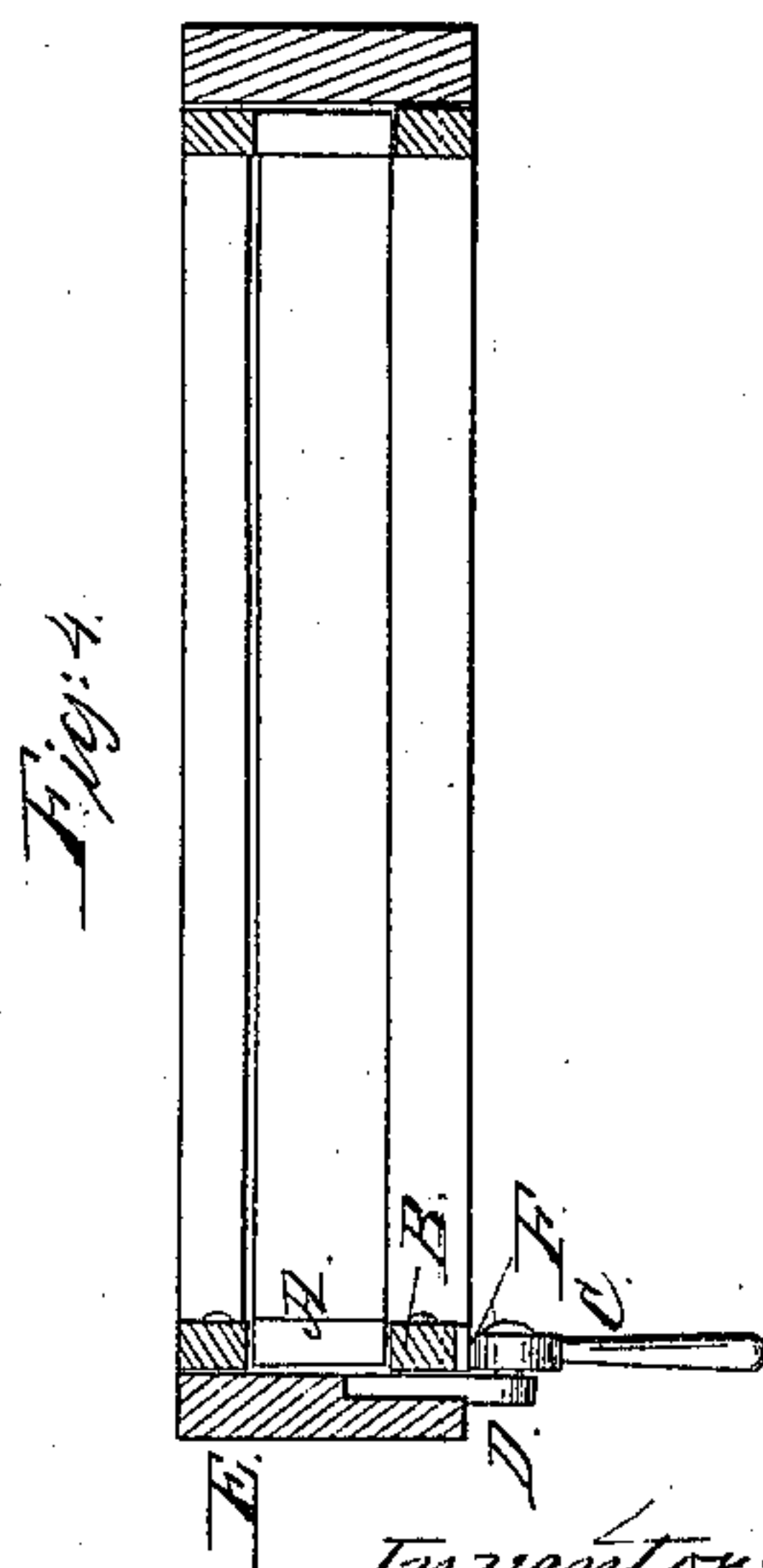
