

(No Model.)

J. H. MOSHER & G. E. CRANE.

TABLE LEAF SUPPORT.

No. 254,778.

Patented Mar. 7, 1882.

Fig. 1

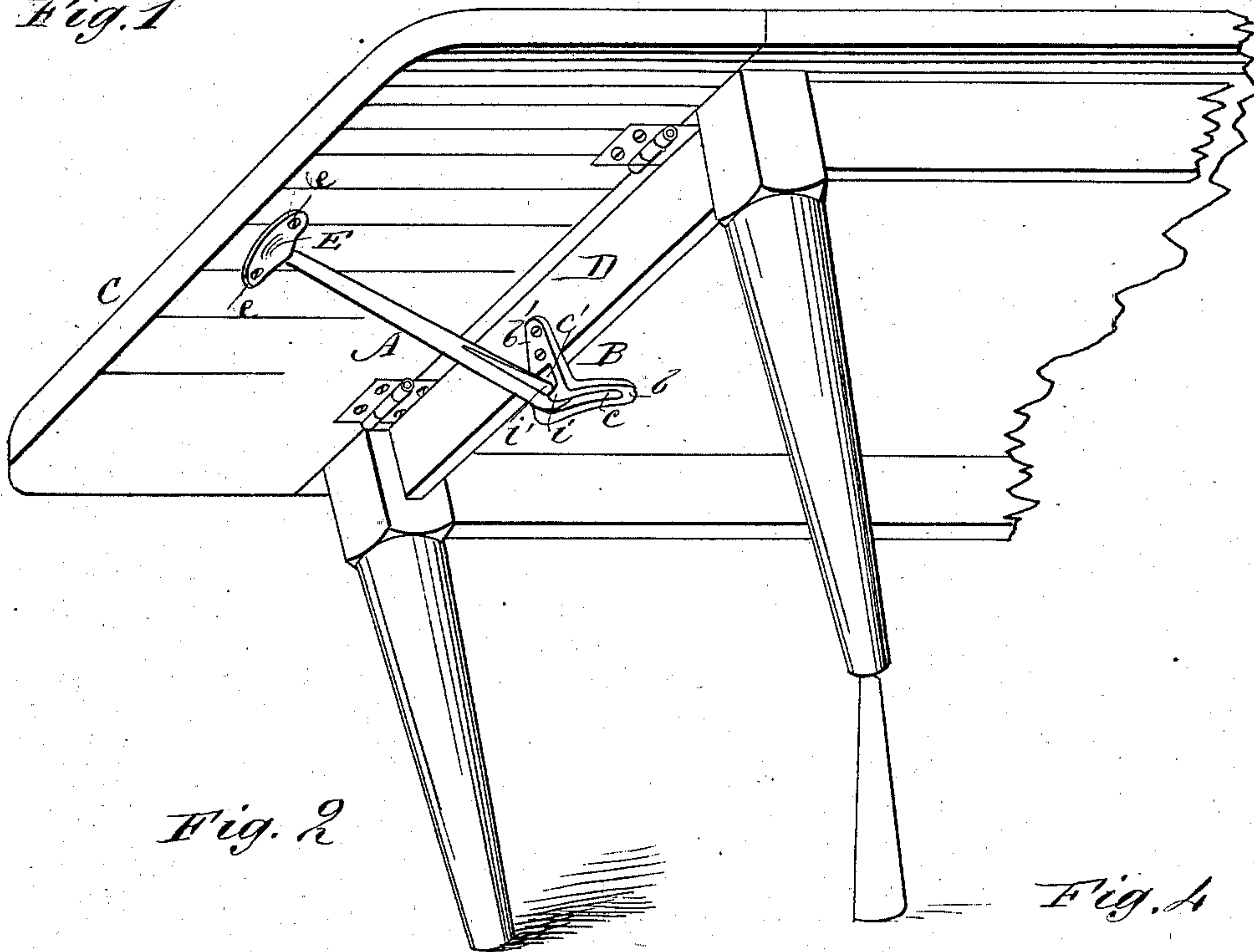


Fig. 2

Fig. 4

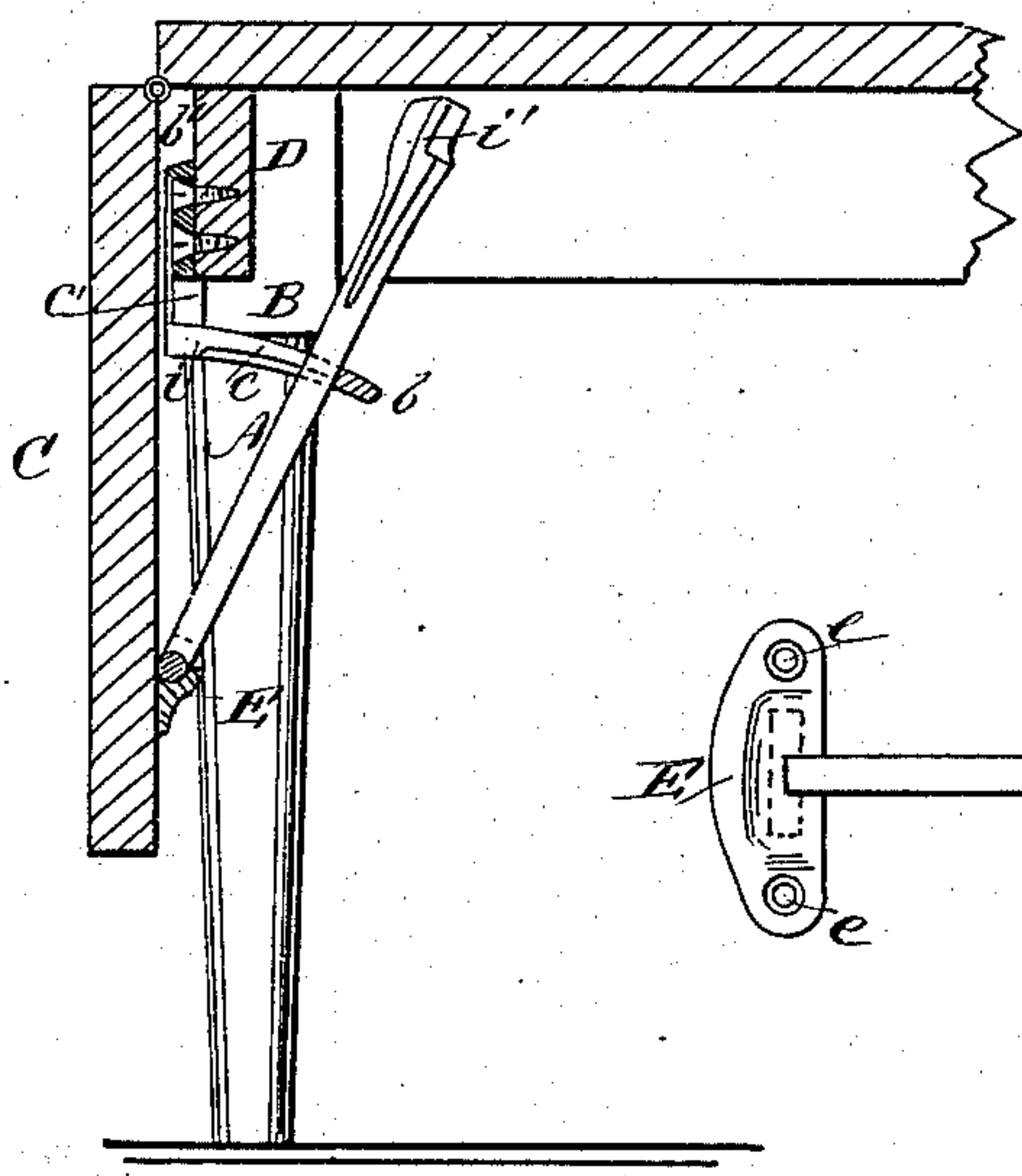
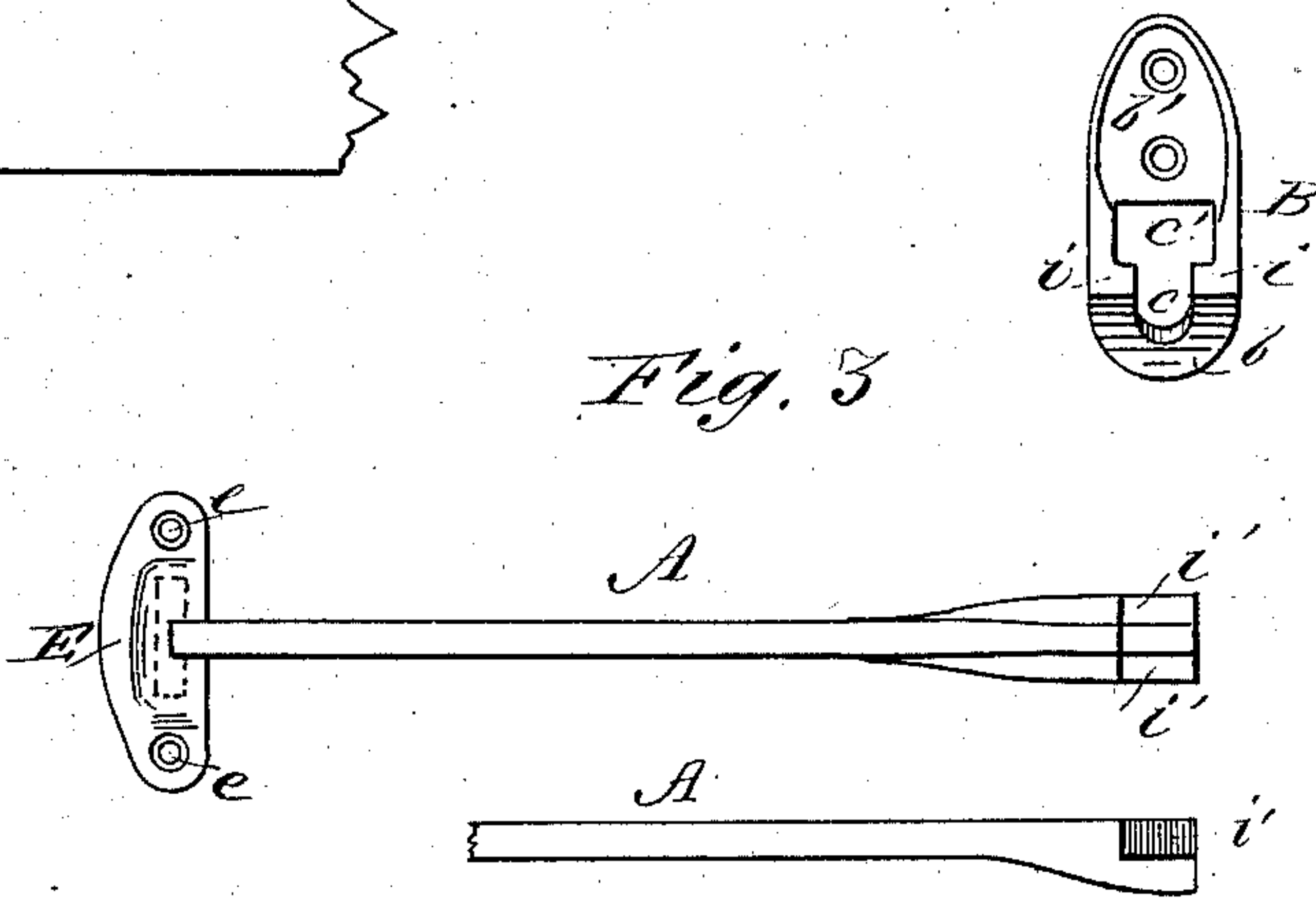


