

(No Model.)

M. TUCHFELD.
WINDOW FRAME AND SASH.

No. 390,919.

Patented Oct. 9, 1888.

Fig. 1.

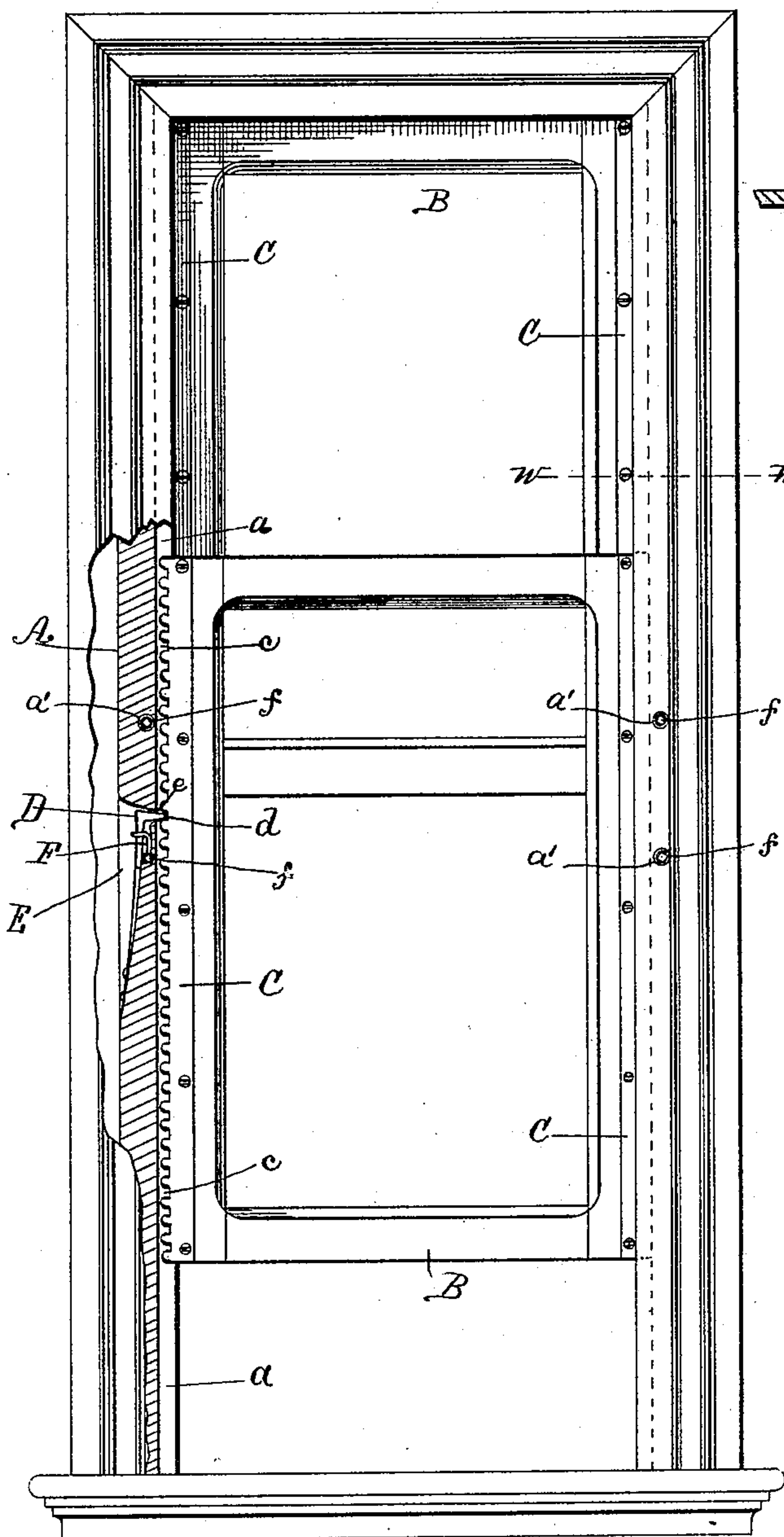


Fig. 2.

