

D. Bull,

Sash Fastener.

No. 93274.

Patented Aug. 3. 1869.

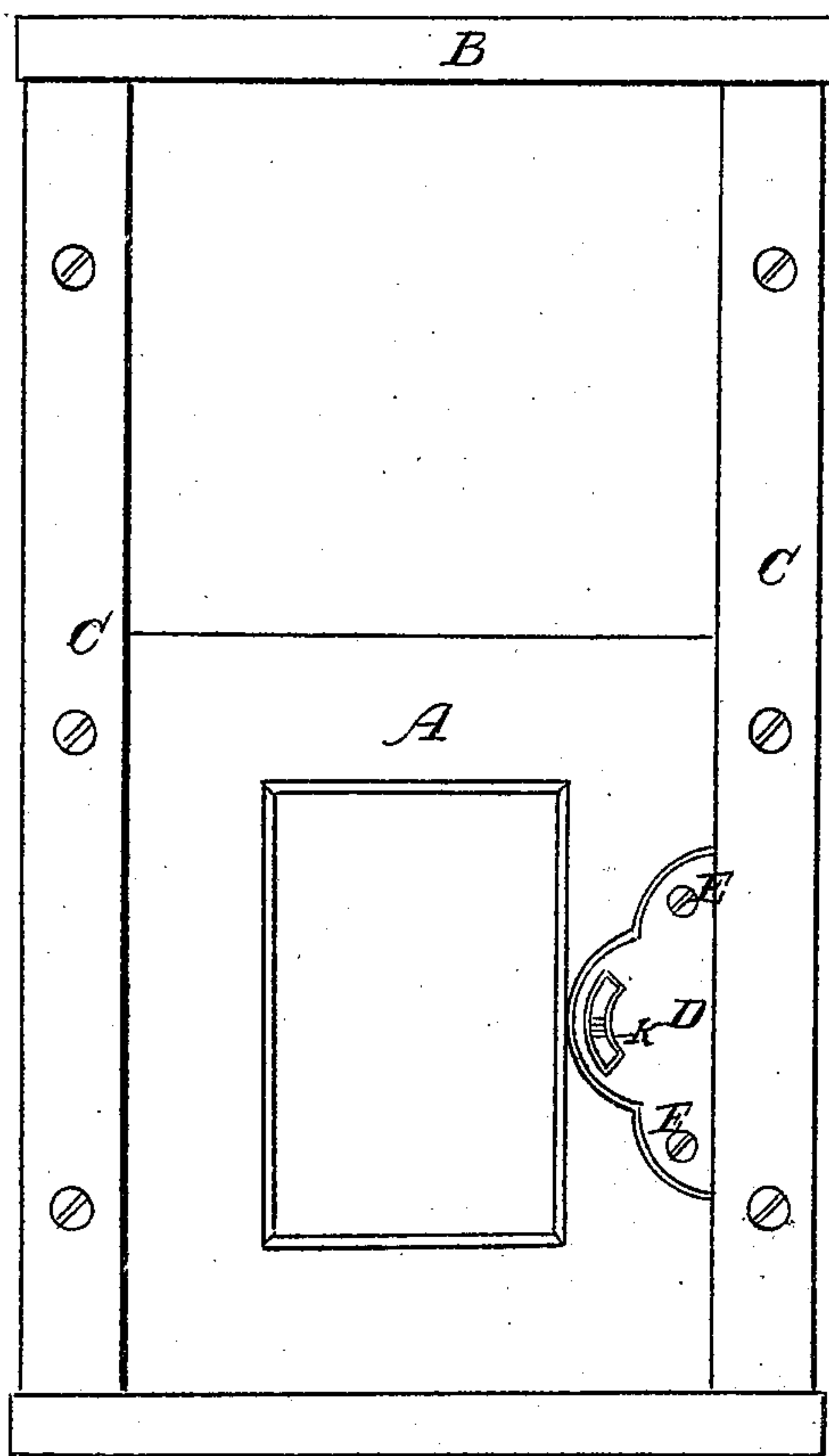


Fig. 1.

