G. B. ADAMS.

Fastener for Meeting-Rails of Sashes.

No. 159,880. Patented Feb. 16, 1875.

Fig. 1.

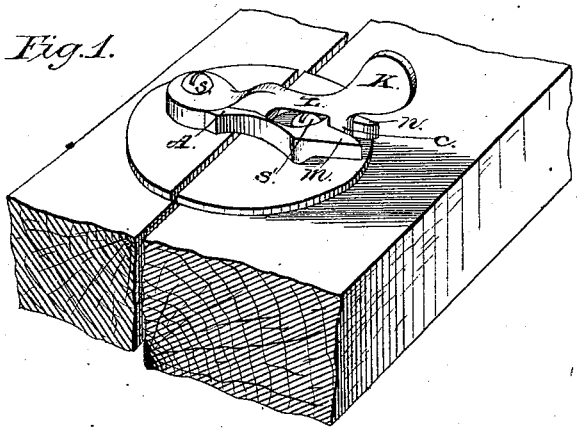


Fig. 2.

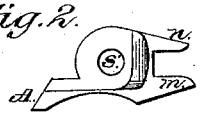
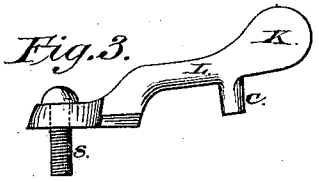


Fig. 3.



Attest:

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UNITED STATES PATENT OFFICE.

GEORGE B. ADAMS, OF NEWARK, NEW JERSEY, ASSIGNOR OF ONE-HALF HIS RIGHT TO EDWIN PUTNAM AND JOHN J. COWELL.

IMPROVEMENT IN FASTENERS FOR MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. **159,880**, dated February 16, 1875; application filed December 11, 1874.

To all whom it may concern:

Be it known that I, GEORGE B. ADAMS, of the city of Newark, in the county of Essex and State of New Jersey, have invented certain Improvements in Window-Fastenings.

My invention relates to that class of fastenings which are applied to the meeting-rails of the sash; and the chief novelty consists in the safety-arm provided with the prongs or actuating-arms, as will be hereinafter more fully set forth.

I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, which form a part of these specifications, in which—

Figure 1 is a top view, in perspective; and Figs. 2 and 3 are outline detail views of the separate parts.

To enable those skilled in the art to which my invention relates the better to understand and construct the same, I will proceed to describe it more fully.

In Fig. 1, L is a lever, connected to the upper sash by means of a single screw, S, passing through both lever and plate. K is a knob or thumb-piece by which said lever is operated. The lower end of knob K extends below the lever L, and forms a catch, *c*, which engages with the safety-arm A, which arm is likewise secured to the lower sash by means of a single screw, S′, passing through both the arm and plate. One end consists of a single arm, A, which is thrown across the opening between the sash by the action of the catch *c* in closing the lever L. The opposite end is divided into two prongs or actuating-arms, *m* and *n*, sufficiently distant from each other to allow the catch *c* to pass between them. The catch *c*, coming in contact with the long prong, *m*, in closing, actuates the whole, and thus throws the safety-arm A across the opening between the sash, effectually preventing opening from the outside.

In unfastening the window, the catch *c* being in contact with the short prong, *n*, carries it before it until the catch *c* passes the end of the said prong *n*. By this action the safety-arm is withdrawn from across the opening, thus allowing the sashes to pass each other in opening or shutting the window.

In applying the fastening to a window, the screws S and S′ are placed at such a distance from each other that the catch *c* on the lever L will come in contact with the safety-arm A, between the prongs *m* and *n*, before reaching a line passing through the screws S and S′, thus causing it to bind and draw the sash firmly together, while the lever L, passing the said line, is held locked by its own action.

The advantages of my invention are obvious, in great simplicity of construction and in durability, there being no springs to wear out or become weakened; also in its economy, it being simple, easily constructed, and taking but two screws to apply it to the windows.

What I claim as new, and desire to secure by Letters Patent, is—

The pivoted safety-arm A, having prongs or actuating-arms *m* and *n*, in combination with the lever L, having catch *c*, all constructed, arranged, and operating substantially as described and shown, for the purpose set forth.

GEORGE B. ADAMS.

Witnesses:
S. PERIT RAWLE,
J. J. CARROLL.