

(Model.)

J. HARLEY.
Sash Fastener.

No. 232,710.

Patented Sept. 28, 1880.

Fig: 1.

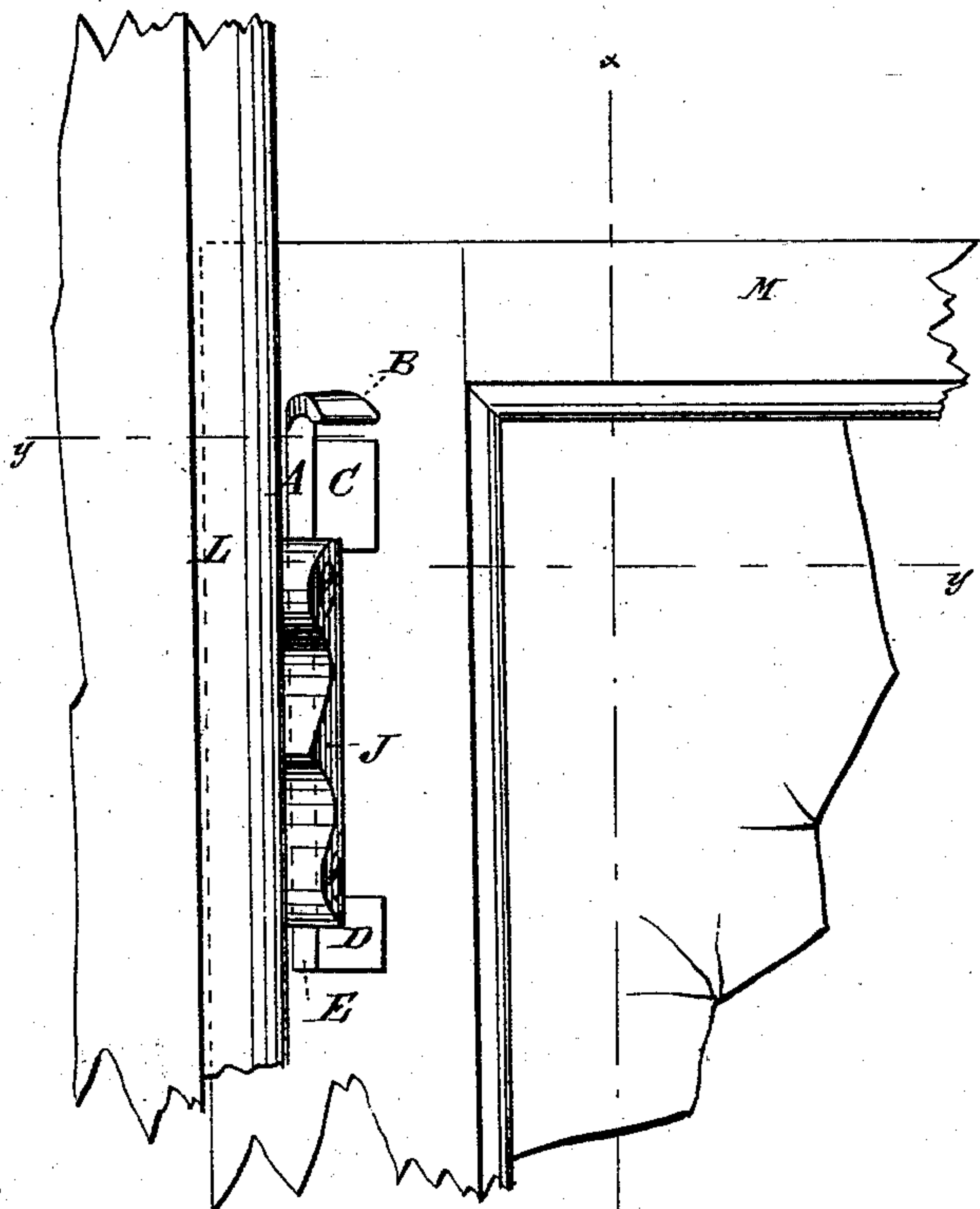


Fig: 2.