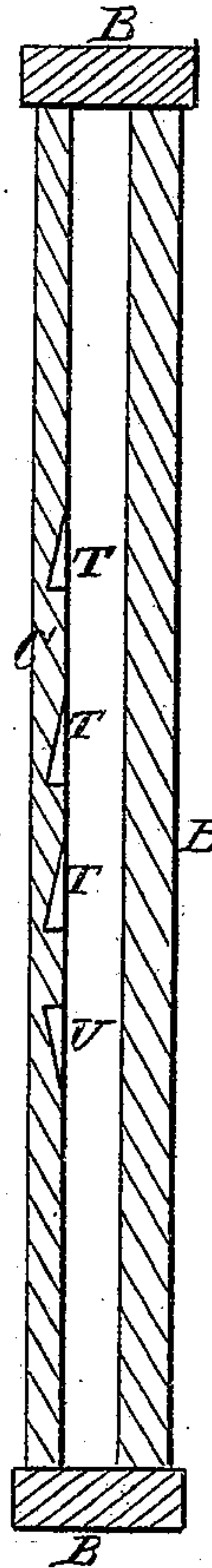
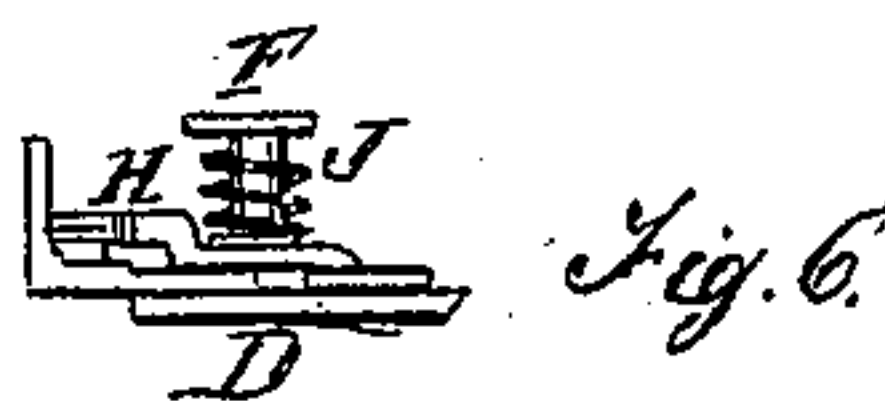
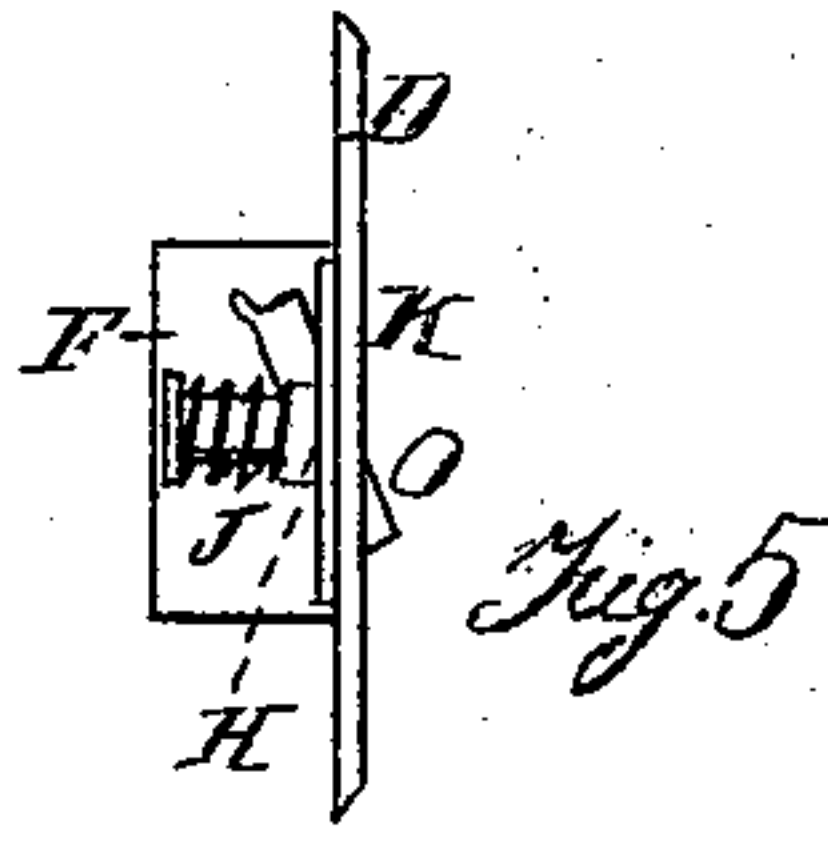
