T. M. FOSTER.

Sash-Fastener.

No. 224,891. Patented Feb. 24, 1880.

Fig. 1.

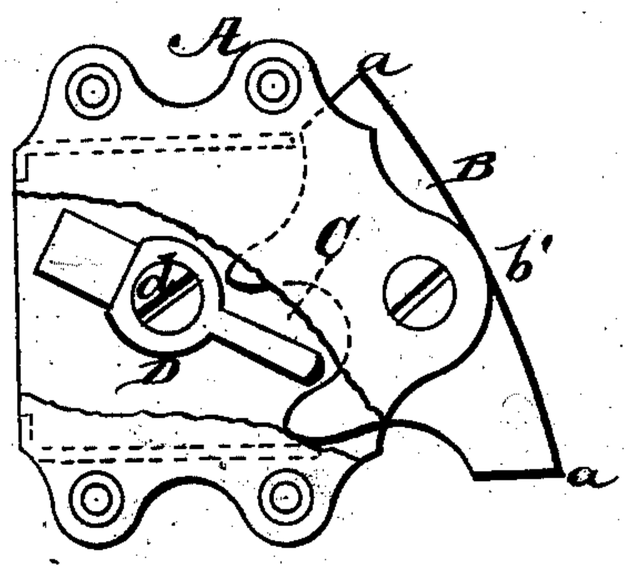


Fig. 2.

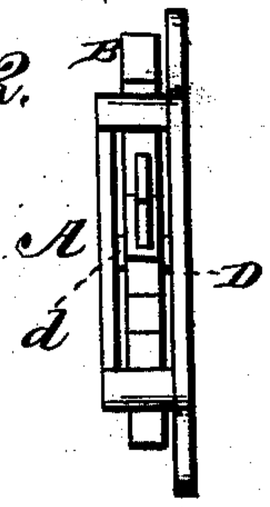


Fig. 3.

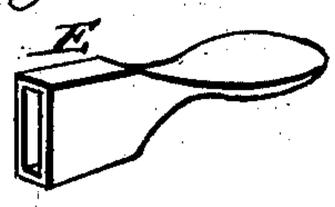
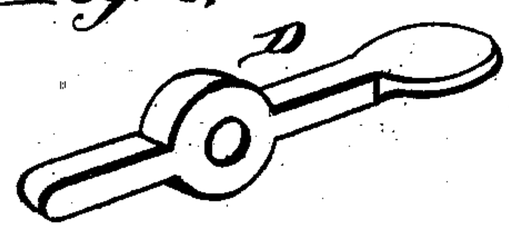


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

THOMAS M. FOSTER, OF UNION CITY, PENNSYLVANIA.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 224,891, dated February 24, 1880.

Application filed December 27, 1879.

To all whom it may concern:

Be it known that I, THOMAS M. FOSTER, of Union City, in the county of Erie and State of Pennsylvania, have invented certain new and useful Improvements in Window-Locks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a face of my window-lock, partly broken away to show my improvements. Fig. 2 is an edge view of the same. Fig. 3 is a view of the key, and Fig. 4 is a view of a modification.

This invention relates to an improvement in window-locks; and it consists of a lock-casing provided with a vibrating latch having beveled ends, each of which is adapted to engage with the window frame or sash, said latch having a recess in its rear face, in combination with a pivoted lever adapted to be operated by a key, as will be hereinafter fully described, and particularly pointed out in the claim.

Referring by letters to the drawings, A designates the latch-casing, between the walls of which is pivoted the latch B. I denominate this a "double latch," since both of its ends *a* are beveled alike, and also because the pivot passes through the same at a point intermediate between its ends, thus allowing either one of its ends to be vibrated forward to engage with the window-frame.

The face *b'* of the latch is preferably formed with a slight curvature near its ends, so that while the sash is being raised or lowered the latch will slide smoothly over the surface of the frame.

At the rear edge of the latch is formed a recess, C, between which and the latch-face is the pivot-hole for the pivot which passes through the casing.

D designates the latching-lever, which is pivoted between the walls of the casing by a pin or bolt, *d*. The forward end of this latching-lever extends into the recess of the latch, while its remaining end extends out from the rear of the casing, and is flattened at its extremity, so as to constitute a thumb-lever for vibrating the latch. Either end of the latch will be forced into contact with the frame, according to the direction in which the lever D is vibrated, and as no spring is employed the latching-lever D will retain the position in which it is set until forced therefrom by pressure upon its flattened end.

This lever D may, for certain purposes, be made with its rear arm somewhat shorter than that just referred to, and in such case an independent key, E, will be employed for vibrating the same.

This construction is especially desirable for dwellings, since the latching-lever cannot be reached without inserting a key or other instrument between the walls of the casing.

It will be evident that the above latch may be used either as a right or a left hand latch, and that it may be applied either to the frame or to the window-sash.

The casing which contains the latch and latch-lever is open at its front and rear sides, the former opening being for the free working of the latch and the latter for the vibration of the latching-lever.

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

In a window-lock, the casing A, provided with the vibrating latch B, having the recess C, and the beveled ends, *a a*, in combination with the pivoted lever D, adapted to be operated by the key E, substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

THOMAS M. FOSTER.

Witnesses:
WM. T. BOYD,
E. N. THOMAS.