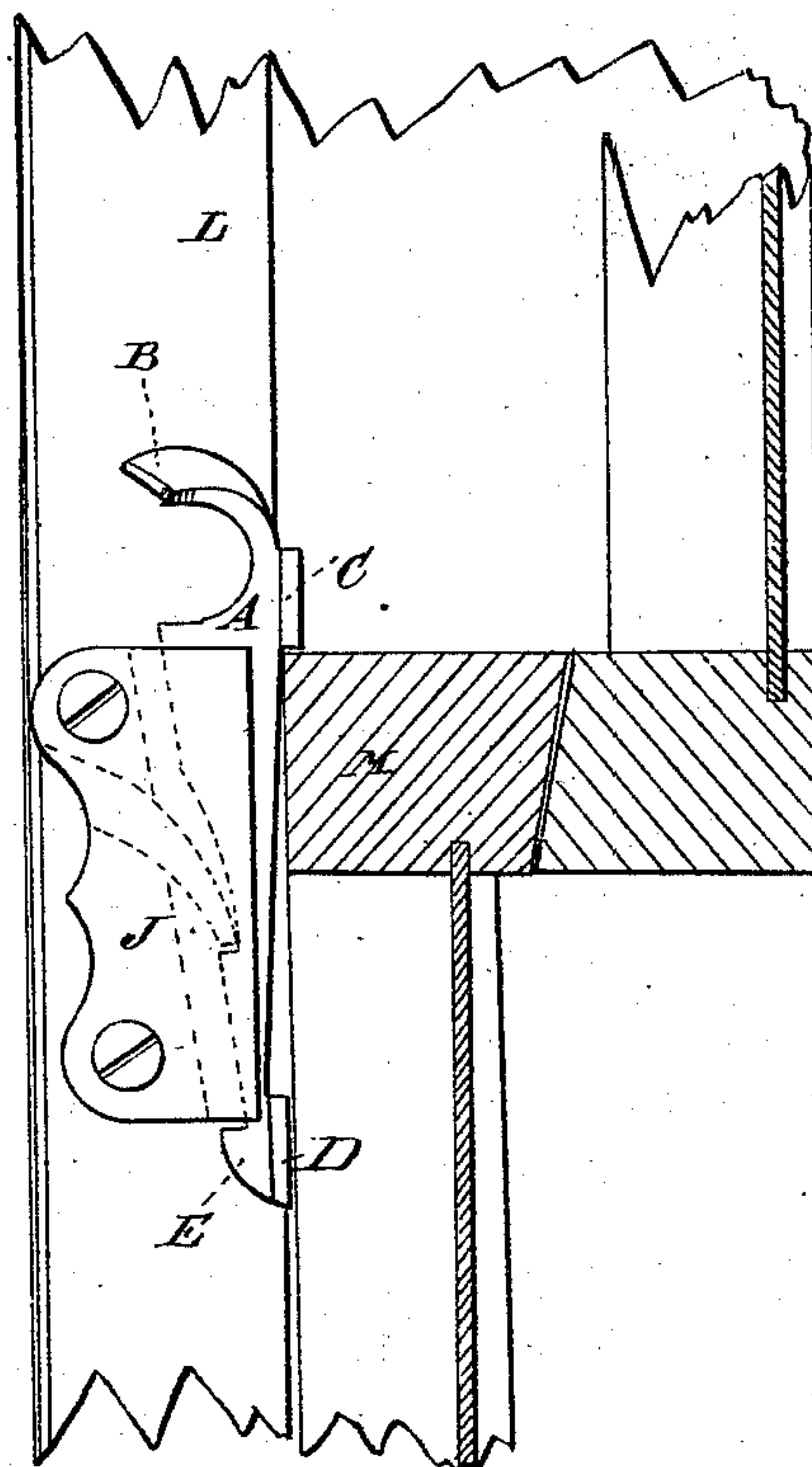


Fig: 3.

