E. G. FELTHOUSEN.

Fastener for Meeting-Rails of Sashes.

No. 161,020. Patented March 23, 1875.

Fig. 1.

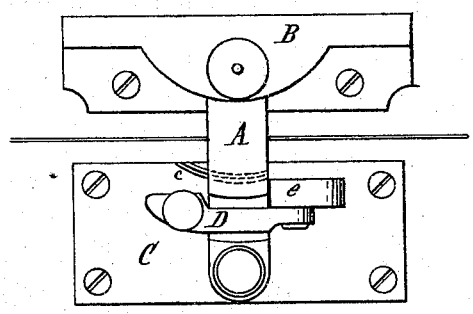


Fig. 2.

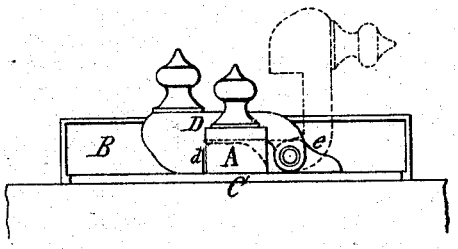
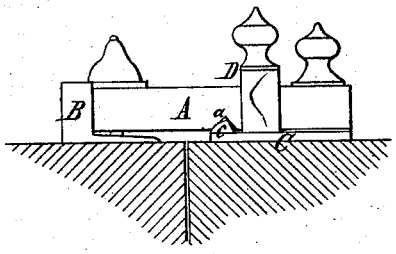


Fig. 3.



Witnesses

Jno. J. Bonner.

Edward Wilhelm.

Edward G. Felthousen Inventor

by Jas. Wyatt, Atty.

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

EDWARD G. FELTHOUSEN, OF BUFFALO, NEW YORK.

IMPROVEMENT IN FASTENERS FOR MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. **161,020**, dated March 23, 1875; application filed February 6, 1875.

To all whom it may concern:

Be it known that I, EDWARD G. FELTHOUSEN, of the city of Buffalo, in the county of Erie and State of New York, have invented certain Improvements in Sash-Locks, of which the following is a specification:

My invention relates to that kind of sash-fastenings known as meeting-rail sash-locks, which consist generally of an arm pivoted to the upper side of the meeting-rail of one sash, so as to swing horizontally and project over the opposite rail of the other sash.

The object of my invention is to protect the locking-arm against movement by an instrument from the outside inserted between the meeting-rails for the purpose of unlocking the sash; and with this object in view, my invention consists of a gravity locking-catch, adapted to drop over the locking-arm, and provided with a suitable shoulder to prevent the arm from being returned, as will be hereinafter more fully set forth.

In the accompanying drawings, Figure 1 is a plan view of a sash-fastening provided with my improvements. Fig. 2 is a front elevation, and Fig. 3 a side elevation, thereof.

Like letters of reference designate like parts in each of the figures.

A represents the locking-arm of the fastening, pivoted to a bearing-plate, B, secured by screws to the top of the meeting-rail of the upper sash, in a common manner. C is a plate secured to the opposite meeting-rail, and provided with a curved ledge, *c*, with which a notch, *a*, on the under side of the locking-arm engages as it is swung around, for the purpose of drawing the sash together to prevent rattling of the same, which is, however, an old feature of construction. D is my gravity locking-catch, pivoted to an upwardly-projecting lug, *e*, cast with the plate C. The catch D is provided with a jog or locking-shoulder, *d*, and its end or face is beveled on the under side, so as to cause the locking-arm, as it is swung around, to strike against this incline and swing upward the catch, until the arm has reached its locking position and passed the shoulder *d*, when the catch descends to its former position and locks the arm, as clearly shown in Fig. 2.

As represented in the drawing, the upper side of the arm A, at the point where it engages with the catch D, is recessed and beveled off, so as to facilitate its engagement with the catch and render the device more compact. The lug *e*, which forms the bearing of the catch D, also serves as a stop to arrest the movement of the arm A, when it has arrived at its proper locking position. The locking-arm is readily released by raising the catch D with one finger, when the arm can be readily swung around from disengagement with the meeting-rail in the common manner.

What I claim as my invention is—

The combination, with the pivoted arm A, of the gravity locking-catch D, pivoted to lug *e*, and provided with a suitable shoulder, *d*, substantially as and for the purposes hereinbefore set forth.

EDWARD G. FELTHOUSEN.

Witnesses:

JNO. J. BONNER,

EDWARD WILHELM.