

G. L. BAILEY.

Improvement in Sash-Fasteners.

No. 115,147.

Patented May 23, 1871.

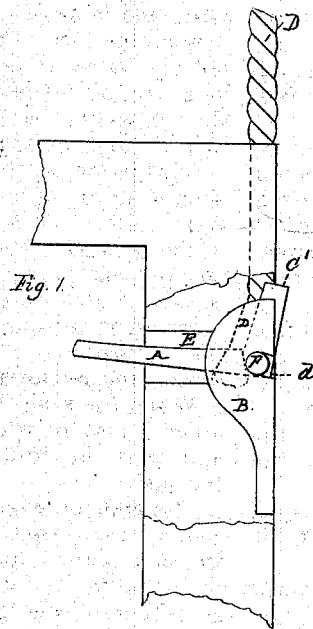
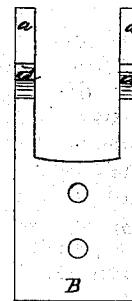


Fig. 2



Fig. 3



Witness.
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GILBERT L. BAILEY, OF PORTLAND, MAINE.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. 115,147, dated May 23, 1871.

I, GILBERT L. BAILEY, of Portland, in the county of Cumberland and State of Maine, have invented certain Improvements in the Mode of Attaching Cords to and Fastening Window-Sashes, of which the following is a specification:

My invention relates to the combination of the window-cord and sash-fastening in such a manner that said fastening shall be operated by the weight that balances the sash, the object being to provide a simple and sure fastening for sashes that are balanced by weights or springs.

In the accompanying drawing, Figure 1 is a front elevation of a section of a sash with the fastening attached, a portion of the sash being cut away, showing the manner of its application. Fig. 2 is a top-plan view of the lever-catch. Fig. 3 is a front view of the frame or case in which the lever works.

The fastening consists of two pieces, which may be cast into proper form in any suitable metal.

The lever-catch A is bent at nearly a right angle, about one inch from one end, and is reduced in size toward the other end, which passes through a mortise, E, in the sash, projecting about one inch in front of the glass. On each side, near the angle, is a trunnion, F, and through its widest part, just back of the trunnions, an opening, C, is made. The frame or case B in which the lever A has its bearing, is let into the outer edge of the sash and fastened with screws. In the front edge A of each side of the case B notches *d d* are cut to receive trunnions F F, said notches being of a depth sufficient to bring the face of the upright part C' of the lever, when in position, flush with the face of case B. The weight for balancing the sash of my invention

is attached to one end of the cord D; the other end is passed through or over the window-pulley, and through the opening C in lever A, and knotted on the under side. The long arm of the lever is then thrust through the mortise in the sash, and the trunnions F F into their bearings *d d*.

The action of the weight on lever A holds it securely in its bearings, and throws its upright part C' outward and into a niche cut in the window-frame at a point opposite the end of that part of the lever when the sash is closed, thus fastening it securely. A slight pressure on the long arm of the lever removes the upright part C' from the niche in the frame, and releases the sash.

When the sash is removed from the frame lever A may be withdrawn from its bearings, and thus the cord is readily detached from the sash.

The ends of lever A may be cut off and the central part used for attaching the cord to the sash only. For the upper sash lever A is reversed in its position, the opening for the reception of the cord being made in front of the trunnions, in the short arm of the lever, which projects downward instead of upward, as on the lower sash.

I claim as my invention—

The bent lever A C', furnished with an orifice or opening, C, for holding and securing one end of the sash-weight cord, the part C' serving also as a positive stop for the sash, all arranged and operating as herein described, and for the purpose set forth.

GILBERT L. BAILEY.

Witnesses:

T. T. SNOW,
W. W. COLE.