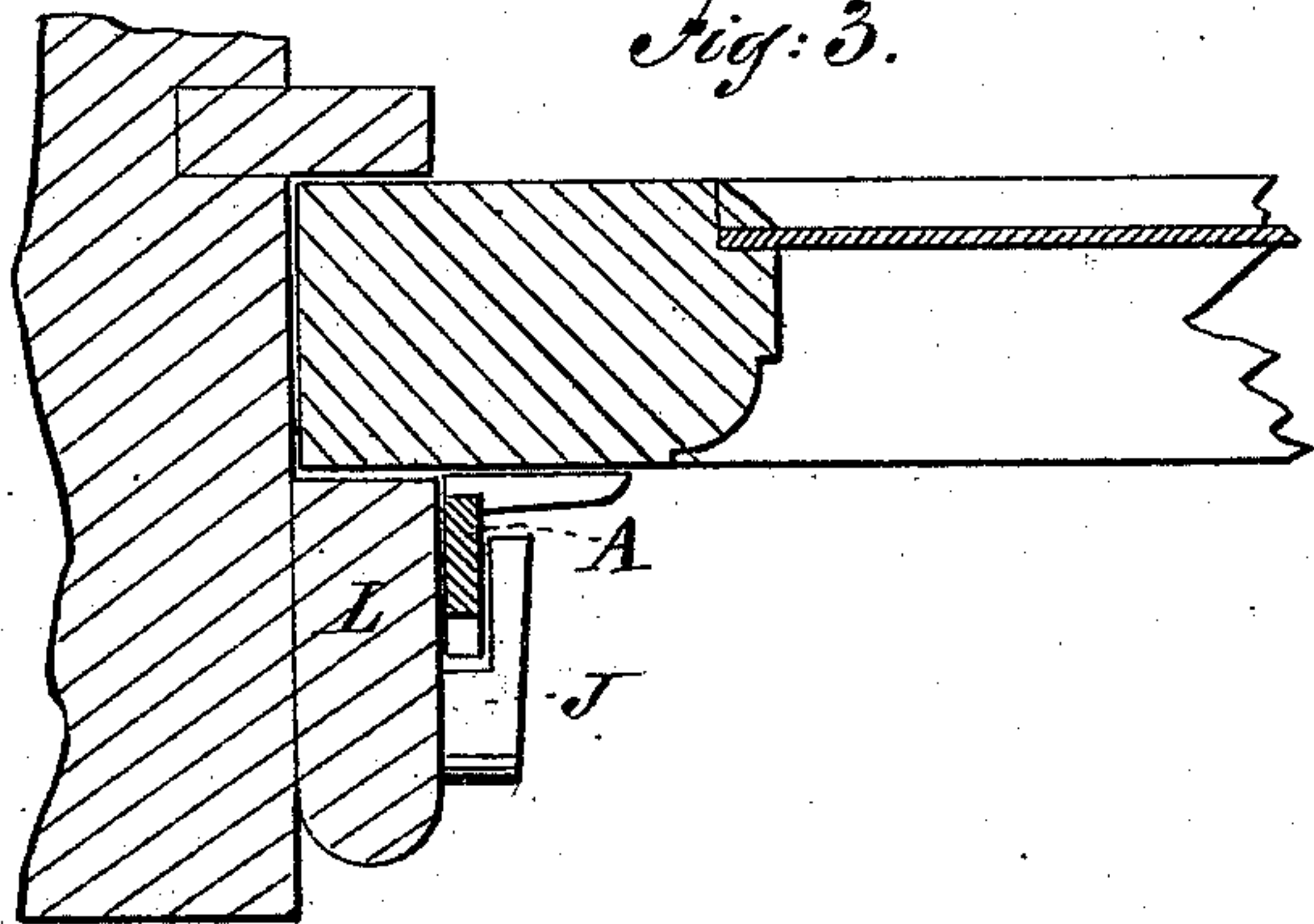
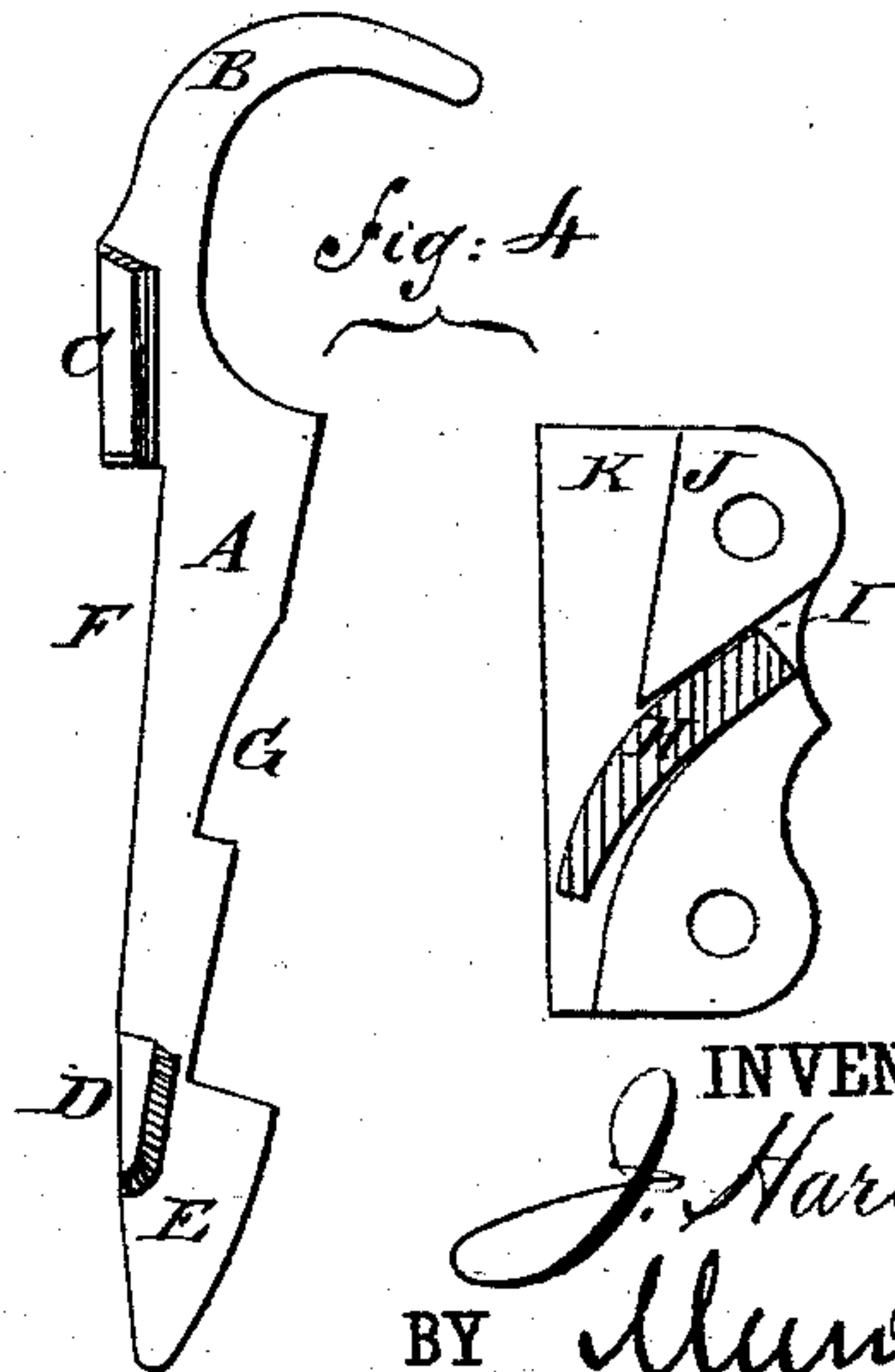


