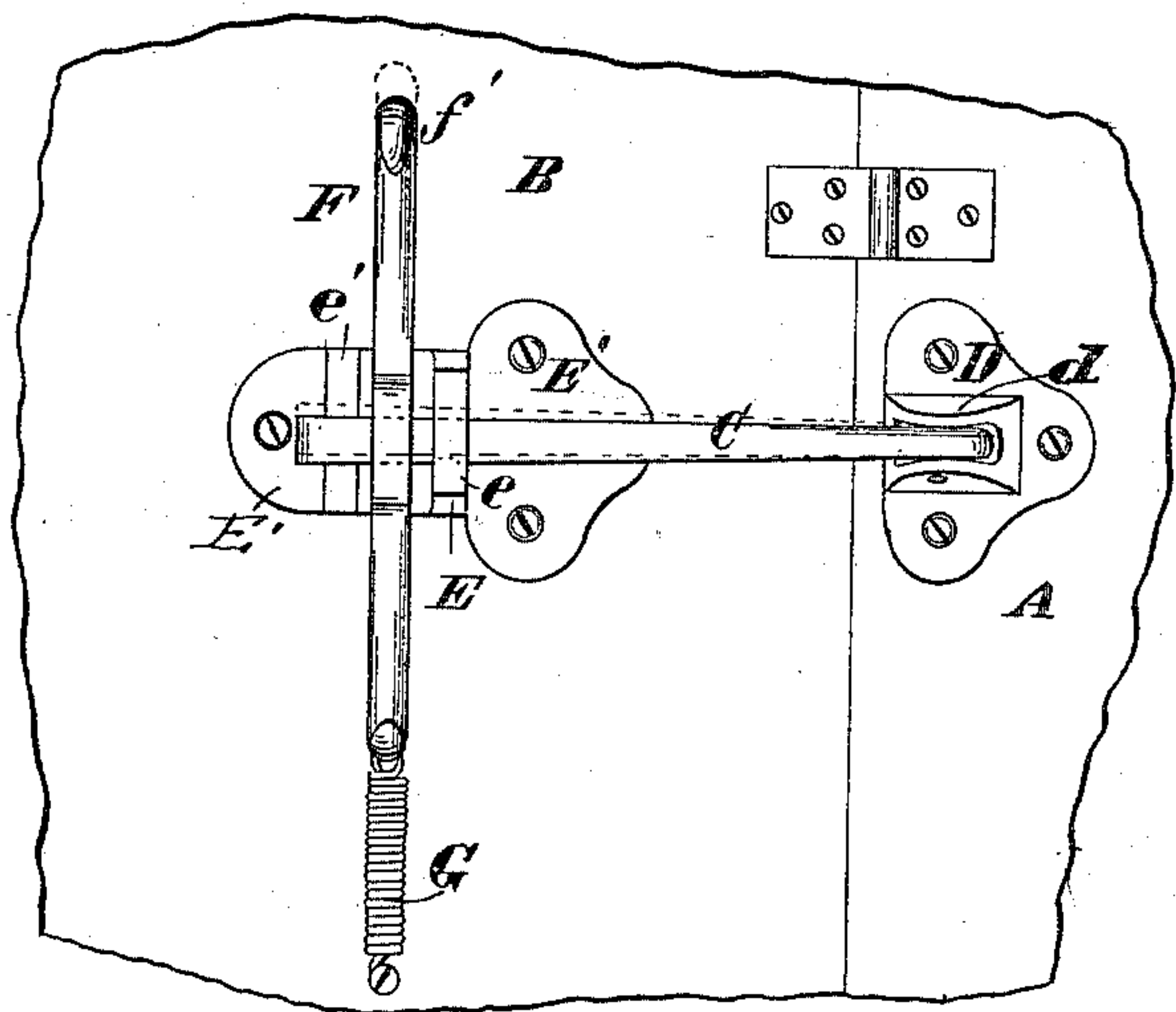
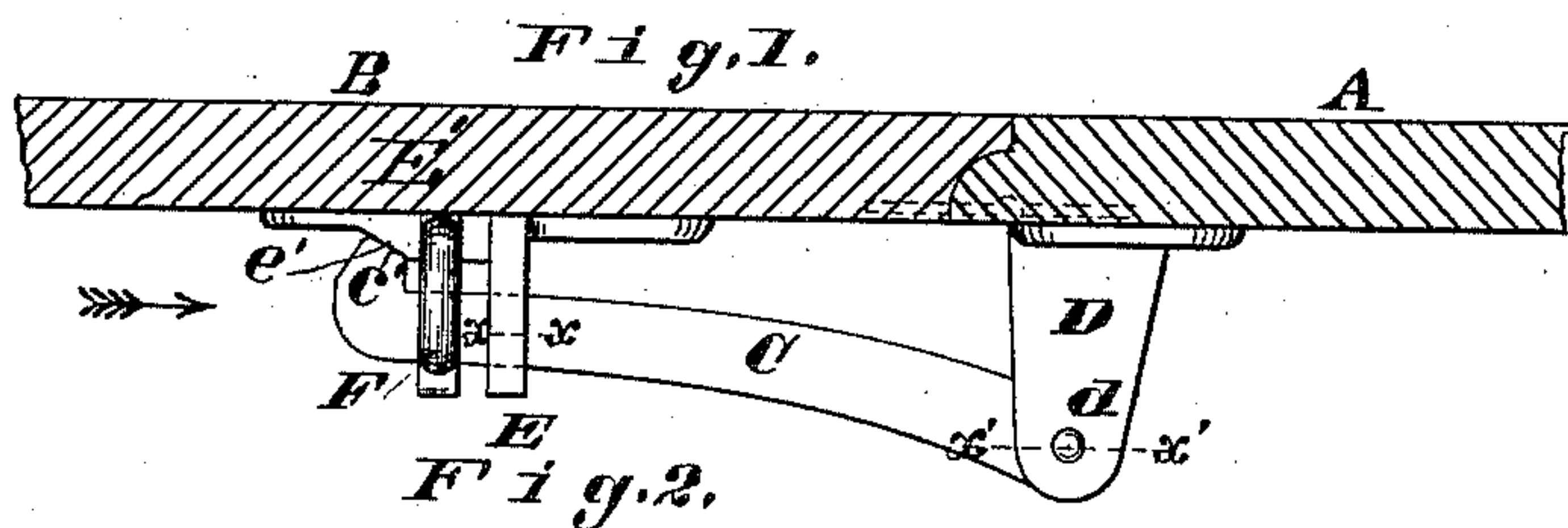


