

J. J. DINNAN.

FASTENERS FOR THE MEETING-RAILS OF SASHES.

No. 174,415.

Patented March 7, 1876.

Fig: 1.

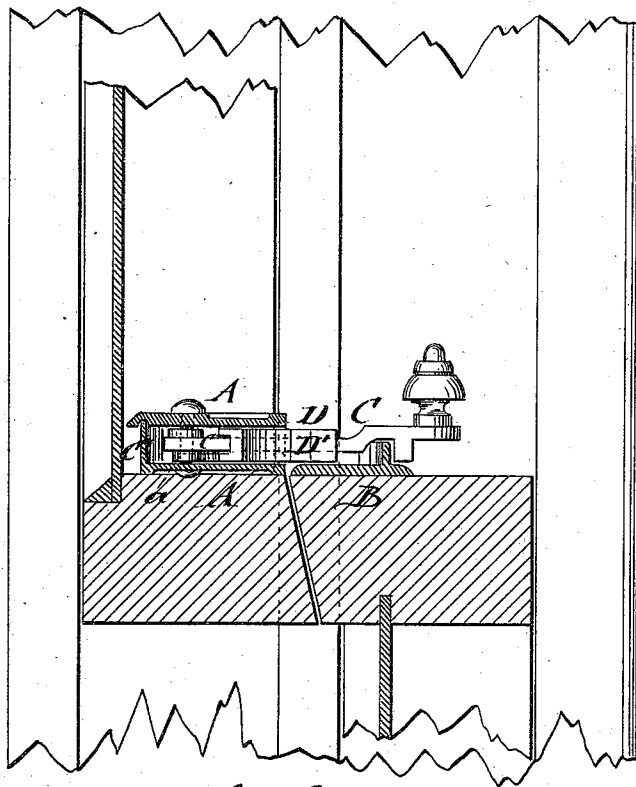
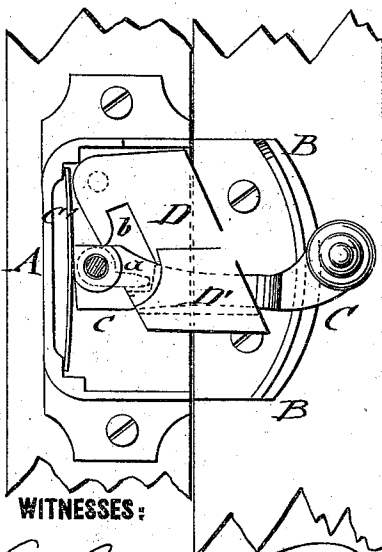


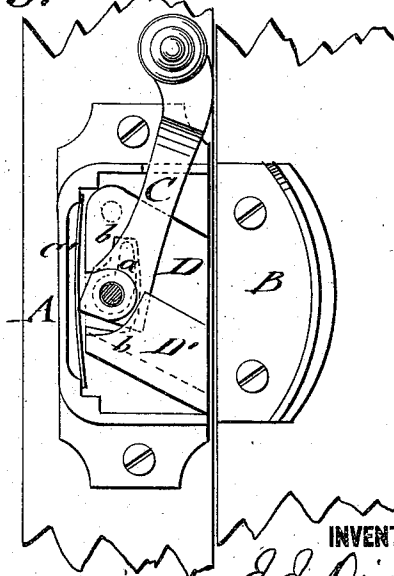
Fig: 2.



WITNESSES:

Chas. Nida
John Goettels

Fig: 3.



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UNITED STATES PATENT OFFICE.

JOHN J. DINNAN, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN FASTENERS FOR THE MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. **174,415**, dated March 7, 1876; application filed January 22, 1876.

To all whom it may concern:

Be it known that I, JOHN J. DINNAN, of New Haven, New Haven county, Connecticut, have invented a new and Improved Sash-Lock, of which the following is a specification:

Figure 1 represents a vertical transverse section of my improved sash-lock, (shown in closed position;) and Figs. 2 and 3 are top views of the same with top plate detached, showing the lock respectively in closed and open positions.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide a very effective sash-lock, by which the sashes are secured in such a manner that no knife-blade can be run between them to open the lock, as commonly practiced by burglars, and thus a strong and reliable lock be furnished.

The invention consists of a pivoted locking-plate, that is thrown across the sashes by a swinging and spring-acted bar or handle, that bears, by a cam, on a recess of the locking-plate, which has a shoulder and guard to embrace and retain the operating-handle securely in closed position, as will be hereinafter more fully described, and definitely claimed.

In the drawing, A represents the usual casing, which is secured in the usual manner to the sash, and B the cam-plate of the other sash, along which the operating-bar or handle C is carried when closing the sash-lock. The handle C is pivoted to the casing A, and provided at the under side with a cam, *a*, that engages a recess, *b*, of a locking-plate, D, which is pivoted at the corner in such a manner that it may be moved simultaneously with the forward motion of the handle-bar, and back again when the same is carried back to allow the opening of the sashes. The operating-handle C is acted upon by a band-spring,

C', which is seated on the interior shoulder of the casing A, and intended to throw the handle more easily into open or closed position. The locking-plate D is provided with a raised shoulder and guard-plate, D', cast therewith, that serves to guide the handle when thrown across the sashes, and also for the purpose of stopping the same when in position for locking across the sashes.

The forward swinging of the handle carries the locking-plate with the same across the joint of the sash-rails until stopped by the guard-shoulder.

The combined action of the locking-plate and handle holds the sashes firmly closed, the locking-plate preventing the opening of the lock by the introduction of a knife-blade or other tool from below, as it incloses the handle and secures the same rigidly in position.

The parts of the sash-lock may all be cast, and thereby the same furnished at comparatively low rates, forming a sash-lock of superior qualities to the common lock, which may be too easily tampered with.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a sash-lock, the combination of the pivoted and spring-acted bar or handle C, having projecting cam *a*, with the pivoted and recessed locking-plate D, swinging jointly with the handle or lever, and retaining or embracing it, substantially as specified.

2. In a sash-lock, a pivoted locking-plate, D, having guard-shoulder and guide-plate D', for guiding and retaining the handle in locked position, substantially as specified.

JOHN J. DINNAN.

Witnesses:

CORNELIUS T. DRISCOLL,
PATRICK O'CONNOR.