J. B. MORRIS.

Fastener for Meeting Rails of Sashes.

No. 212,487. Patented Feb. 18, 1879.

Fig. 1.

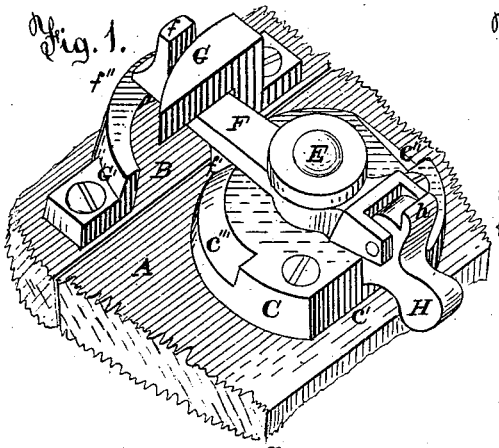
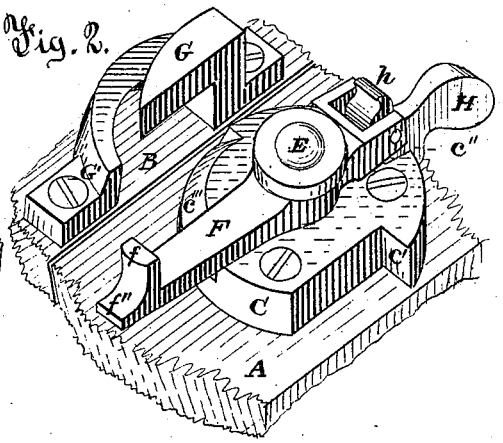


Fig. 2.



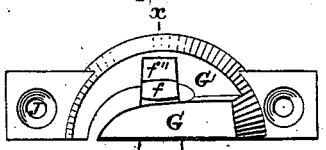
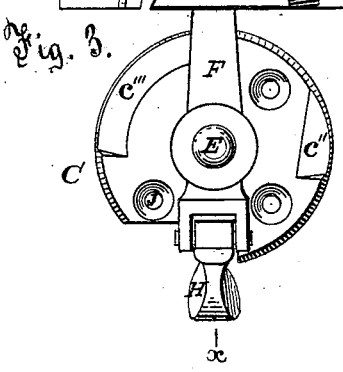


Fig. 3.



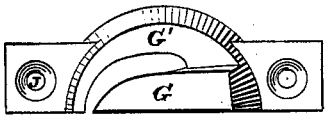


Fig. 4.

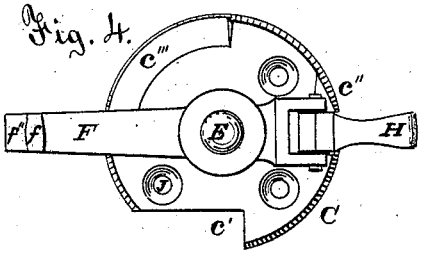


Fig. 5.

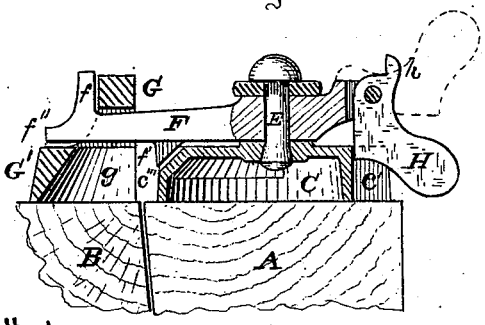
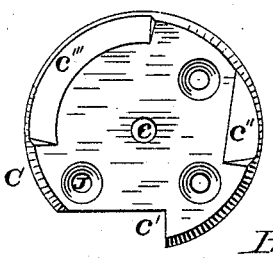


Fig. 6.



Attest

Walter Knight.

L. M. Bond

Inventor

John B. Morris

By Knight Bros.

Attys.

UNITED STATES PATENT OFFICE.

JOHN B. MORRIS, OF CINCINNATI, OHIO.

