(Model.)

W. P. DODSON.

FASTENER FOR MEETING RAILS OF SASHES.

No. 368,997. Patented Aug. 30, 1887.

Fig. 1.

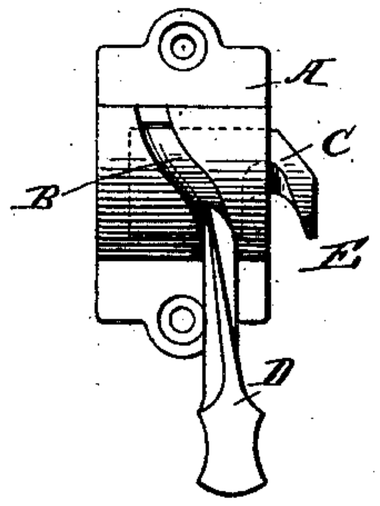


Fig. 2.

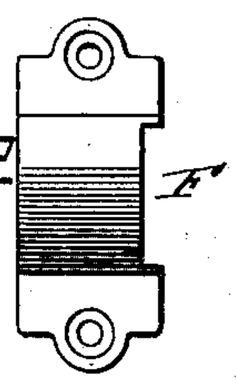


Fig. 3.

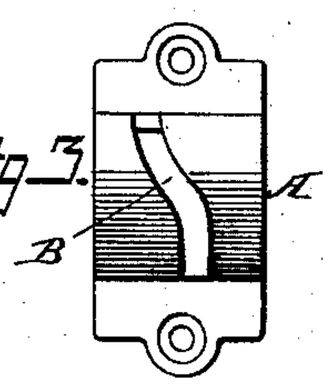


Fig. 4.

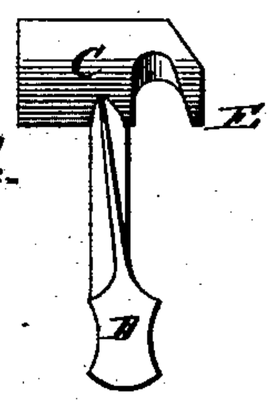


Fig. 5.

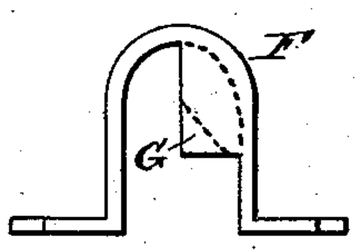


Fig. 6.

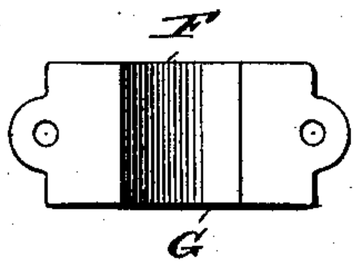
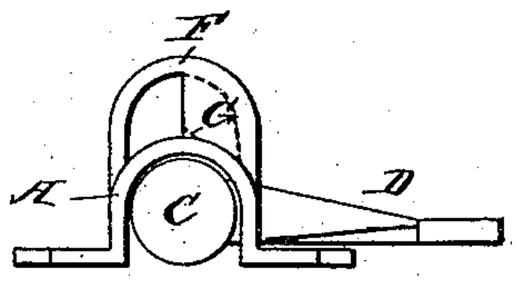


Fig. 7.



Attest:
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UNITED STATES PATENT OFFICE.

WILSON P. DODSON, OF PHILADELPHIA, PENNSYLVANIA.

FASTENER FOR MEETING-RAILS OF SASHES.

SPECIFICATION forming part of Letters Patent No. 368,997, dated August 30, 1887.

Application filed September 2, 1886. Serial No. 212,529. (Model.)

To all whom it may concern:

Be it known that I, WILSON P. DODSON, a citizen of the United States, and a resident of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Sash-Locks, of which the following is a specification.

My invention relates to the construction of a fastener for window-sashes; and it consists in a sash-fastener placed partly upon the upper sash and partly upon the lower sash, and so constructed that while the sashes are perfectly free to move when it is not in action they are held firmly in position both vertically and horizontally when it is in action.

Referring to the accompanying drawings, Figure 1 represents the casing A, in which is the slot B, which is to be placed on the top of the lower sash, and which contains the bolt C, having a spiral handle, D, and a spiral finger or point, E, advanced as in action. Fig. 2 represents the keeper F, which is fastened on the top of the lower rail of the upper sash. Fig. 3 represents the casing A alone, showing the slot B. Fig. 4 represents the bolt C, with its handle D and spiral finger or point E. Fig. 5 is a front view of the keeper F, showing the beveled projection G within it, which engages with the spiral finger or point of the bolt C. Fig. 6 is a bottom plan view of the same. Fig. 7 is a view of the whole device joined as in action, holding the sashes together.

It will be observed that the slot B in the casing A is a cam controlling the forward motion of the bolt when it is revolved by its handle, being effectively a female screw-thread, while the handle is an effective male thread, and that it is partly diagonal and partly transverse, so that when the bolt is revolved by its handle it has in one part of its revolution a longitudinal motion and in the other part only a rotary motion.

When the handle is brought down upon the side on which the cam-slot is diagonal, the bolt is withdrawn entirely within the casing. When the bolt has made a quarter-turn, it is advanced by the movement of the handle within the cam-slot, so that it enters the keeper F, and its spiral point is ready to engage with the beveled projection within the keeper. While it makes the next quarter-turn its movement is entirely rotary, and its point, engaging with the projection within the keeper, draws upon it and binds the two sashes firmly together.

As shown in Fig. 5, and especially in Fig. 7, the keeper F may be made higher than the casing A, which is done for the reason that it frequently happens that the lower sash will not go entirely down or the upper sash entirely up, and this irregularity is thus allowed for when desired.

The handle is shown as having a spiral or twisted shank and a flat thumb-piece arranged parallel to the axis of the bolt, and by this construction I am enabled to make the parts separately and assemble them when used, the flattened thumb-piece and twisted handle being readily passed through the slot in the casing.

Without limiting myself to the precise construction and arrangement of parts shown, I claim—

1. A sash-fastener comprising a casing having a slot extending for a part of its length obliquely, and for the remaining part transversely, of the casing, a bolt within said casing, a handle having a spiral or twisted shank and flat thumb-piece connected to said bolt and passing through the slot to contact with the sides thereof, and a keeper to receive the bolt when protracted, substantially as described.

2. In a sash-fastener, a casing having a slot extending for a part of its length obliquely, and for the remaining part transversely, of said casing, a bolt within said casing having a forwardly-projecting spirally-arranged finger to engage a keeper, and a handle having a spiral or twisted shank and flat thumb-piece projecting through said slot to engage the sides thereof, in combination with a keeper comprising a casing having an inwardly-projecting portion inclined upon one side to engage the spiral finger of the bolt, substantially as described.

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

WILSON P. DODSON.

Witnesses:

R. H. NORTH,

WM. V. MASSEY.