Fig. 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSIAH H. MOSHER AND GEORGE E. CRANE, OF PORTLAND, MICHIGAN, ASSIGNORS TO EMORY W. BLANCHARD AND JEPHTHA B. MOREHOUSE, OF SAME PLACE.

TABLE-LEAF SUPPORT.

SPECIFICATION forming part of Letters Patent No. 254,778, dated March 7, 1882.

Application filed September 24, 1881. (No model.)

To all whom it may concern:

Be it known that we, JOSIAH H. MOSHER and GEORGE E. CRANE, of Portland, in the county of Ionia and State of Michigan, have invented a new and Improved Table-Leaf Support, of which the following is a full, clear, and exact specification.

Our invention consists of an arm or rod hinged at one end to the inside of the table-leaf, near its lower or outer edge, the opposite end of the arm or rod being enlarged and formed with detents for engagement with notches formed in an angular and slotted guide-plate secured to the cross-piece of the body of the table, through which slot the said arm or rod moves.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a table having our improved leaf-support attached, the leaf being shown extended. Fig. 2 is a vertical sectional elevation of the same, the leaf being shown let down and the support shown in full lines. Figs. 3 and 4 are respectively a plan view of the hinged arm or rod and the slotted guide-plate removed from the table.

In the drawings, A represents the arm or supporting-rod for the table-leaf C, and B represents the guide-plate through which the free end of the rod moves. The guide-plate B is angular in form, and the horizontal portion *b* thereof is formed with the slot *c*, and the vertical portion *b'* is formed with the opening *c'*, which communicates with slot *c*, and which is of greater width than said slot, thus forming the shoulders *i i*, on the plate at the vertex of the angle, which serve the purpose hereinafter mentioned.

The rod or arm A is hinged to the plate E, which is provided with the screw-holes *e e*, through which screws pass for securing the plate and arm or rod to the table-leaf, as shown in the drawings.

The main portion of the rod or arm A is made of a size to pass freely through the slot *c* of the guide-plate B; but the outer end of the rod is enlarged so as to almost fill the opening *c'* in said plate, and it is formed with the side stops or detents *i' i'*, which, when the leaf of the table is raised to the position shown in Fig. 1, engage with the shoulders *i i* of the guide-plate B and hold the leaf in a horizontal position.

In order to lower the leaf it is only necessary to raise the outer end of the rod or arm so that the shoulders *i i* and *i' i'* will disengage each other. When the leaf drops down the arm or rod will be held by the slot *c* of the plate B in the inclined position, as shown in Fig. 2, ready to follow down the guide-plate to automatically engage with the shoulders of the plate when the leaf shall be again raised to a horizontal position.

Having thus fully described our invention, we claim as new and desire to secure by Letters Patent—

The hinged arm A, having its outer end enlarged and formed with the shoulders or detents *i' i'*, in combination with the plate B, formed with the slot *c* and the opening *c'*, the opening *c'* being wider than the slot *c*, as and for the purposes set forth.

JOSIAH H. MOSHER.
GEORGE E. CRANE.

Witnesses:

GEO. WHITNEY,
W. H. HORTON.