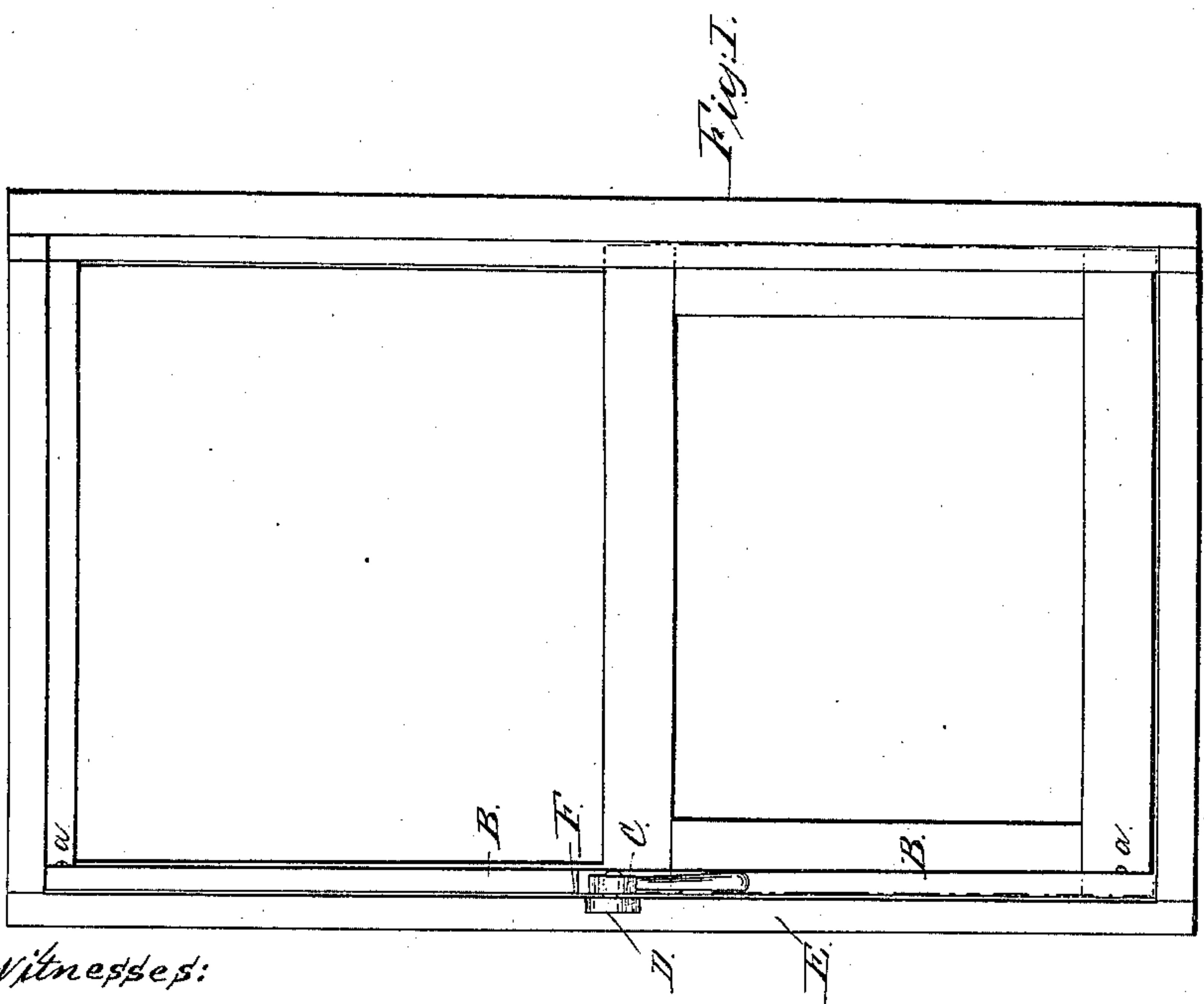
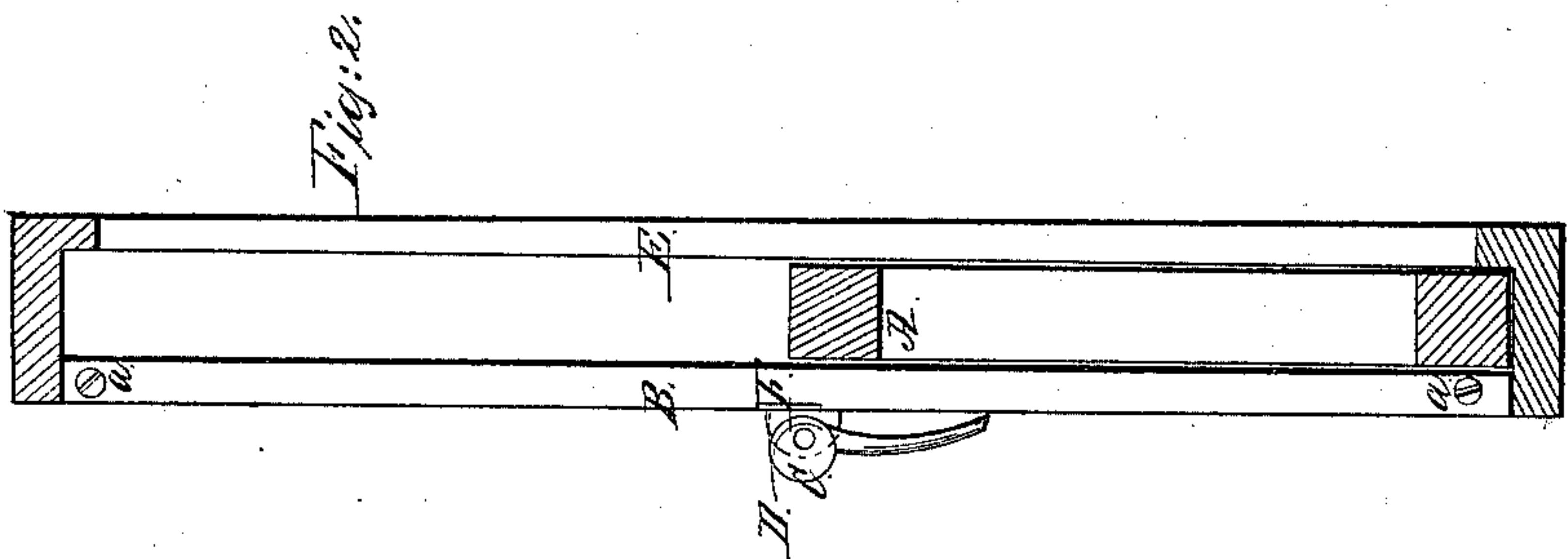
