A. Bingham,

Window Latch.

No. 63,988. Patented Apr. 23, 1867.

Fig 1.

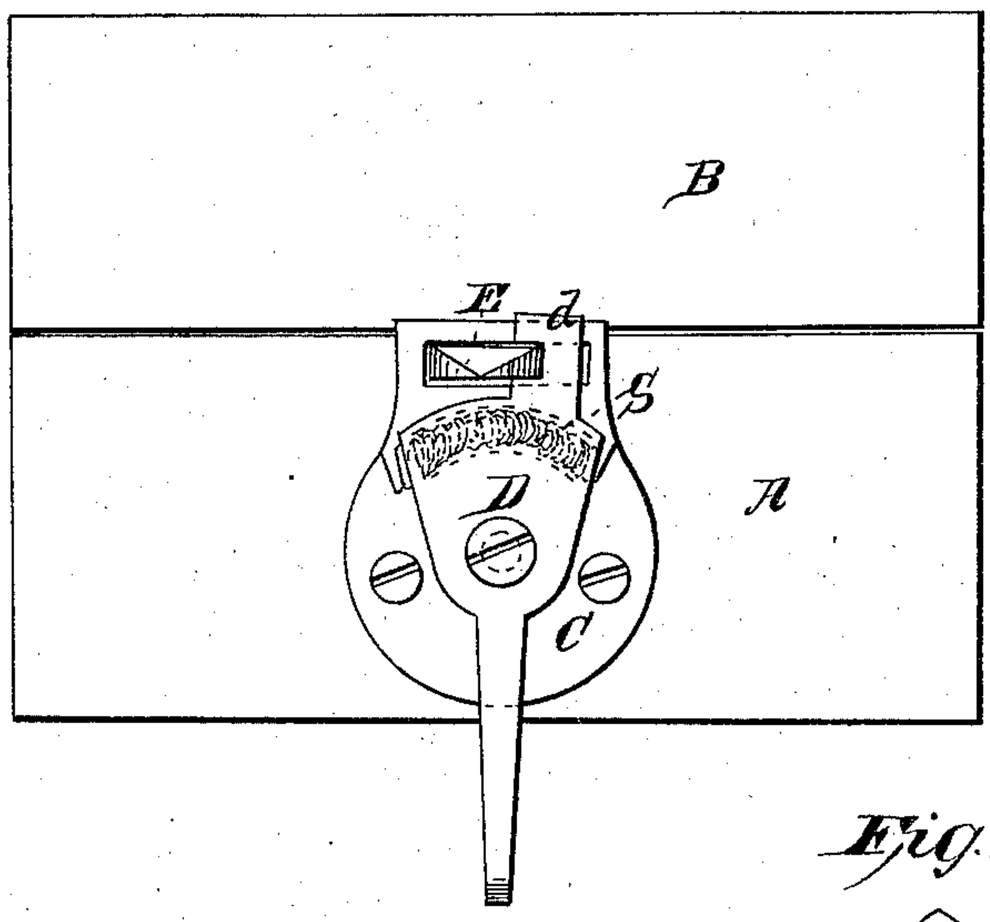


Fig 2.

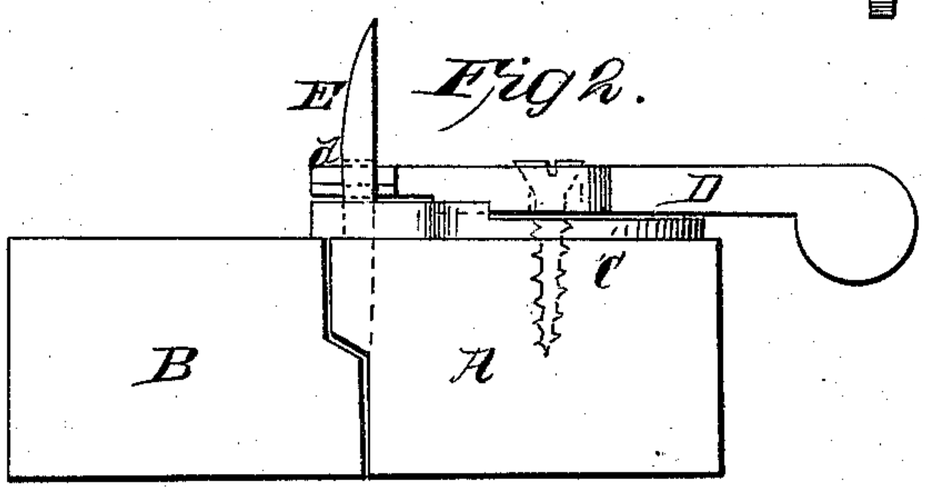


Fig 3.

