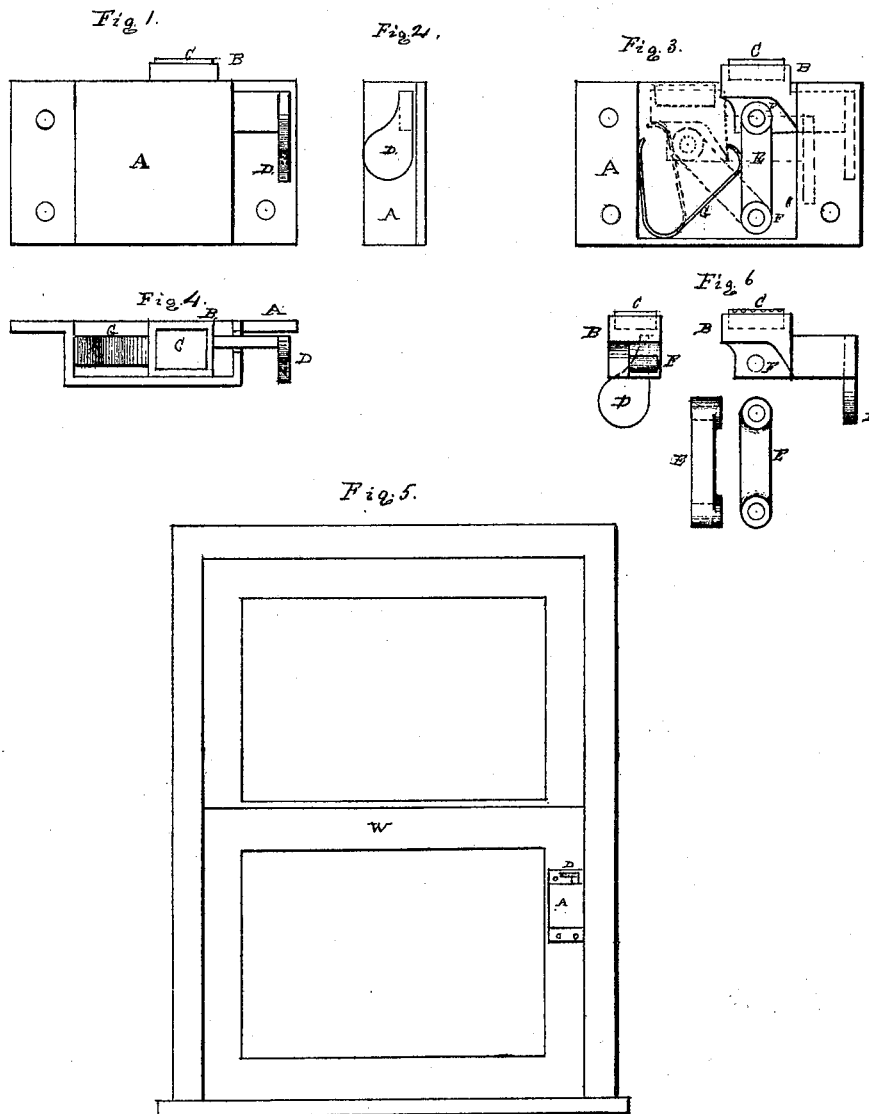


*P. B. Hovey,*

*Sash Holder.*

*No. 112,812,*

*Patented Mar. 21. 1871.*



Witnesses  
*E. S. Sisk*  
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# United States Patent Office.

PHILO B. HOVEY, OF NEW LONDON, CONNECTICUT.

Letters Patent No. 112,812, dated March 21, 1871.

## IMPROVEMENT IN SASH-HOLDERS.

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

I, PHILO B. HOVEY, of the town and county of New London, State of Connecticut, have invented certain Improvements in Window-Fastenings, of which the following is a specification.

This invention relates to that class of fastenings which is provided with an inclosing-case, and is attached to the framing of the sash to be supported, the support being derived from the friction of fastening against the casing or framing surrounding the window or their equivalent.

In the drawing accompanying and forming a part of this specification are given several views illustrating my improvement.

In all drawings like letters refer to like parts.

A represents the inclosing-case.

B is a shoe or stop, provided with a thumb-piece, D, for moving it from the outside of the case.

E is a hinge or connecting-piece, pivoted to the stop B at F, and to the case at F'.

Between the connecting-piece E and the side of the casing A is introduced the spring G.

The operation of the whole is as follows:

The entire fastening is attached to the face of the sash, or its equivalent, as shown in fig. 5, with the thumb-piece at the top.

When the sash is being raised the fastening offers no resistance, as the stop B slides freely on the casing.

When the sash has been raised to any desired point

and released from the hand, it is then prevented from descending by the operation of the fastening.

The spring G raises the stop B by its action on the part E, and presses it firmly against the casing. By the aid of friction the connecting part E is brought to bear with great force against it, and the sash is held suspended.

To lower the sash the thumb-piece is pressed down, which relieves the pressure of the stop B, and the sash is lowered by hand.

At C in the stop B is inserted a piece of India rubber or other elastic substance. This may be inserted into a recess, as shown, or attached in any suitable manner.

The surface of this elastic piece may be either smooth or corrugated.

The fastening may be used either with or without this part. It is believed, however, that it will be found to add much to its efficiency.

I claim—

The combination of the friction-stop B, pivoted to the arm E, which arm is pivoted to the case at F, and forced upward by the spring G, the stop B being released from the window-frame by depressing the thumb-piece, all the parts being arranged as and for the purposes set forth.

Witnesses:

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