E. W. BRETTELL.

Sash-Fastener.

No. 167,822. Patented Sept. 21, 1875.

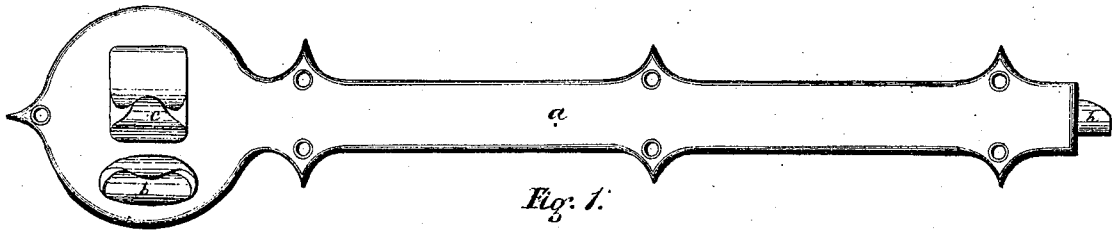

Fig. 1.

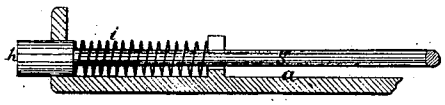

Fig. 5.

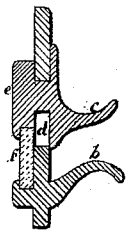

Fig. 4.

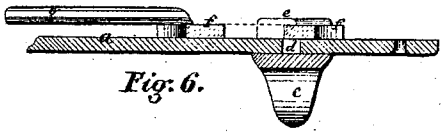

Fig. 6.

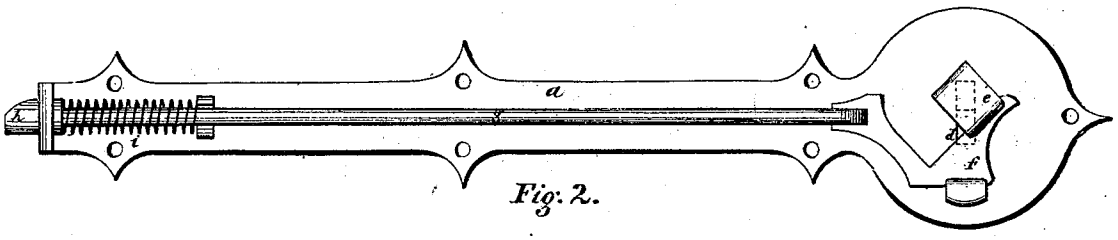

Fig. 2.

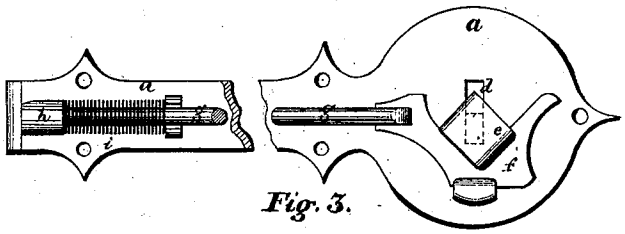

Fig. 3.

Witnesses.

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K. Lisle Fleming.

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UNITED STATES PATENT OFFICE.

EDWARD W. BRETTELL, OF ELIZABETH, NEW JERSEY, ASSIGNOR TO HENRY L. FLEMING, OF SAME PLACE.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **167,822**, dated September 21, 1875; application filed March 11, 1875.

CASE B.

To all whom it may concern:

Be it known that I, EDWARD W. BRETTELL, of the city of Elizabeth, in the county of Union and State of New Jersey, have invented an Improvement in Sash-Latches for car and other windows, 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 shows an outside view of the plate; Fig. 2, an inside view of the same; Fig. 3, the bolt withdrawn; Fig. 4, a transverse section, and Figs. 5 and 6 show each a longitudinal section.

My invention consists of a novel contrivance by which the bolt is immediately withdrawn when an effort is made to open or close the window, as will be hereinafter more fully explained.

a represents a metal plate cast in any desired shape, which is attached to the lower portion, and extends from the center to one side of the sash. On the outside of the plate is the usual pull-hook *b*, and directly above the same is the hooked knob or thumb-piece *c*, as shown in Fig. 1, with a slide moving through the slot *d*, and operating the guide *e* in connection with the V-shaped slide *f*, rod *g*, bolt *h*, and spring *i*, on the inner and opposite side of the plate, as shown in Fig. 2, the wood beneath being recessed, so as to admit the different parts and allow the free working of the same.

To open or close the window the forefinger is placed under the hook *b*. The knob *c* being depressed by the thumb, the guide passes downward along one of the inclined edges of the V-shaped slide *f*, causing it to recede and withdraw the bolt, as shown in Fig. 3, allowing the sash to be moved as required. The thumb being removed, the knob, slide, and bolt are returned to their former position by the action of the spring, requiring but one hand to complete the operation.

I claim—

The knob *c*, guide *e*, and V-shaped slide *f*, operating in connection with a spring-bolt, *h*, arranged and combined substantially as shown, for the objects herein set forth.

E. W. BRETTELL.

In presence of—

CHAS. E. MCMAHON,

N. LISLE FLEMING.