IMPROVEMENT IN FASTENERS FOR MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. **212,487**, dated February 18, 1879; application filed November 8, 1878.

To all whom it may concern:

Be it known that I, JOHN B. MORRIS, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Improvement in Fasteners for Meeting-Rails of Sashes, of which the following is a specification:

My present invention is an improved form for such fastenings for the meeting-rails of window-sashes as are described in Patent No. 205,568, granted to me on the 2d of July, 1878.

The improvement hereinafter described is designed to enable the latch-bar to be securely set or fastened in the unlocked or locked position at will, and to be usable with sashes of various sizes.

My improvement further comprises a construction of latch-bar and supporting-plate which secures the arrest of the bar at the extremities of its stroke or swing without the use or necessity of any projection from the general level of the plate-top.

My improvement further comprises a construction of latch-bar and of the engaging spur or hook whereby the heel of the bar is duly supported without necessitating the use of a hard core in molding the said hook.

In the accompanying drawings, Figures 1 and 2 are perspective views of my fastening in the closed and open positions, respectively. Figs. 3 and 4 are top views of the same. Fig. 5 is a section in the line *x x* of Fig. 3, and Fig. 6 is a top view of the supporting-plate.

A and B may, respectively, represent portions of the meeting-rails of a lower and of an upper window-sash.

C is an elevated plate, of for the most part circular contour, and having a central orifice, *c*, for the stud or pivot E of my latch-bar F. Said plate has in front a rectangular jog or notch, *c'*, to receive and retain the pivoted handle or pendant H of the latch-bar in the closed position of the said bar. Said plate has, further, on its right side, a sloping jog or bevel, *c''*, that terminates abruptly at its front end, to receive and retain said pendant in the open position of the said bar. Said plate has further, on its left side, and occupying about a fourth of its circuit, a bevel-jog, *c'''*, to receive a teat or projection, *f''*, from the under side of the latch-bar, whose impact with the abrupt extremities of the jog operates to properly limit the swing of the said bar.

The latch-bar F has the usual lip *f*, for engagement behind a hook or spur, G, whose rear edge being cam-shaped, the closing of the latch-bar operates to draw together the two meeting-rails by the act which locks them.

The base-plate G' of the hook is cut away in the sloping form shown at *g* in Fig. 5, so as to leave an entirely open space beneath the hook, in order to enable this member to be molded without a core; and inasmuch as this shape would leave unsupported the rear end of the latch-bar, I form on said rear extremity a heel or prolongation, *f''*, which rests upon the bed-plate G' in the locked condition of the fastening.

For convenience in handling the fastening, a lip, *h*, operates as a stop to prevent the pendant H being elevated beyond a horizontal position, as indicated by dotted lines in Fig. 5.

The plate C is formed hollow on its under side, as seen in Fig. 5.

The height of the plate C affords room for the bevel-jogs *c'* and *c''*, and enables the pendant H to hang clear of the sash-rail, which latter may, consequently, be of less or greater thickness without disturbing the operations of the fastening.

Suitable orifices J enable the attachment of the members C and G to their respective sashes.

In the present illustration my device is so arranged as to lock by a right-hand, and to unlock by a left-hand, turn of the latch-bar; but it is evident these movements might be reversed, if desired.

I claim as new and of my invention—

1. The improved sash lock or fastening consisting of the elevated plate C, having shouldered notches *c' c'' c'''*, pivot E, for swinging latch-bar F *f*, and the hinged pendant H, for attachment to the lower sash, in combination with a stationary spur or cam-hook upon the upper sash, substantially as set forth.

2. The combination, with the spur or cam-hook G upon base-plate G′, constructed with an open space beneath said hook, to enable the part to be molded without a core, of the swinging latch-bar F, having lip *f* and projection *f″*, adapted to project beyond the open space and furnish a support for the latch-bar, substantially as described.

In testimony of which invention I hereunto set my hand.

JOHN B. MORRIS.

Attest:
GEO. H. KNIGHT,
WALTER KNIGHT.