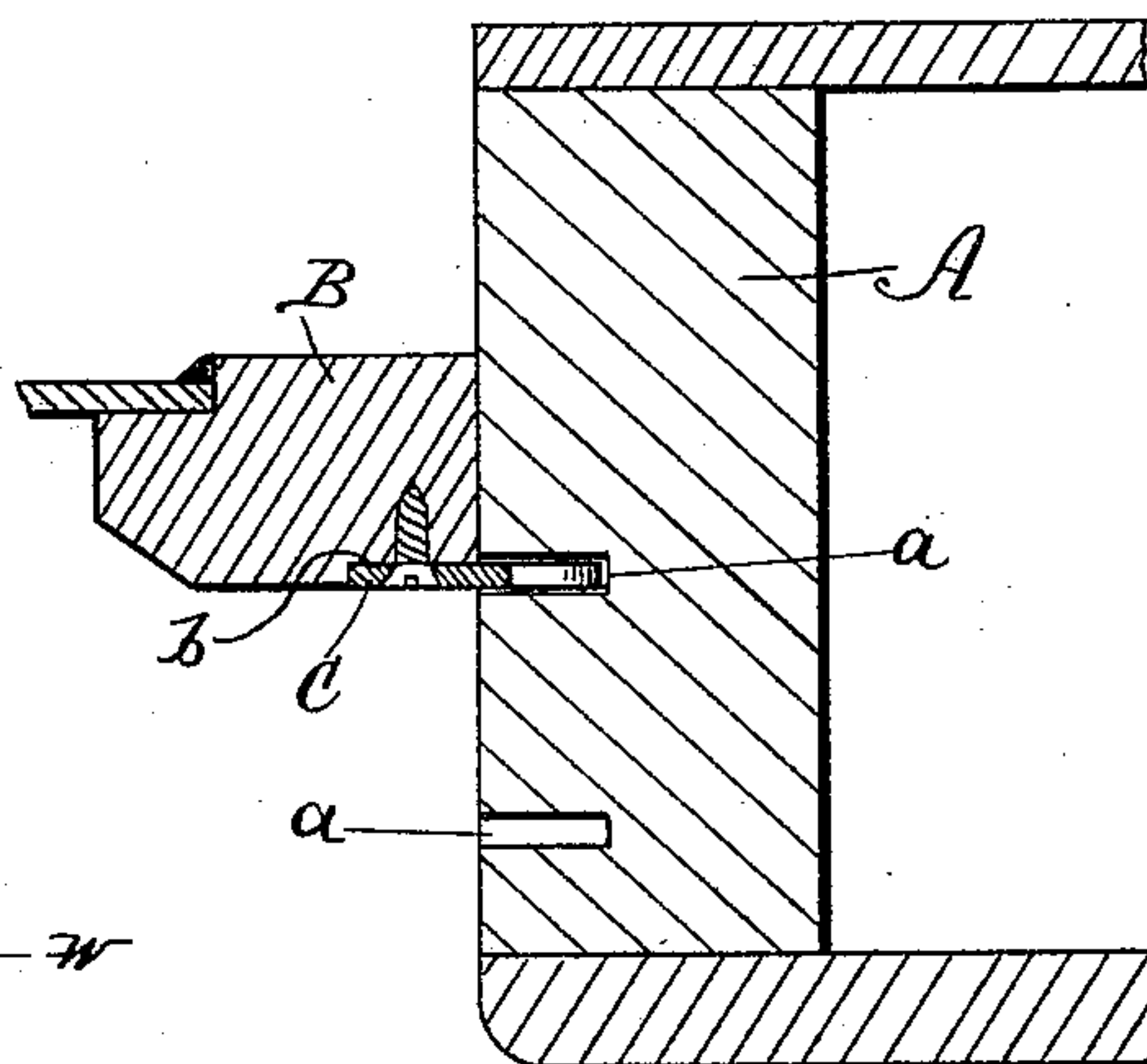


Fig. 3.