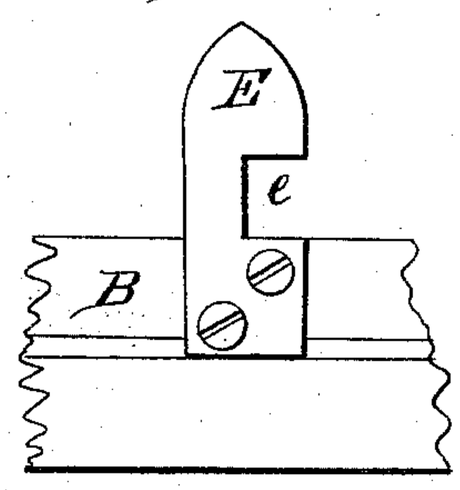
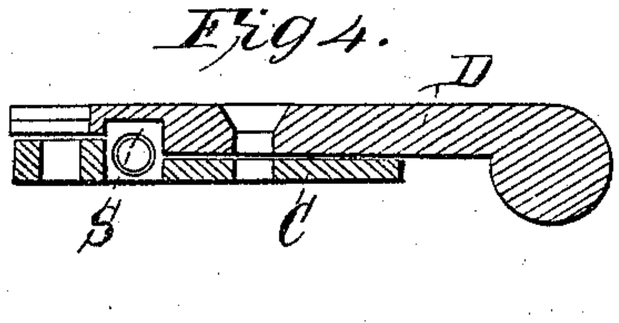


Fig 4.



Witnesses.

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ALBERT BINGHAM, OF NEWTONVILLE, MASSACHUSETTS.

Letters Patent No. 63,988, *dated April* 23, 1867.

IMPROVED WINDOW-LATCH.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, ALBERT BINGHAM, of Newtonville, in the county of Middlesex, and State of Massachusetts, have invented an Improved Window-Latch, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a plan view of a latch as applied to the sash.

Figure 2 is a side view of the same.

Figure 3 is a view of the catch; and

Figure 4 is a section of the lever and plate to which it is attached, and the catch.

The object of my invention is to provide a latch for a window-sash which shall be automatically fastened when closed, which cannot be forced open from the outside, and also which will operate to draw the upper and lower sashes together when closed, so that they will not rattle or jar; and the invention consists in the employment of a lever, in connection with a spring placed in a recess in the plate on the lower sash, in combination with a catch which is bevelled on three of its sides and attached to the upper sash

Referring to the drawings, A represents a part of the lower, and B that of the upper sash. On the upper part of the lower sash A is a plate, C, of the form shown in fig. 1. It is provided with a curved slot in which is placed a coiled spring, S, as indicated in dotted lines in fig. 1, one end of which presses against a projection on the under side of the lever D, to keep it in a closed position. A portion of the lever C extends forward to the inner edge of the sash, as shown at *d*, and fits within a recess, *c*, in the catch E, by which the latter is fastened. The lever D is pivoted to the plate C, and the latter is provided at its forward end with an oblong slot through which the catch E passes when the sash is closed. The catch E on the upper sash is bevelled on its two sides or edges and its rear, and the sashes, where they meet, are formed with inclined shoulders or offsets which fit one within another, or they may be formed with inclined edges, so that, as the slotted portion of the lever is brought down over the catch E, its bevelled surface at the rear will cause the two edges of the sash to be drawn towards each other, and thus securely close them.

The operation is as follows: When the lower sash is to be raised, or the upper one lowered, the outer end of the lever is pressed to one side with the finger, which releases the catch, and when the sash is raised the lever resumes its position. Upon closing the window the slotted portion of the lever will pass over the pointed or bevelled catch E, by which it is pressed back until it comes to the notch *e*, when the spring will cause it to enter the said notch, thus automatically and securely fastening the window without any manipulation on the part of the person closing the window, and preventing the same from being accidentally left unfastened at any time.

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

The combination of the lever D, the slotted plate C, the spring S, and bevelled catch E, the whole forming an automatic window-latch applied and operating as above set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALBERT BINGHAM.

Witnesses:

J. H. ADAMS,
DAVID KELLEHER