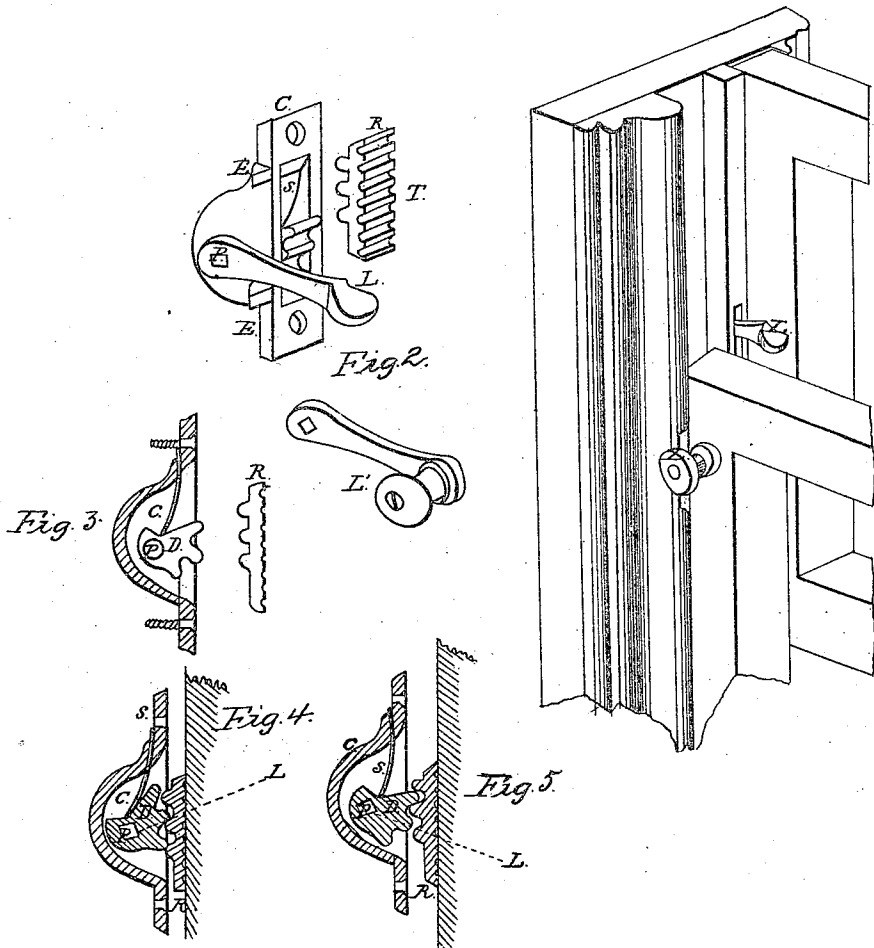


*J. Honsinger,
Sash Holder,*

No. 105,206;

*Patented July 12, 1870.
Fig. 1*



Witnesses.
Wm. B. Miller
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Inventor.
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JOSIAH HONSINGER, OF HARRISBURG, PENNSYLVANIA, ASSIGNOR TO
BENJAMIN HONSINGER, OF SAME PLACE.

Letters Patent No. 105,206, dated July 12, 1870.

IMPROVEMENT IN SASH-HOLDERS.

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

I, JOSIAH HONSINGER, of Harrisburg, in the State of Pennsylvania, have invented certain Improvements in a Sash-Holder for Windows, of which the following is a specification.

This invention consists, mainly, in the arrangement of a few simple parts, some of which are old, in such manner as to constitute a simple and efficient sash-holder.

The details of construction and manner of operation will be fully described hereinafter.

In the drawing—

Figure 1 represents a perspective view of one side of a window, to the sashes of which my improved holder is applied;

Figure 2 represents the case of the holder, with the cam and lever in place, the loose rack being also shown in perspective;

Figure 3 represents an interior view of the case; and

Figures 4 and 5 represent views of the holder as applied to the sash.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and manner of operation.

C represents the case, which may be made in any suitable manner.

D represents the cam, which is provided with teeth, as shown, and pivoted at the point P in the case C.

S represents a flat metallic spring, the upper end of which is attached to the case C, and the lower end presses against the cam D.

R represents a toothed rack, one face of which is grooved, if desired, for the purpose of reducing the bearing surface.

L represents a lever, and L' a crank. These are attached to the shaft P of the cam, and serve to operate the latter, when desired.

The operation is as follows:

When the holder is in its usual position, the loose rack R is pressed against the sash, by means of spring S, through the medium of the cam D, as shown in fig. 5, and, consequently, it is impossible for it to be moved either up or down. By lifting the lever or crank, however, the cam D is turned inward, and the pressure is removed from the sash, and it may be moved in any desired direction.

I do not claim any of these parts, in themselves; but

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent of the United States, is—

The specific arrangement of a three-cogged cam, D, within a case, C, flat spring S, lugs E, and lever L, in combination with a loose three-cogged rack, R, all arranged and operating in the manner and for the purpose specified.

JOSIAH HONSINGER.

Witnesses:

Wm. B. WILEY,
JACOB STAUFFER.