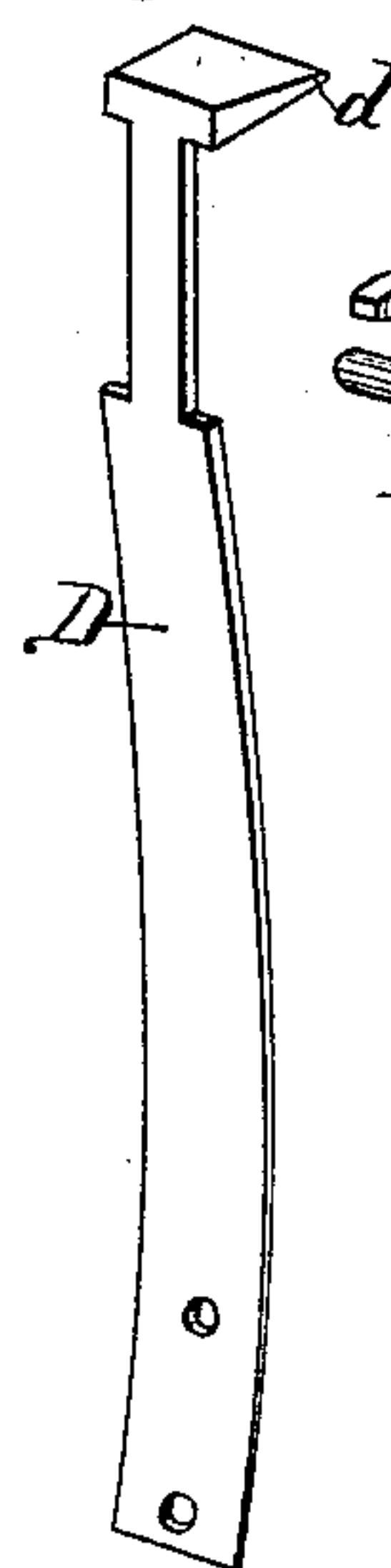


Fig. 4.

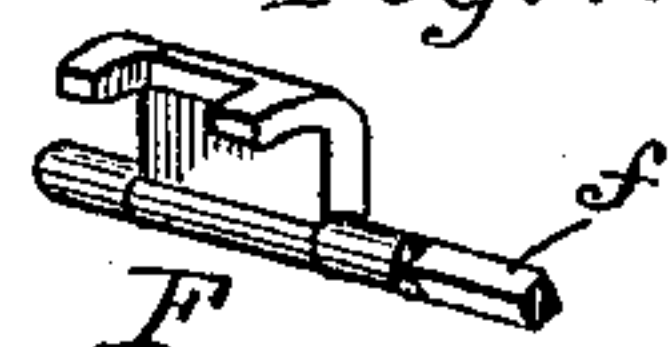
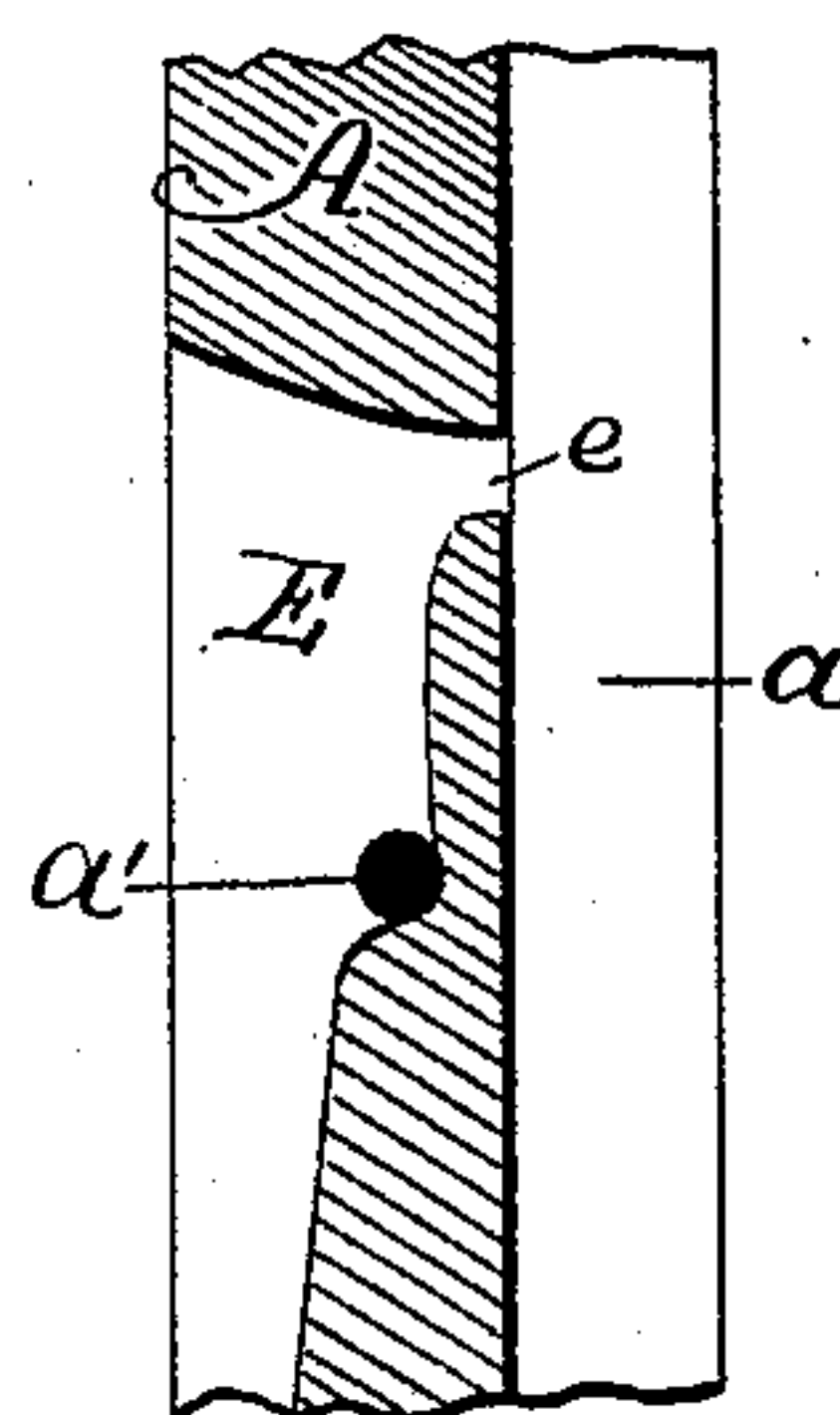