Fig: 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN HARLEY, OF WALLACEBURG, ONTARIO, CANADA, ASSIGNOR TO HIMSELF AND JOHN B. NEWMAN, OF SAME PLACE.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 232,710, dated September 28, 1880.

Application filed July 22, 1880. (Model.) Patented in Canada June 19, 1880.

To all whom it may concern:

Be it known that I, JOHN HARLEY, of Wallaceburg, in the Province of Ontario and Dominion of Canada, have invented a new and Improved Sash Holder and Fastener, of which the following is a specification.

The object of my invention is to provide a new and improved sash holder and fastener, which is simple in construction and effective in use.

In the accompanying drawings, Figure 1 is a front elevation of a corner of a sash provided with my improved sash holder and fastener Fig. 2 is a cross-sectional elevation of the said sash on the line *xx*, Fig. 1. Fig. 3 is a horizontal sectional view of the sash on the line *yy*, Fig. 1. Fig. 4 represents inside elevations of the wedge-shaped slide and casing.

Similar letters of reference indicate corresponding parts.

A wedge-shaped slide, A, is provided with a handle, B, and with a laterally-projecting flange, C, at the upper end, and a like flange, D, at the lower end, the lower end being also provided with a hook or lug, E, for a purpose described hereinafter.

The straight edge of the slide A is provided with a recess, F, which tapers from the lower flange, D, toward the upper flange, C.

The beveled side of the slide A is provided with a curved notch, G, to receive the end of a rubber spring, H, which is held in a curved groove, I, in a casing, J, provided with a wedge-shaped recess, K, to receive the slide A.

The casing J is attached to the window-frame L in such a manner that the lower edge of the flange C of the slide A which has been passed into the casing is about on a level with the upper edge of the upper transverse rail, M, of the lower sash.

The flanges C and D may project toward the center of the sash, as shown, or they may project toward the edge of the same; but in the latter case the groove in which the sash slides will have to be enlarged to permit the flanges to enter between the end rail of the sash and the strip of the casing L.

The device operates as follows: By raising the sash the slide A is drawn out of the wedge-shaped recess K in the casing J, and does not interfere with the opening of the window; but as soon as the sash is released the friction between the end rail of the sash and the surfaces of the flanges C and D, pressed against said rail by the spring H, is sufficient to press the wedge-shaped slide A into the recess K; but as the slide A descends the pressure upon the sash increases proportionally, and the sash is thus held.

If the sash is to be lowered, the slide A is raised by means of the handle B, thereby releasing the sash from the pressure of the said slide; but as soon as the slide is released the sash is locked in the position it had at that moment.

If the sash is lowered and is to be locked, the slide A is raised until the lower edge of the flange C is above the upper edge of the upper sash-rail, M, upon which the spring H presses the said flange over the said rail, as shown in Fig. 2, thereby locking the sash.

The lug or hook E prevents the slide A from being raised higher than is necessary, and from being drawn out of the casing entirely.

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

1. In a sash holder and fastener, the wedge-shaped slide A, constructed, substantially as herein shown and described, with a handle, B, hook E, a tapering recess, F, on the straight edge, and with lateral flanges C and D at the top and bottom, respectively, as set forth.

2. In a sash holder and fastener, the casing J, constructed, substantially as herein shown and described, with a wedge-shaped recess, K, and a curved groove, I, for holding a spring, H, as set forth.

JOHN HARLEY.

Witnesses:

D. B. McDONALD,
WM. NORRIS LITTLE.