(No Model.)

F. HARMER.

SASH HOLDER.

No. 433,239. Patented July 29, 1890.

Fig. 1.

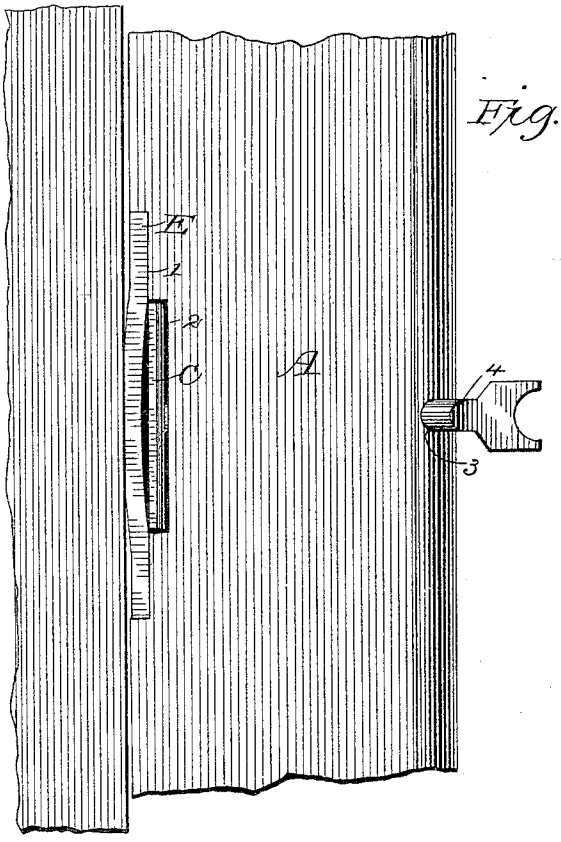


Fig. 2.

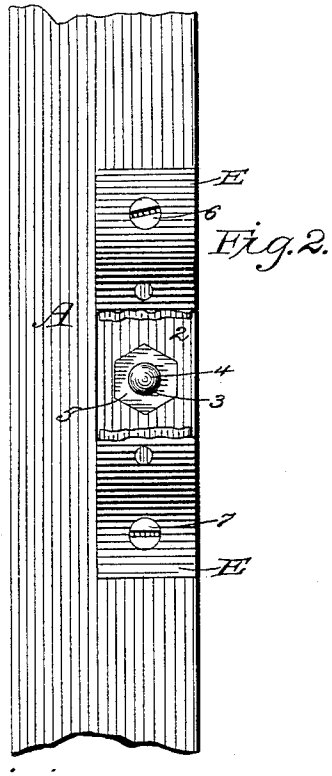


Fig. 3.

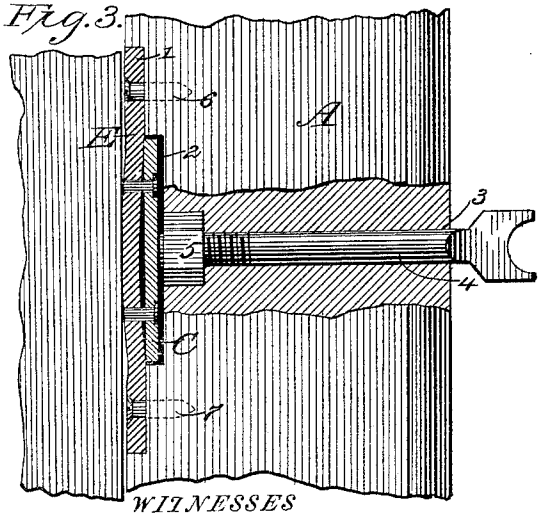
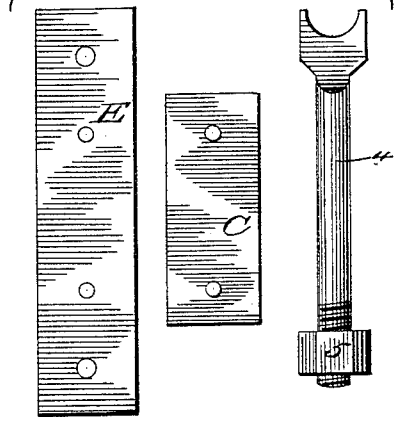


Fig. 4.



WITNESSES

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SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 433,239, dated July 29, 1890.

Application filed December 12, 1889. Serial No. 333,673. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK HARMER, a citizen of the United States of America, residing at Onekama, in the county of Manistee and State of Michigan, have invented certain new and useful Improvements in Sash-Holders, of which the following is a specification.

My invention has relation to improvements in sash-holders of that class bearing in the channel of the sash-frame and manipulated by a thumb-screw from the inside of the window.

The object of my invention is to provide a simple, cheap, and effective fastener for supporting a window-sash at any desired height; and it consists in a thumb-screw working in a nut or bearing secured in the stile of the sash, which bears upon a metallic plate secured to a strip of rubber or similar material, which rubber prevents the marring, cutting, or disfiguring in any way of the sash-channel.

Reference is had to the accompanying drawings, wherein—

Figure 1 is a view of a section of a window-sash with my improved sash-fastener attached. Fig. 2 is a side view. Figs. 3 and 4 are detail views.

A denotes a section of a window-sash in the stile of which is cut a mortise or rabbet 1. In the bottom of this is cut a smaller mortise 2, for the purpose as will be hereinafter described.

Through the sash A is bored a hole 3, at right angles to the plane of the frame, through which the thumb or set screw 4 is inserted, which works in a nut or bearing 5, seated in the mortise 2 at the inner end of the hole.

E denotes the rubber strip secured in the mortise 1 by means of screws 6 7, or other suitable means placed in each end thereof, so as to allow it to expand. To the under side of this strip is secured by rivets, cement, or any suitable means, a metallic plate C, which fits in the inner mortise 2, on which the set-screw 4 acts. The outer face of the rubber strip is arranged to lie on the line of the edge of the stile. When the thumb-screw is withdrawn from a half to a whole turn, the rubber and metal plate sink into the mortises 1 2, thus offering no impediment to the working of the sash; but upon the turning of the screw in a forward direction the metal plate and rubber covering are forced beyond the edge of the sash-stile, thereby forcing the sash against the opposite side of the window-frame and the rubber plate tight against the channel of the frame, thus holding the frame securely supported at any desired height.

When applied to a sash, the whole device is entirely out of sight, with the exception of the screw-head, which may be made in any ornamental design or shape, thus making a neat as well as useful device. When the sash is down, the holding-plate may be tightened up and the sash thus held securely down.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a sash-holder, the combination of the adjusting-screw 4, provided with the bearing-nut 5, adapted to be arranged in the stile of the sash, the metal bearing-plate C, and the outer rubber plate E, having the metal bearing-plate secured at its center portion and secured at its ends to the side of the sash, substantially as described, and for the purpose specified.

In witness whereof I have hereunto set my hand in the presence of two attesting witnesses.

FREDERICK HARMER.

Attest:

ALBERT WALKLEY,

L. D. WOOD.