R. H. & G. H. RANDALL.
Sash-Fastener.

No. 198,250. **Patented Dec. 18, 1877.**

Fig. 1.

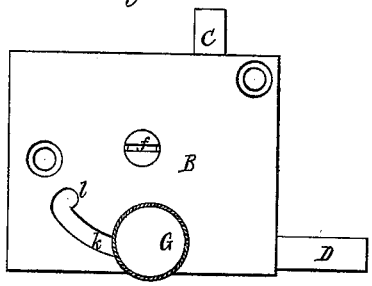


Fig. 3.

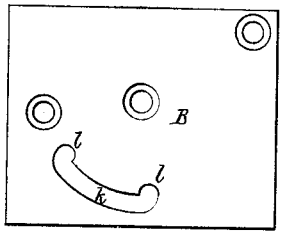


Fig. 2.

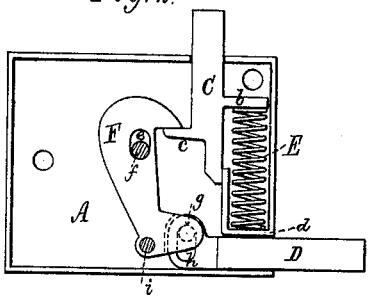


Fig. 4.

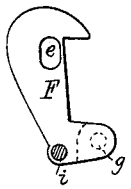


Fig. 5.

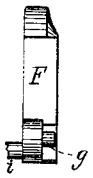


Fig. 6.

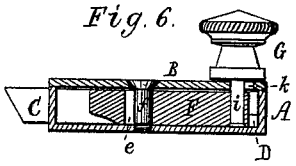


Fig. 9.

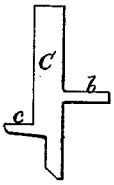


Fig. 10.

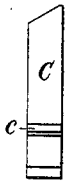


Fig. 7.

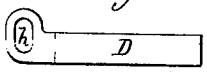
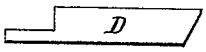


Fig. 8.



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L. L. Miller.

Inventor
Robert H. Randall.
George H. Randall.
by their attorney
R. H. Eddy

UNITED STATES PATENT OFFICE.

ROBERT H. RANDALL AND GEORGE H. RANDALL, OF NATICK, MASS.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **198,250**, dated December 18, 1877; application filed October 10, 1877.

To all whom it may concern:

Be it known that we, ROBERT H. RANDALL and GEORGE H. RANDALL, of Natick, of the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Window-Sash Fastenings; and do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view of a sash-lock embodying our invention. Fig. 2 is a view of it as it appears when the cover of its case is off or removed from the body thereof. Fig. 3 is a top view of the said cover. Fig. 4 is a top view, and Fig. 5 an edge elevation, of the slotted lever or actuator of the bolts. Fig. 6 is a transverse section of the lock, taken through the shank of its knob. Fig. 7 is a top view, and Fig. 8 a side elevation, of the slotted bolt. Fig. 9 is a top view, and Fig. 10 a side view of the other or latch bolt.

The aforesaid sash lock or fastener consists in a novel combination of separate bolts, a single operative spring, a stud or knob, and a slotted lever and plate, all constructed, arranged, and applied substantially as hereinafter more fully described and claimed.

It is to be fixed on the top of the lower of the two sashes of a window, and is to be used for locking both of them, and for holding them open at different altitudes within the window-frame, as occasion may require.

What is termed the "slotted bolt" is to operate with a series of notches or recesses made in what is usually termed the "pulley-stile" of one of the grooves for reception of the lower sash, the other or latch bolt being to operate with another such series of recesses made in a vertical bar of the upper sash.

The latch-bolt admits of the upper sash being raised; but while such bolt is in either of the recesses of its series, it prevents the upper sash from being depressed. So, while the slotted bolt is in any one of the recesses of its series, it will hold or lock the sash, so as to prevent it from being moved either upward or downward.

In the drawings, A denotes the body of the case of the lock or fastener as provided with a removable cover, B, to be secured to the said body by suitable means.

Within the said case, and applied to it, so as to be capable of being moved longitudinally in it, are two bolts, C D, which are disposed at a right angle to each other. The bolt C has ears *b c* projecting from it, as represented. A helical spring, E, bears against one of such ears, and an abutment, *d*, arranged in the case, as shown. The other ear, *c*, rests against the shorter arm of a lever, F, formed and having a pivotal slot, *e*, arranged in it, as represented. The fulcrum or pivot *f* of such lever goes through the slot. Furthermore, from the longer arm of the lever a stud, *g*, is extended into a slot, *h*, arranged in the rear part of the slide-bolt D, in manner as shown in Fig. 7.

A simple stud or pin, or the shank *i* of a knob, G, projects from the longer arm of the lever F up through a curved or arcal slot, *k*, made in the cover B, there being at each end of the slot, and arranged with such slot in manner as shown, a notch, *l*.

The spring E serves to shoot the latch-bolt forward, and, by means of such bolt and the lever F, such spring also effects the advance of the other bolt. Both bolts are simultaneously retracted when the knob is drawn backward in the cover-slot, and, in consequence of the pivotal slots of the two bolts, the spring can operate to cause the shank of the knob to be driven into either locking-notch *l*. When the said shank is in the rear notch, both bolts will be entirely back in the case and locked. So when the shank is in the front notch, the bolts will be entirely forward, and the slotted bolt only will be locked.

We do not claim a sash-lock, to be fixed on a window-frame, and to have separate bolts for locking the two sashes of such frame, as our lock is to be fastened to the lower sash of a window. Nor do we claim, broadly, a fastener or lock provided with two separate bolts.

We claim as our invention—

The sash-fastener, substantially as described, consisting of the two separate bolts C D, the single operative spring E, the stud or knob G, the slotted lever F, and the slotted and notched plate B, all constructed, arranged in the case, and applied essentially as set forth.

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Witnesses:
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