

S. VREELAND.
SASH-FASTENER.

No. 172,212.

Patented Jan. 11, 1876.

Fig. 1.

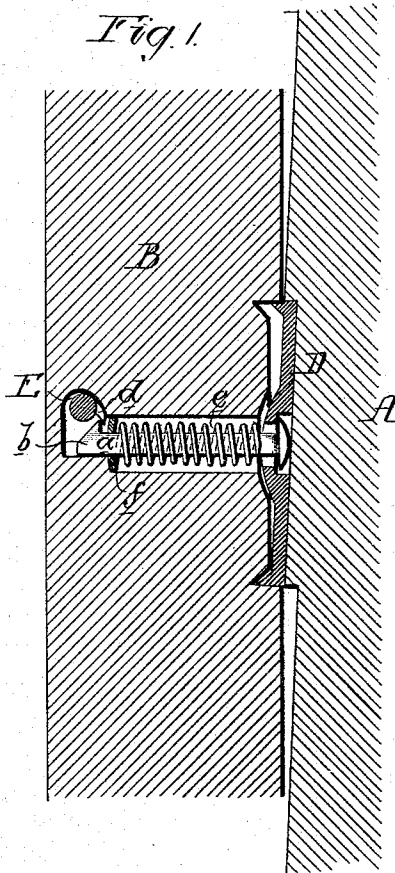


Fig. 2.

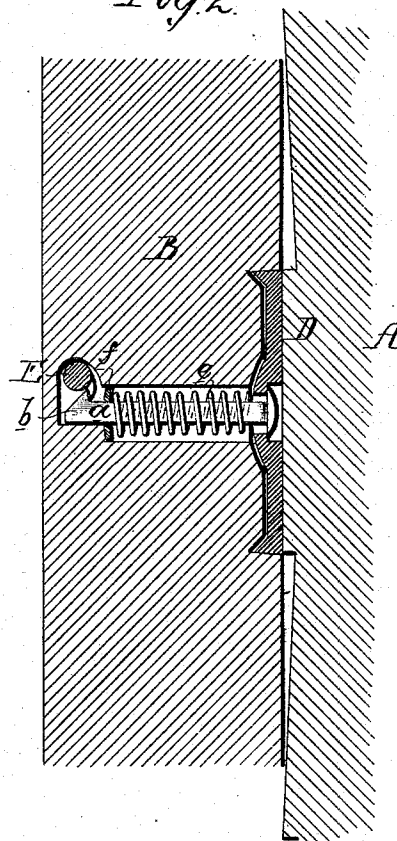
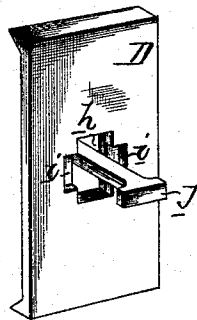


Fig. 3.



Witnesses,
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UNITED STATES PATENT OFFICE.

SIMON VREELAND, OF SALAMANCA, NEW YORK.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **172,212**, dated January 11, 1876; application filed October 22, 1875.

To all whom it may concern:

Be it known that I, SIMON VREELAND, of Salamanca, Cattaraugus county, New York, have invented an Improved Sash Lock and Retainer, of which the following is a specification:

The object of my invention is to construct a simple and effective locking and retaining device for window-sashes; and this object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figures 1 and 2 are vertical sectional views of part of a window sash and frame, with my improved lock and retainer in different positions; and Fig. 3, a perspective view of a portion of the lock.

A represents part of the frame of a window, and B one of the side strips of the sash, the edge of which adjacent to the frame is recessed for the reception of a plate, D, loosely connected at or near the center of the outer end of a shank, *a*, adapted to a longitudinal opening formed in the sash-frame, and provided at its inner end with a projection or hook, *b*, against which acts a lip, *d*, on the stem of a key, E, the latter being inserted into a transverse opening in the sash-frame, and serving to effect the withdrawal of the plate D when operated, as shown in Fig. 2. Around the shank *a* is coiled spring, *e*, which bears at one end against the plate D, and at the other against a loose ring, *f*, the latter abutting against a shoulder formed in the sash, so that the tendency of the spring is to press the plate D outward against the frame A.

The plate D may be connected to the shank *a* by means of an ordinary enlarged head upon the latter; but I prefer the mode of connection shown in Fig. 3, as it is simple, and readily allows the requisite movement of the plate D.

In this case the plate has a vertical opening, *h*, and in its face, on each side of the opening, is formed a recess, *i*, and the shank *a* has a T-head, *j*, which is first inserted through the opening *h*, and then turned so that its ends rest in the recesses *i*, the plate D being thus pivoted in the center, and being free to assume the position shown in Fig. 1, or the reverse of that position, as circumstances may require.

When the above-described device has to be used as a sash-lock the edge of the frame A is recessed, as shown in Figs. 1 and 2, so as to form shoulders, against which the upper or lower edges of the plate D abut, thus preventing the movement of the sash until the plate is retracted by operating the key E. When the device is intended merely as a retainer the edge of the frame is straight, the pressure of the plate D against the same being sufficient to prevent the rattling or accidental movement of the sash.

Among the advantages of my invention may be mentioned its security, the fewness of its parts, its cheapness, and the ease with which it can be applied to a sash.

I claim as my invention—

1. The combination, in a sash lock and retainer, of the plate D, hung to the end of the hooked shank *a*, the spring *e*, ring *f*, and key E, as set forth.

2. The plate D, its vertical opening *h*, and recesses *i*, in combination with the T-headed shank *a*, to which said plate is hung, as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SIMON VREELAND.

Witnesses:

HARRY HOWSON, Jr.,
HARRY SMITH.