

L. L. BATES.

Fasteners for the Meeting-Rails of Sashes.

No. 142,667.

Patented September 9, 1873.

Fig. 1.

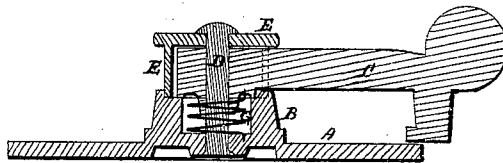


Fig. 2.



Fig. 3.

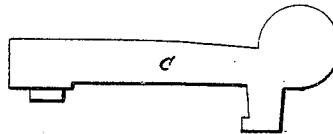
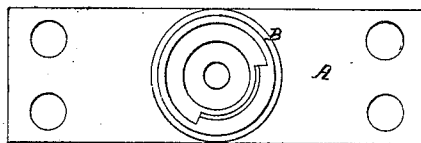


Fig. 4.



Witnesses.

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LORING L. BATES, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN FASTENERS FOR THE MEETING RAILS OF SASHES.

Specification forming part of Letters Patent No. **142,667**, dated September 9, 1873; application filed June 24, 1873.

To all whom it may concern:

Be it known that I, LORING L. BATES, of Boston, Suffolk county, Massachusetts, have invented certain Improvements in Window-Sash Locks, of which the following is a specification:

This invention relates to an improved manufacture of window-sash locks or fasteners, whereby the same may be produced at much less cost than heretofore; and it consists in the peculiar form and construction of the parts hereinafter described and claimed.

The drawings accompanying this specification represent in Figure 1 a vertical and longitudinal section of one half or portion of a sash-lock containing my improvements. Fig. 2 is a side view of the outer cap or cup which embraces and covers the joint of the latch bar or hook. Fig. 3 is a side view of the latch bar or hook. Fig. 4 is a plan of the base-plate to which the latch-bar is pivoted.

In the above-mentioned drawings, A denotes a flat rectangular plate, having a central hollow boss, B, erected upon it. C represents the swiveling latch bar or hook, which locks to a latch affixed to the opposite sash, the base of this latch-bar resting upon the top of the boss, while a vertical pin or rivet, D, passes through the latch and boss, and also through a cap, E, which incloses or embraces the end of the latch-bar, and rests upon the top of the boss outside of the latch-bar, as shown in Fig. 1 of the drawings, the pin or rivet serving to confine the cap, latch-bar, and plate permanently and firmly together, and permit

the bar to turn freely in the arc of a circle upon the rivet as an axis. A coiled spring, G, is disposed within the chamber of the boss B, one end of such spring being secured to the latch-bar, and the other end to the base-plate A, the stress of such spring serving to impel the latch-bar away from the catch or latch with which it interlocks.

Heretofore the construction of this class of sash fastener or lock has entailed considerable machine-work to fit its parts together, such as counterboring or milling the interior of the cap-plate, which is a post of the latch-bar, and turning off or milling the post upon which the latch-bar turns, and also a channel in the base-plate surrounding this post, in which channel the lower end of the cap-plate plays.

This fitting adds very considerably to the cost of the fastening, while by my method of producing the parts no fitting is required, and they are simply put together as they come from the foundry. My fastener is also strong, simple, and durable.

I claim as my invention—

The herein-described sash fastener or lock, consisting of the plate A, hollow boss B, latch-bar C, and cap-plate E, the rivet D and spring G being added, and the whole operating substantially as and for purposes stated.

LORING L. BATES.

Witnesses:

F. CURTIS,
W. E. BOARDMAN.