Fig. 5.



Witnesses.

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UNITED STATES PATENT OFFICE.

MOSES TUCHFELD, OF JACKSON, TENNESSEE.

WINDOW FRAME AND SASH.

SPECIFICATION forming part of Letters Patent No. 390,919, dated October 9, 1888.

Application filed June 5, 1888. Serial No. 276,083. (No model.)

To all whom it may concern:

Be it known that I, MOSES TUCHFELD, a citizen of the United States, residing at Jackson, in the county of Madison and State of Tennessee, have invented certain new and useful Improvements in Window Frames and Sashes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to the means of fastening sashes in window-frames; and its several objects are to exclude moisture and dust and to lock the sashes in position whenever the window is opened or closed.

In the accompanying drawings, wherein like letters represent like parts, Figure 1 is a front elevation, partly in section, of a window, showing my invention; Fig. 2, an enlarged view in section on the line *ww* of Fig. 1; Fig. 3, a perspective showing form of the spring-catch; Fig. 4, a perspective showing form of the latch, and Fig. 5 an enlarged view of certain details of Fig. 1.

A is the window-frame having channels *a a* formed in the inner vertical faces thereof.

B B are the sashes, having seats *b* formed in the front faces thereof, wherein flush with said faces are strips C C, having notches *c c* in their outer edges, said strips working in the channels *a* of the window-frame.

D D are spring-catches of the particular form shown in Fig. 3, fastened in chambers E, formed in the outer vertical faces of the window-frame, the toe *d* of each catch passing through a slot, *e*, cut in the top of the chamber E, so that said toe may engage the notches *c* as the strip wherein they are formed moves up and down the channel *a* of the window-frame. A latch, F, of the particular form shown, or any equivalent form, is held in a socket, *a'*, formed in and

extending back from the front face of the window-frame, so as to cross each chamber E and engage with each catch D. The shank or pivot *f* of each latch comes nearly but not quite flush with the front face of the window-frame, and its head is given an angular outline transversely, so that it may be fitted and turned by a removable key or other suitable implement.

In Fig. 1, on the right-hand side, are shown two of the sockets, *a'*, the upper socket pertaining to the top sash and the lower socket to the bottom sash, and the upper socket is duplicated on the left-hand side of said Fig. 1 to indicate that the latch F may be applied to both sides of each sash, if desired, or to the right side of one sash and the left side of the other, if so desired, though it is sufficient to supply each sash with one latch and socket on whichever side is the more convenient. The strips C, working in the channels *a*, are intended to do away with the wooden strips or beadings which ordinarily hold the sashes in place in a window-frame, and the catches D, when operated by the latches F and in conjunction with the notches *c*, serve as sash-fasteners, to prevent improper opening of the window from without, besides supporting the lower sash when raised and supporting the upper sash when closed or partly lowered.

Having thus sufficiently described my invention, I claim as follows:

The combination of a window-frame, A, having channels *a* and sockets *a'*, sashes B, having seats *b*, strips C, having notches *c*, catches D, having toes *d*, chambers E, having slots *e*, and latches F, having shanks *f*, the whole constructed and arranged as hereinbefore shown and described, and for the purposes hereinbefore set forth.

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

MOSES TUCHFELD.

Witnesses:

HENRY BAUM,
JOHN MAGEVNEY.