De W. C. GOODRICH.

Fasteners for Meeting Rails of Sashes.

No. 153,067. Patented July 14, 1874.

Fig 1

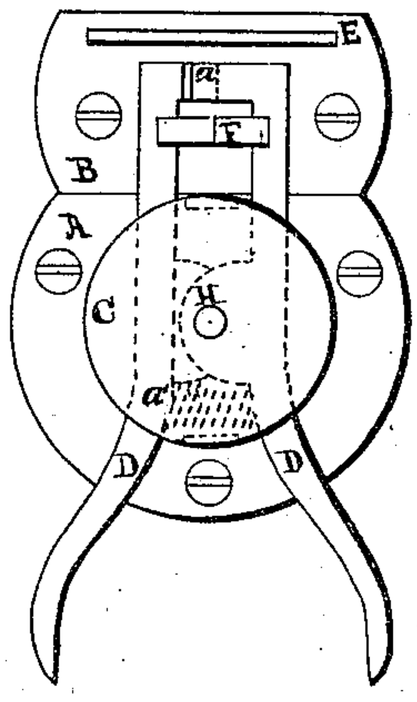


Fig. 2.

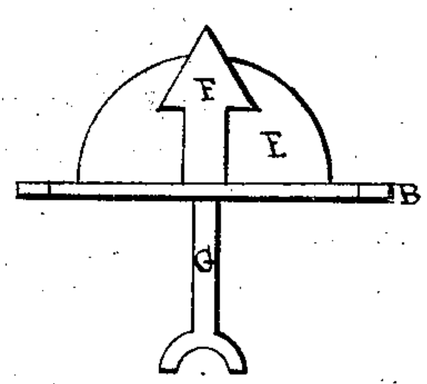
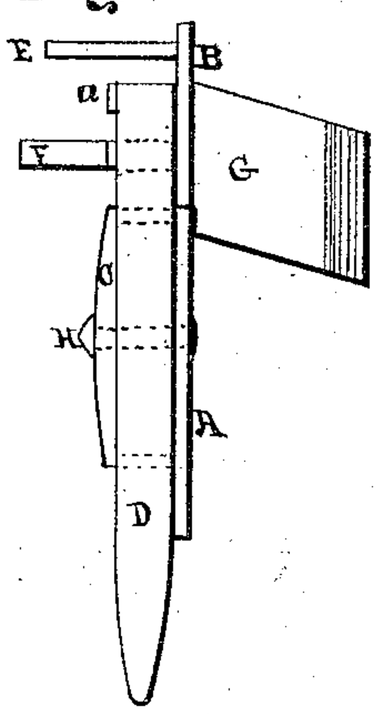


Fig. 3.



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DE WITT C. GOODRICH, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN FASTENERS FOR MEETING RAILS OF SASHES.

Specification forming part of Letters Patent No. **153,067**, dated July 14, 1874; application filed March 26, 1874.

To all whom it may concern:

Be it known that I, DE WITT C. GOODRICH, of Chicago, in the county of Cook and State of Illinois, have invented a new, useful, and Improved Window-Sash Lock or Fastening, of which the following is a full, clear, and exact description, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing forming a part hereof, and in which—

Figure 1 is a top or plan view of my improved fastening; Fig. 2, a front elevation of the parts applied to the upper or outer sash; and Fig. 3, a side elevation of the parts shown in Fig. 1.

Like letters of reference indicate like parts.

My invention consists in a novel arrangement and combination of parts, as will be hereinafter described, and then pointed out in the claim.

In the drawing, A represents a plate or disk attached to the inner or lower sash, and B a plate or disk attached to the upper or outer sash. The plate A partly laps the lower rail of the outer sash, and is opposite to, and flush with, the plate or disk B. C is a disk or cap, supported somewhat above the plate A by means of one or more standards or posts projecting vertically from the central part of the said plate. D D are bent arms or levers, turning freely on a pin, H, projecting from the part A, which pin passes through the central part of the said arms. The outer ends of the arms D D are rectangular, and one of them is provided with a projecting end lapping the upper face of the other, as shown at *a*. The inner ends of the arms D D are pressed apart by means of a spring, as represented by the dotted lines at *a'*, Fig. 1. E is a guard or fender, extending vertically from the part B, and arranged to shield the outer ends of the arms D D. F is a vertical post attached to the part B, and gained to receive the arms D D. The upper end of this post is wedge-shaped, as shown. G is a tenon, depending from the part B. I deem it preferable to provide the lower end of the part G with lateral extensions, as shown in Fig. 2. The part A and its attachments are securely attached to the upper cross-rail of the inner or lower sash, so that the plate A will slightly lap the upper face of the lower cross-rail of the upper or outer sash. The part B and its attachments are firmly fastened to the lower cross-rail of the outer sash in such a position that the post F will be engaged by the arms D D when the window is closed. In order to open the window the inner ends of the arms D D are pressed toward each other until they are released from their engagement with the post F. The lower sash may then be raised, and the upper sash may be lowered, and when the window is closed it will be automatically locked, for the reason that the arms D will then be pressed apart by the beveled end of the pin F, and ride below the shoulders thereon, thus preventing the window from being again opened until the arms D D are again pressed in the manner described. The window is thus made self-locking.

It will be observed by referring to Fig. 3 that the part G extends somewhat beyond the inner edge of the part B. The part G, by being provided with lateral extensions on its lower end, and by being mortised into the sash, not only secures the part B more firmly to the sash, but prevents the latter from being cut from the outside, in order that the arms D D may be operated upon for the purpose of opening the window from that side, and the parts A and G, by lapping each other in the manner shown, also prevent burglars' tools from reaching the arms D D through the joint between the meeting rails. The shield E and the projection *a* also render it difficult to reach the arms D D by cutting away the upper sash below the glass.

My improved catch, therefore, is not only self-fastening, but I also aim to render it burglar-proof.

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

The plate B provided with the beveled and notched vertical catch F, and with the shield E, arranged as shown, and with the tenon depending vertically from the lower face of the said plate, and having lateral extensions, in combination with the yielding arms D D arranged to engage the said catch, all substantially as shown and described, and for the purposes set forth.

DE WITT C. GOODRICH.

Witnesses:
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