(No Model.)

J. K. FOSS.

FASTENER FOR MEETING RAILS OF SASHES.

No. 265,951. Patented Oct. 17, 1882.

Fig. 1.

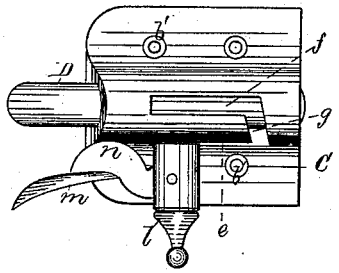


Fig. 2.

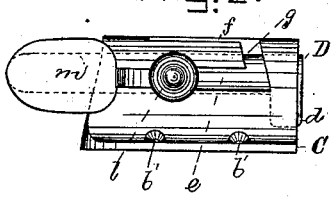


Fig. 3.

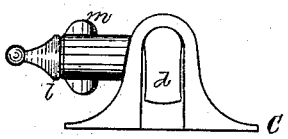


Fig. 4.

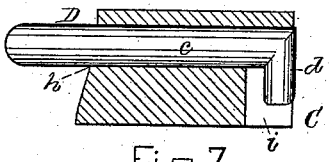


Fig. 5.

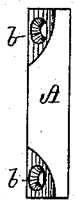


Fig. 6.

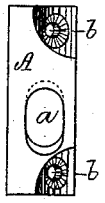


Fig. 7.

Fig. 8.

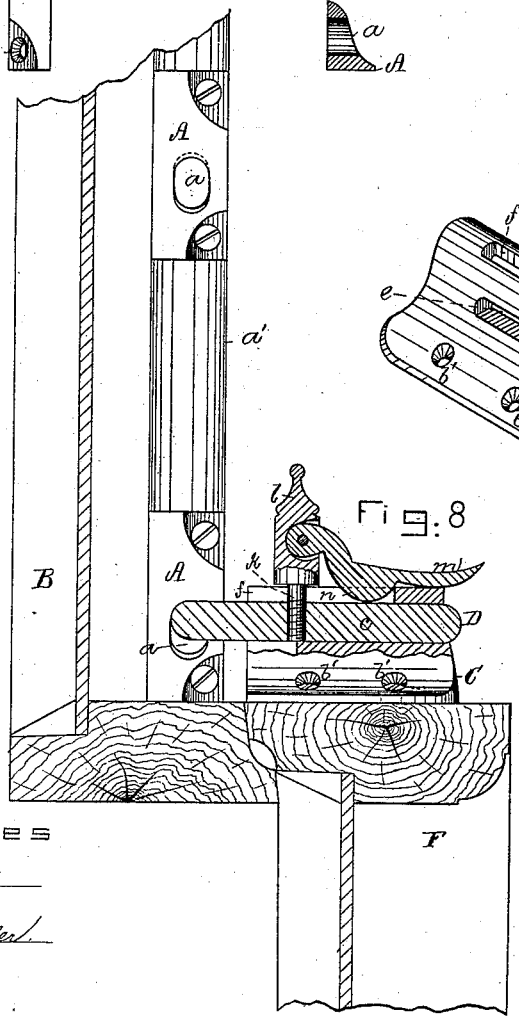
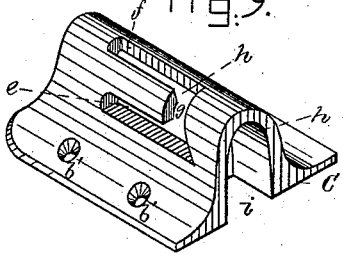


Fig. 9.



Witnesses
S. N. Piper
L. W. Miller

Inventor.
Jacob K. Foss,
by R. K. Eddy atty.

UNITED STATES PATENT OFFICE.

JACOB K. FOSS, OF READING, MASSACHUSETTS.

FASTENER FOR MEETING-RAILS OF SASHES.

SPECIFICATION forming part of Letters Patent No. 265,951, dated October 17, 1882.

Application filed April 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, JACOB K. FOSS, of Reading, in the county of Middlesex, of the State of Massachusetts, have invented a new and useful Improvement in Window-Sash Fastenings; and I 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, Fig. 2 a side elevation, Fig. 3 a front end view, and Fig. 4 a longitudinal section, of a sash-lock of my improved kind. Fig. 5 is a front edge view, Fig. 6 a side view, and Fig. 7 a transverse section, of the catch-plate used with the said lock. Fig. 8 is a transverse section of the meeting-rails of the upper and lower sashes of a window, such section showing the arrangement of my locking devices with the upper rail of the lower sash and with a vertical bar of the upper sash. Fig. 9 is hereinafter described.

With my said sash-lock there is to be used one or more of the catch-plates, A, each of which is a rectangular plate curved or shaped to fit the side of the sash-bar, and formed with an elongated bolt-receiving hole, *h*, and two countersunk holes, *b b*, these latter holes being to receive screws for fastening the catch-plate to the side of the vertical bar, whether it be the side bar or what is usually termed the "mullion" of an upper sash. In Fig. 8 a series of the catch-plates is shown as applied to the vertical bar *a* of the upper sash, B. The sash-lock is fastened to the upper side of the lower sash, F, by screws going down through holes *b'* in the case C of said lock.

The bolt D has a cylindrical shank, *c*, and a head or projection, *d*, extending therefrom at a right angle, the said bolt being arranged to freely slide lengthwise within the upper part of the case, in which there are arranged, as shown, a horizontal slot, *e*, and a vertical slot, *f*, and a connecting inclined slot, *g*, these slots being shown particularly in Fig. 9, which is a perspective view of the lock-case. Extending down from the bolt-passage *h* of the case and opening out of the front end of the case is a recess, *i*, to receive the bolt-projection *d*, when the latter is vertical or turned down and the bolt is slid back to its rearmost position. A stud, *k*, extends upward from the bolt through the slot *f*, and is surmounted by a head, *l*, to which is pivoted a thumb-lever, *m*, provided with a projection, *n*, to enter the slot *f* when the said lever is turned downward. When the said projection is in the said slot the bolt will be held from revolving or locked, so as to prevent it from being turned by an implement introduced between the meeting-rails of the sashes by a person outside of the window.

Under ordinary circumstances, or when it may be desirable to keep the sashes unlocked, the stud-head *l* will be turned down, and the stud will be in the slot *e* and at the rear part thereof, the catch-head *d* being back within the recess. The upper sash may then be lowered or the lower sash be raised without interference from the bolt. When, however, it may be desirable to lock the sashes when both may be closed, or one of them may be opened or partially opened, the bolt is to be shot forward and revolved, so as to cause the bolt head or projection to enter one of the locking-plates. As the connection-slot *g* is somewhat inclined to or making an angle with the horizontal slot *e*, the stud, in passing upward through the said connection-slot, will, with such slot, cause the bolt to be retracted a little, so as to draw the upper toward the lower sash. On depressing the lever *m* of the stud-head, so as to force the projection *n* into the slot *f*, the bolt will be locked, as hereinbefore described.

From the above it will be seen that with my improved sash-fastening the sashes may be fastened when closed as well as when either may be more or less open, and that when so fastened the fastening cannot be tampered with from the outside of the window.

What I claim as my invention is as follows:

The bolt-case provided with the bolt-receiving passage *h*, and with the slots *e*, *f*, and *g*, arranged as shown, in combination with the bolt having the projection *d*, and the stud and the locking-lever applied to the head of the latter, all being to operate substantially as described, with one or more catch-plates, applied as explained.

JACOB K. FOSS.

Witnesses:
R. H. EDDY,
E. B. PRATT.