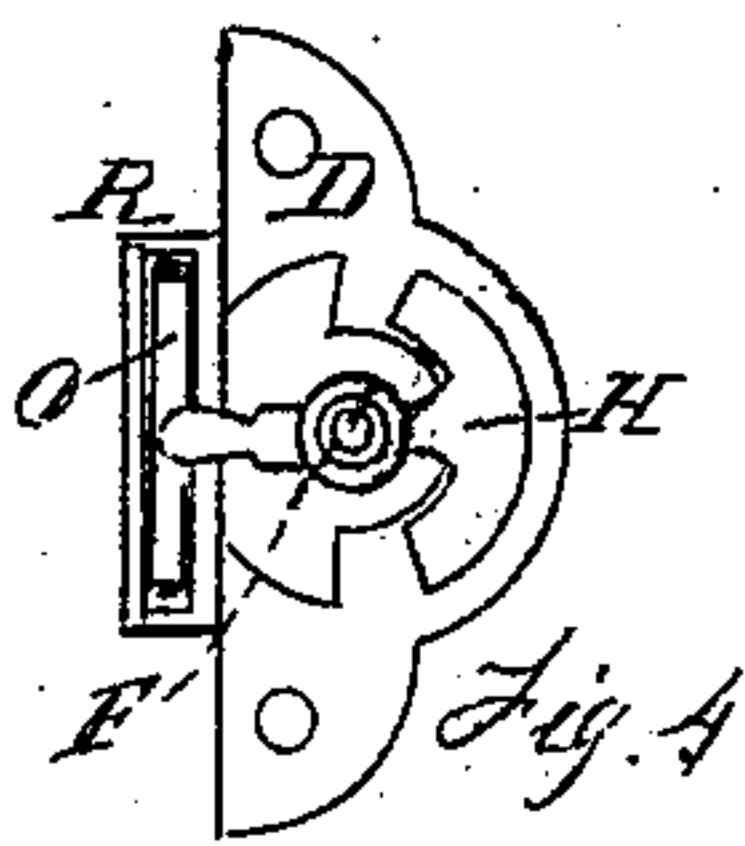
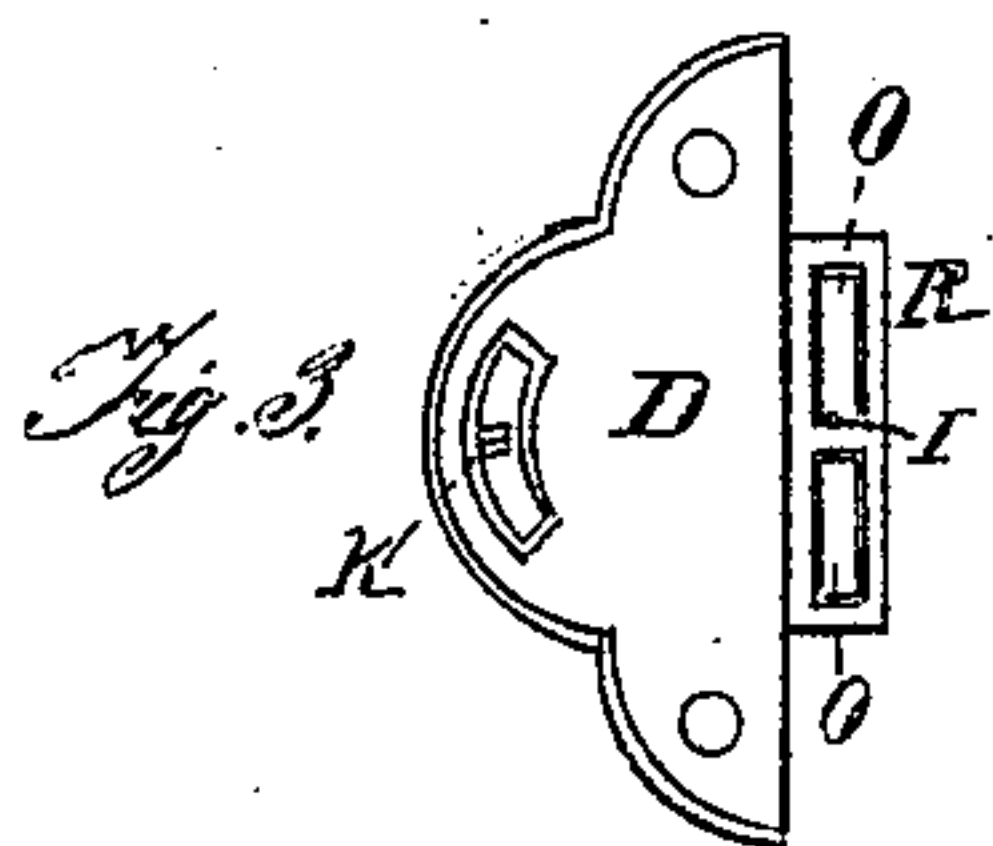