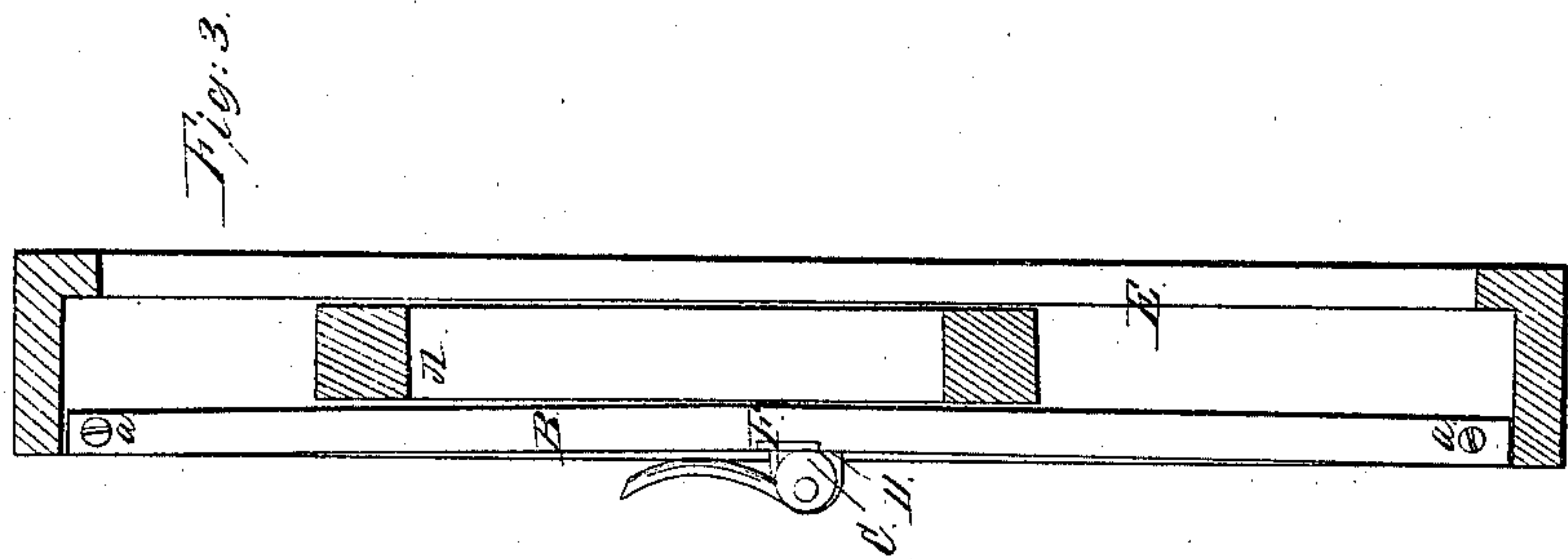


