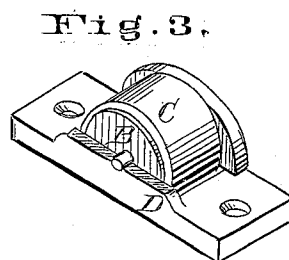
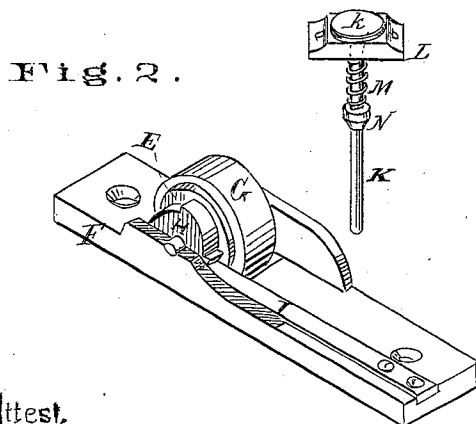
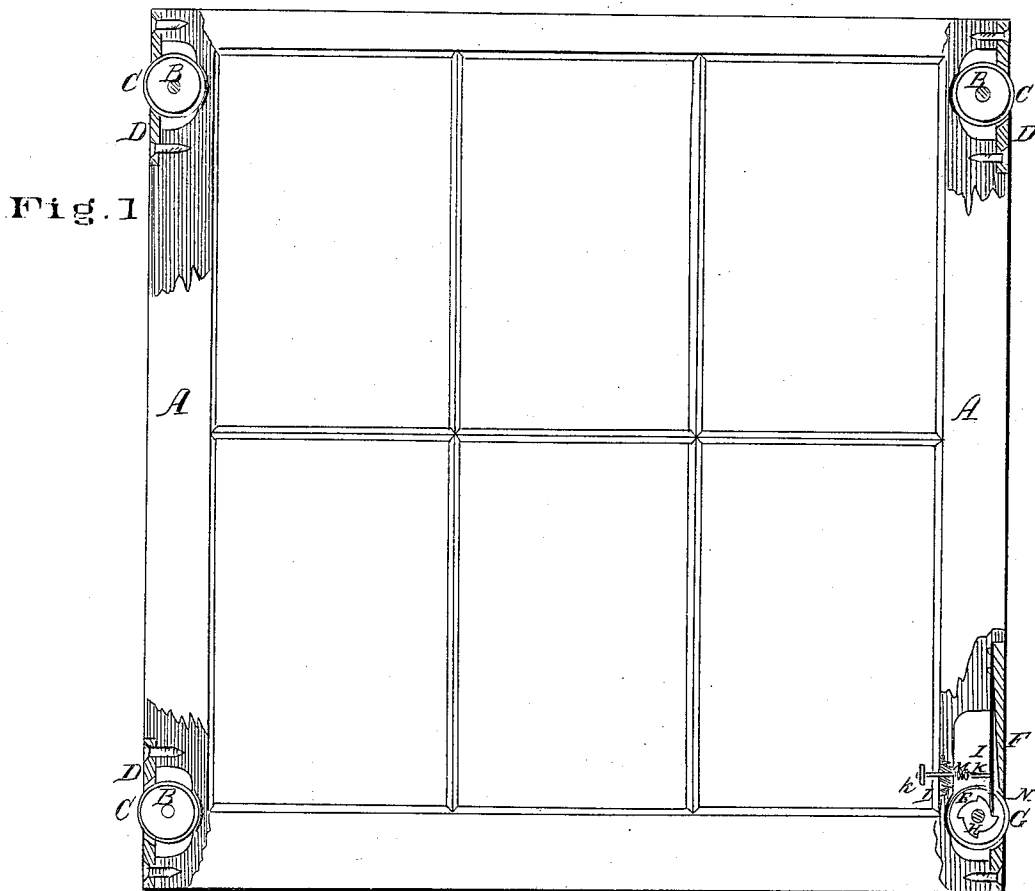


H. B. Snyder, Sash Holder

No. 93132.

Patented Jul. 27. 1869.



Attest.
James F. Birtwhistle
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HENRY B. SNYDER, OF CHERRY GROVE, OHIO.

Letters Patent No. 93,132, dated July 27, 1869.

IMPROVED SASH-FASTENER.

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

To all whom it may concern:

Be it known that I, HENRY B. SNYDER, of Cherry Grove, Hamilton county, State of Ohio, have invented certain new and useful Improvements in Sash-Fasteners; and I do hereby declare the following to be a sufficiently full, clear, and exact description thereof to enable one skilled in the art to which my invention appertains, to make and use it, reference being had to the accompanying drawings, making part of this specification.

The nature of my invention consists in so combining a spring-key with a spring-pawl, which acts upon a ratchet-wheel secured to one of the rubber-tired rollers of a window-sash, that the sash can be supported at any desired point in the frame, and yet, by a slight pressure on the head of the key, admit of the lowering of the same, as hereinafter more fully described.

In the accompanying drawings—

Figure 1 is an elevation of a window-sash, partly sectioned, in which my rollers and frames are secured.

Figure 2 is a detached perspective view of the combined rubber-tired roller, catch-device, and releasing-key.

Figure 3 is a view of a roller and frame without the catch-device.

A is an ordinary window-sash. I prefer to attach the combined roller and catch at the lower right-hand corner, and the plain rollers, fig. 3, at the other corners.

The rollers B have rubber tires or thick bands, C, firmly secured to their peripheries, and are suitably journaled in the frames D, which are secured to the sash by common screws, as shown.

The roller E is similarly journaled in the frame F, and is provided with rubber tire G.

To this roller a ratchet-wheel, H, is secured, into which the spring-pawl I engages.

This device, by permitting the roller E to revolve in but one direction, sustains or supports the sash when raised, and will not permit it to fall unless the spring-pawl is released.

To release this, I provide the key K, which slides through the plate L, the latter being secured to the inside of the sash, as shown.

Coiled spring M, between the plate L and the collar N, on the key K, serves to keep the end of the key always against the spring-pawl.

The key K is provided with a head, k, for the thumb or finger of the operator to act against in releasing the pawl.

The rubber tires of the rollers, when the roller-frames are in place, project so far beyond the face of the sash-sides, that when the sash is forced into place within its frame, the rubber is tightly compressed, and thus serves to prevent the sash from rattling loosely in the frame.

The rubber on roller E, inasmuch as the roller cannot revolve (when the catch is engaged) in such a direction as would be given it when the frame is falling, serves, by pressure on the sides of the frame, to act as a brake, and thus support, in almost any desired position, the weight of the sash.

I claim herein as new, and of my invention—

The spring-key K, arranged to operate directly upon spring-pawl I, in combination with ratchet-wheel H and rubber-tired roller E, arranged to operate substantially as and for the purpose set forth.

In testimony of which invention, I hereunto set my hand.

HENRY B. SNYDER.

Witnesses:

JOHN COFFEY,
C. P. BENNETT.