Fig. 2.



WITNESSES:

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United States Patent Office.

DANIEL BULL, OF AMBOY, ILLINOIS.

Letters Patent No. 93,274, dated August 3, 1869.

IMPROVED SASH-FASTENER.

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, DANIEL BULL, of Amboy, in the county of Lee, and State of Illinois, have invented a new and useful Improvement in Sash-Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, and the letters and figures marked thereon, which form a part of this specification, and in which—

Figure 1 represents a side elevation of my fastener, as applied to the window;

Figure 2, a vertical sectional view of the window-casing, and strip showing the notches in which the fastener engages;

Figure 3, a side elevation of the fastener, detached from the window;

Figure 4, a view of the under side of said fastener;

Figure 5, an edge view of the fastener, looking at the side; and

Figure 6, an edge view, looking at the end of the fastener.

The nature of my invention consists in a vibrating bar or lever, in a sash-fastener; also, in a thumb-piece, in combination with said vibrating bar; and it further consists in the combination of the thumb-piece, plate, spring, and vibrating bar, constructed and arranged as a window-fastener.

To enable those skilled in the art to understand how to manufacture and use my invention, I will proceed to describe the same with particularity.

The same letters of reference refer to the corresponding parts in the different figures.

In the annexed drawings—

A represents the window-sash;

B, the window-frame or casing; and

C, the removable strip which holds the sash in place.

D is a plate, which is secured to the window-sash in any suitable way, as by the screws E.

There is a post, F, attached to the under side of said plate on which a thumb-piece, H, is placed, it being held in place thereon by the spring J.

To one end of the thumb-piece H there is a projection, K, attached, which extends through the plate D far enough to be moved as hereafter described, while the other end of the piece H projects over the vibrating bar, or stop O.

The vibrating bar, or stop O, is made with a slot in one side, at or near its longitudinal centre, which fits on to the cross-piece I.

This saves making a hole through the bar, and fitting a pin for it to vibrate on.

The bar, or stop O, is held in place, as well as vibrated, as hereafter described, by the thumb-piece H.

There is a slight projection, S, on either end of the bar, or stop O, which strikes against the plate R, to

prevent it from turning, so that the end will not project too far through the said plate.

The operation of my fastener is as follows:

If a person wishes to raise the window-sash, he puts his thumb against the projection K and moves it up, thereby turning the thumb-piece H over the lower end of the bar O, so that it will press it against the window-casing, and cause it to spring into the notches T as the sash is raised sufficiently high.

The position the bar O assumes is shown in fig. 5.

When it is desired to lower the window-sash, the projection K is moved down, and the thumb-piece H is thrown over the upper end of the bar, or stop O, and forces the upper end thereof against the window-casing, so that it projects into the notches U, and locks the window down.

If it is desired to move the window-sash up and down without fastening or locking it, the projection K is moved to the centre of the opening or slot in the plate D, as shown in fig. 1, which throws the end of the thumb-piece H over the centre of the bar, or stop O, so that it holds it in a horizontal position, as shown in figs. 3 and 4, and neither end will project to catch the notches.

The spring over the thumb-piece H allows it to give, so that the bar or stop will operate as above described.

The thumb-piece H may be made of spring-metal.

My window-fastener is simple, cheap, and durable. It also admits of the operator using both hands to raise the window-sash; for, when the thumb-piece is moved to the desired position, it remains there without being held.

Having fully described the construction and operation of my invention,

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

1. The bar, or stop O, when so constructed and arranged in a sash-fastener, that it vibrates upon its centre to project either end thereof, substantially as described, to lock the sash up or down, as may be desired.

2. The combination of the vibrating bar, or stop O, and thumb-piece H, when so constructed and arranged that one end of the thumb-piece rests upon the bar, in such a way that the bar or stop is vibrated by it when it is moved, substantially as and for the purposes shown and specified.

3. The combination of the bar, or stop O, thumb-piece H, and spring J, when constructed and arranged substantially as and for the purposes herein set forth.

DANIEL BULL.

Witnesses:

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L. L. COBURN.