J. W. Hutchings,

Sash Holder.

N^o 63,900.

Patented Apr. 16, 1867.



Witnesses:

*Henry Ly Lester
Edw. Schaefer*

*Inventor:
John W. Hutchings
By his Atty
Mason, Henwick*

United States Patent Office.

JOHN W. HUTCHINGS, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO HIMSELF AND JOHN H. EYRE.

Letters Patent No. 63,900, dated April 16, 1867.

IMPROVED SASH-SUPPORTER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN W. HUTCHINGS, of Bridgeport, in the county of Fairfield, and State of Connecticut, have invented a new and useful improvement in Window-Sash Supporters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front view of a window-frame and one sash having my invention applied to them.

Figure 2 is a vertical section of the same, the sash being down.

Figure 3 is a similar section, the sash being partly raised.

Figure 4 is a horizontal section of the same in the line *x x* of fig. 1.

Similar letters of reference in the several figures indicate corresponding parts.

The object of my invention is twofold: first, to insure a more perfect hold upon the sash when raised; second, to avoid marring the face of the sash by the contact of the supporter with the wood and the paint.

The nature of my invention consists in applying the well-known cam or lever-eccentric sash-supporter to the window-frame in such a manner that it binds upon a plate applied to one of the retaining strips of the frame instead of directly upon the sash, and as said strip is not fastened by screw or nails to the frame except at its two extremities, it is deflected by the action of the eccentric from a straight line and made to bind along a considerable portion of its length upon the sash, and thus effectually prevent it slipping down so long as the lever-eccentric or cam is acting upon the strip.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation with reference to the drawing.

A represents the sliding-sash; B the strip used to keep the sash in its place; C is the eccentric attached to a plate, D, which is made fast to the casing or framing E, and is partly covered by the strip B, as shown. It will be seen that when the eccentric is in the position shown in fig. 3, it presses the strip tight against the face of the sash and prevents it from moving. But when the eccentric is in the position shown in figs. 1, 2, and 3, it ceases to bind on the strip and the sash is free to be moved up and down. The strip is put on so as to be capable of springing or bowing at its middle, being fastened only at its extremities, as shown at *a a*. The metal plate F is applied to the strip at the point where the eccentric bears in order to prevent injury to the wood and paint of the sash. Now, I have seen cams and eccentric-levers for sash-supporters, but I believe they have never been used in the manner I have described and shown, such cams usually pressing or bearing directly on the face of the sash, whereas my cam or eccentric-lever enables me to use the strip itself to hold the sash, which strip presents a long binding surface to the sash, and thereby insures a perfect hold upon the sash when the sash is elevated. The strip will also prevent the sash rattling when the sash is down, if the eccentric is pressed against it.

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

The combination of the strip B and eccentric or cam-lever C as a sash-supporter, substantially as and for the purpose described.

JOHN W. HUTCHINGS.

Witnesses:

JOSHUA LORD,

J. F. HANFORD.