(No Model.)

F. T. JACKSON.
Table Leaf Support.

No. 232,973.

Patented Oct. 5, 1880.



Attest:

Charles Pickles,
Notary U. S. Supt.

Inventor:

Francis T. Jackson,
by C. W. Moody,
att'y.

UNITED STATES PATENT OFFICE.

FRANCIS T. JACKSON, OF ST. LOUIS, MISSOURI, ASSIGNOR TO JOHN L. STANAGE, OF SAME PLACE.

TABLE-LEAF SUPPORT.

SPECIFICATION forming part of Letters Patent No. 232,973, dated October 5, 1880.

Application filed July 22, 1880. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS T. JACKSON, of St. Louis, Missouri, have made a new and useful Improvement in Table-Leaf Supports, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a view showing a portion of a table and leaf in section and the support in side elevation; Fig. 2, a bottom view of the same; Fig. 3, a view similar to that of Fig. 1, but showing the leaf turned down; Fig. 4, an end elevation, looking in the direction of the arrow, of Fig. 1; Fig. 5, a view, looking upward, of that portion of the device immediately connected with the leaf, the sectional part being taken on the line xx of Fig. 1; and Fig. 6, a sectional view, looking upward, taken on the line $x'x'$ of Fig. 1.

The same letters denote the same parts.

The present invention, while useful in other constructions, is particularly adapted to sewing-machine tables. It relates especially to the particular mode of constructing, pivoting, and locking the catch bolt or arm, substantially as hereinafter set forth.

Referring to the drawings, A represents the table-top, and B the leaf to be supported.

C represents the catch bolt or arm used in upholding the leaf. The arm, at its inner end, is jointed to a bracket, D, that depends from the top A, and at its outer end, when the leaf is raised, it engages with a catch, E, and also presses upward against the catch-plate E'. The arm C is made to have two movements—to swing vertically and also laterally upon the pivot d of the bracket D—and to this end the arm at the pivot d is rounded, as shown in Fig. 6. This enables the arm not only to be turned up and down, as shown in Figs. 1, 3, but also to be moved sidewise, as indicated by the dotted lines in Fig. 2.

The arm, near its outer end and in its side, has a notch, c , which, when the leaf is raised, as in Figs. 1, 2, comes opposite the catch E, enabling the arm to engage with the side

bar, e , of the catch, as indicated by the dotted lines in Fig. 5. At the same time the beveled projection c' , at the end of the arm, is wedged against the inclined plane e' of the plate E', causing the leaf to be forced firmly and evenly into line with the top A, and also effecting the proper engagement of the arm and catch.

F represents the part used in effecting the engagement and disengagement of the arm with the catch. It is slotted at f , Fig. 4, to receive the outer end of the arm C, and to enable it to be held in and be drawn transversely upon the plate E', as indicated by the dotted lines in Fig. 4.

A spring, G, acts to draw the part F, and with it the arm C, sidewise, and to act as a keeper in keeping the arm in engagement with the catch, as above described, and when it is desired to let the leaf down the keeper, by means of the hooked end f' , is drawn in the opposite direction. This causes the arm to be drawn sidewise, as indicated by the dotted lines in Fig. 2, and to become disengaged from the catch, whereupon the leaf falls down, as in Fig. 3.

To prevent the shoulder c^2 of the arm C, as the leaf falls, from striking the side of the keeper F, the slot f in the latter is beveled at f^2 , as indicated by the dotted lines in Fig. 5.

The notch c , in width, is made sufficiently narrow to prevent the keeper from engaging therein and preventing the proper action of the parts.

I claim—

1. The combination, in a table-leaf support, of the top A, leaf B, arm C, bracket D, and catch E, said arm having in its side the notch c , and turning vertically and also laterally upon the pivot d , substantially as described.

2. The combination, in a table-leaf support, of the top A, leaf B, arm C, bracket D, catch E, plate E', having the inclined surface e' , said arm being notched at c , and turning vertically and laterally upon the pivot d , and having the beveled projection c' , substantially as described.

3. The combination of the top A, leaf B, bracket D, arm C, turning vertically and laterally on said bracket, and notched at *c*, catch E, keeper F, and spring G, substantially as described.
- 5 4. The combination of the top A, leaf B, bracket D, arm C, turning vertically and laterally on said bracket, and notched at *c*, catch E, keeper F, having the slot *f* beveled at *f*², and spring G, substantially as described.

FRANCIS T. JACKSON.

Witnesses:

C. D. MOODY,

CHARLES PICKLES.