

J. D. SHEWELL.

Fastenings for Meeting-Rails of Sashes.

No. 145,972.

Patented Dec. 30, 1873.

Fig. 1

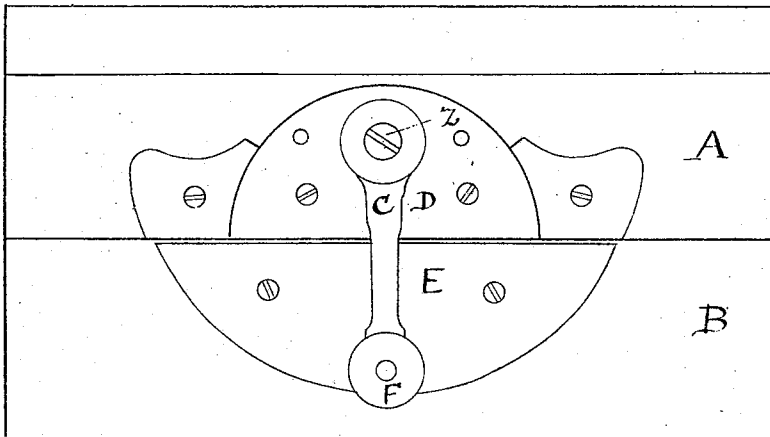


Fig. 2

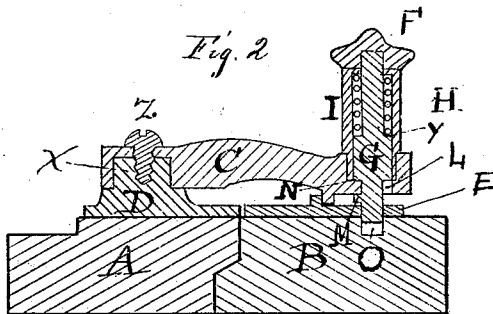
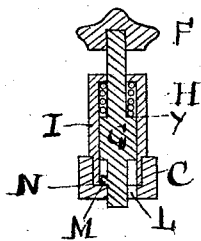


Fig. 3



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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN FASTENINGS FOR MEETING RAILS OF SASHES.

Specification forming part of Letters Patent No. **145,972**, dated December 30, 1873; application filed November 15, 1873.

To all whom it may concern:

Be it known that I, JOHN D. SHEWELL, of Boston, in the county of Suffolk, State of Massachusetts, have invented a certain new and useful Improvement in Sash-Locks; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a plan of my invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a vertical sectional view of the locking-bolt and its operative mechanism.

My invention relates to that class of window-fasteners or sash-locks which are attached to the upper stile or sash, and fasten the window by swinging around over the lower stile at the center of the window. It consists in a bolt provided with a dog or projection, which serves to lock or fasten the bolt in the plate on the stile of the lower front sash of the window, and also to lock the bolt when raised to its highest position in the swinging lever in which it is disposed, as hereinafter more fully described, the object being to furnish a neater and more effective device of this nature than has heretofore been produced.

In Fig. 1, A is the upper stile or sash, to which is attached the plate D, having a projection or stud, X, Fig. 2, on which the lever C is arranged to swing, being kept upon the stud by the screw Z. In Fig. 2, G is the pin or locking-bolt, having the dog or projection M, and being provided with the spring H and knob F. The lower end of the coiled spring H rests upon the shoulder Y of the bolt G, its upper end being against the inside of the head of the thimble or casing I, as shown in Fig. 3, which casing is made fast in the end of the lever C. Through the plate E, and into the stile B, there is a hole, O, drilled, to receive the lower end of the bolt G. The fastener is represented in Figs. 1 and 2 as locked, and in Fig. 3 as unlocked.

The operation of my invention is as follows: The fastener being locked, as in Fig. 2, to unlock the same preparatory to opening the window, grasp the knob F between the thumb and

forefinger and turn the bolt G half-way around; then raise it, as seen in Fig. 3, and turn it back again, or so that the dog M will rest upon the shoulder N. The hole through the end of the lever C is slotted, as seen at L, Figs. 2 and 3, to permit the passage of the projection M back and forth in the process of locking and unlocking the fastener. The bolt being now raised, as shown in Fig. 3, the lever can be swung around to the right or left on the screw Z, and off from the plate E, thus allowing the window to be opened. When it is required to fasten the window again, swing the lever C back to the position shown in Fig. 1, and turn the bolt G until the projection M comes over the slot 4, when the expansive action of the spring H will force the bolt downward into the hole O. If, now, the knob F is turned half-way around, the dog M will be brought into the position seen in Fig. 2 and the fastener locked, as the stud X and screw Z prevent the lever C from being raised sufficiently to throw the lower end of the bolt G out of the hole O while in this position.

I am aware that a patent was granted to Brockseiper and Sargent, dated May 11, 1858, and numbered 20,238, for an improvement in sash-locks; also, that Emery Parker filed an application April 25, 1868, for Letters Patent for an improvement in sash-locks, which application was rejected; but the devices described in said patent and in said rejected application are both essentially different from mine.

I therefore do not herein claim anything found or described in said patent or said rejected application, wherein and of itself considered; but

What I do claim is—

The locking-bolt G, provided with the projection or dog M, adapted to lock it in two positions, in combination with the lever C, spring H, casing I, shoulder N, and plate E, substantially as and for the purposes specified.

JOHN D. SHEWELL.

Witnesses:

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