

G. RICHARDS & F. D. FOWLER.

Sash-Fasteners.

No. 152,685.

Patented June 30, 1874.

Fig. 1.

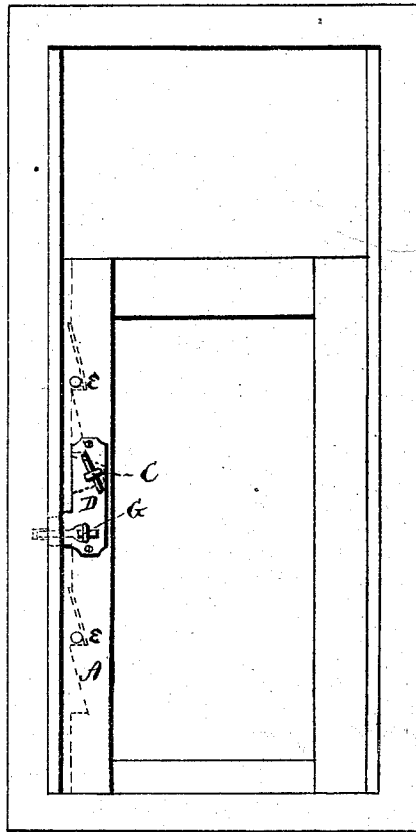
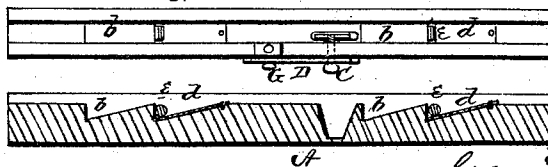


Fig. 2.



Fig. 3.



WITNESSES.

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GEORGE RICHARDS AND FRANKLIN D. FOWLER, OF RICHLAND CENTRE,
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IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **152,685**, dated June 30, 1874; application filed
April 25, 1874.

To all whom it may concern:

Be it known that we, GEORGE RICHARDS and FRANKLIN D. FOWLER, of Richland Centre, in the county of Richland and in the State of Wisconsin, have invented certain new and useful Improvements in Sash Supporter and Lock; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention relates to a sash-holder, consisting of a strip provided with projections and springs, used in combination with corresponding recesses in a groove in the sash, having rollers, and an arm and a thumb-piece passing through an inclined slot in a plate on the face of the sash, all as hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front view of a window frame and sash embodying our invention. Fig. 2 is a side view of the strip, and Fig. 3 shows the construction of the edge of the sash.

The object of our invention is to secure the sash at any given point that may be desired; also, to exclude the air during the winter, and also at night when the window is closed. To obtain this result a groove is cut in the sash A, and in said groove is placed a wooden strip, B. The strip B is on its inner side provided with two or more wedge-shaped projections, *a a*, of suitable length, which may be either formed on or attached to the strip. Corresponding notches *b b* are made in the bottom of the groove in the sash, and immediately above each of these notches is another wedge-shaped notch, *d*, in which is placed a small roller, *e*, made of wood or metal. The

notches *d d* are lined with metal, so that the inclined planes will not become injured by the rollers. At each end of the strip B is a coiled spring, *i*, held to its place by means of a metal plate, *h*, screwed or riveted to the wooden strip B. The strip B is provided with an arm, *f*, from which a knob or thumb-piece, C, extends through the front of the sash, and through an inclined slot in a plate, D, attached to the sash. Inside of this plate is an ordinary bolt, G, to lock the window at night.

By pressing upward on the thumb-piece C, the strip is moved upward in the groove in the sash, and the projections *a a*, pressing against the rollers *e e*, in connection with the springs *i i*, force the strip at the same time outward from the sash against the window-casing E, and this causes the window-sash to be crowded to the other side of the casing, and thereby holds the sash at any desired height, as well as, when the window is down, excluding all dust and draft. The plates *h* prevent the springs *i i* from catching in the grooves in the sash.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The strip B, provided with wedge-shaped projections *a a* and springs *i i*, in combination with corresponding recesses *b b* in a groove in the sash A, rollers *e e*, and the arm *f*, with thumb-piece C, passing through an inclined slot in the plate D, substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 8th day of April, 1874.

GEO. RICHARDS.
F. D. FOWLER.

Witnesses:

H. A. EASTLAND,
WM. CROW.