

W. W. AMOS.
Improvement in Sash-Holders.

No. 132,381.

Patented Oct. 22, 1872.

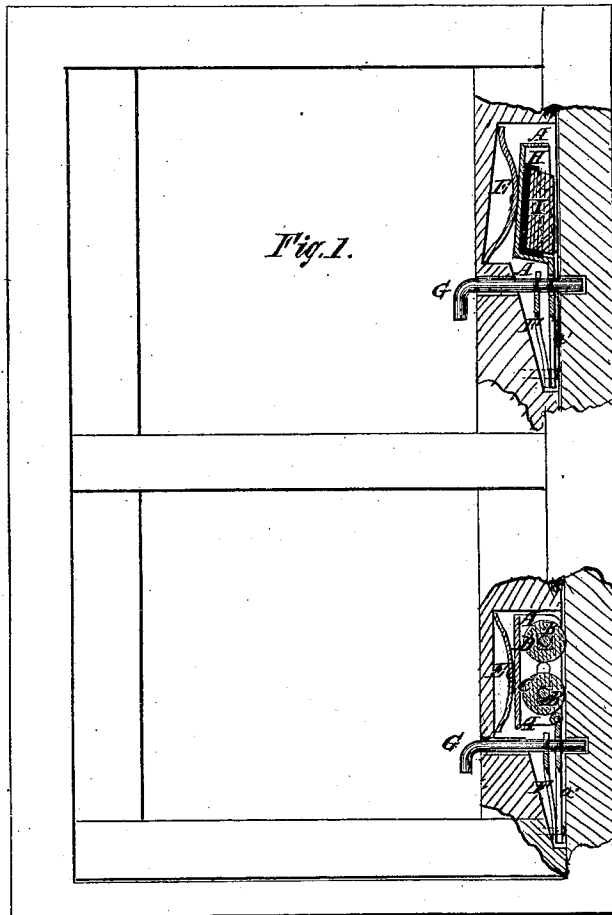


Fig. 2.



Fig. 3.

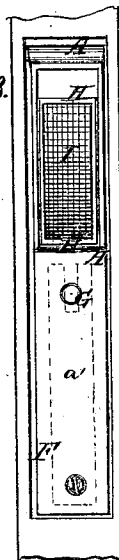


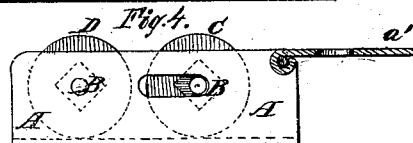
Fig. 6.



Fig. 5.



Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM WILSON AMOS, OF OLATHE, KANSAS.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. **132,381**, dated October 22, 1872.

CASE B.

To all-whom it may concern:

Be it known that I, WILLIAM W. AMOS, of Olathe, in the county of Johnson and State of Kansas, have invented a new and useful Improvement in Sash-Holder and Lock, of which the following is a specification:

Figure 1 is a detail sectional view of my improved sash-holder and lock, and a modification of the same shown as applied to the sashes of a window; Fig. 2 is a face view of the same; Fig. 3 is a face view of the modified form of the device; Fig. 4 is a side view of the device; Fig. 5 is a detail view of the lock-bolt spring; Fig. 6 is a detail side view of the lock-bolt.

Similar letters of reference indicate corresponding parts.

My invention has for its object to improve the construction of the sash-holder and lock, for which Letters Patent No. 125,161 were issued to me April 2, 1872, so as to make it simpler in construction and less expensive in manufacture, while being equally effective in use. The invention consists in a hinged box carrying a frictional device and provided with springs, as hereinafter fully described.

A is a metallic box, which is let into the sash and which has a long flange, *a'*, formed upon or hinged to its lower end. The flange *a'* extends down along and is let into the edge of the sash, where it is secured in place by a screw passing through its lower end. To the sides of the box A are pivoted the ends of two shafts, B, upon which are placed two rubber rollers, C D. The journals of the lower roller C revolve in short longitudinal slots in the sides of the box A, so that, as the sash is moved downward, it may be forced up against the upper roller D, and both may be forced by their compression, and by the pressure of the spring E against the window-casing, so as to hold the sash securely in any desired position. As the sash is moved upward the journals of the lower roller C drop into the lower ends of the slots, so that the sash may move up unobstructed. The spring E is attached to the

central part of the bottom of the box A, and rests against the bottom of the recess in which the said box is placed, so as to hold the rollers C D out against the window-casing by its elasticity. If desired, the upper roller D may be replaced by a block of rubber or other suitable material to be operated upon by the lower roller C in the manner hereinbefore described. The recess in the sash-rail, in which the flange *a* is secured, is made inclined and in its shallow lower end is secured the lower end of a spring, F, the upper end of which is forked to enter notches in the sides of the lock-bolt G, so as to hold the said lock-bolt forward by its elasticity. The bolt G passes through a hole in the sash-rail and in the flange *a'*, and its forward end rests against and slides upon the window-casing, so as to enter a hole or holes formed in said casing in the position or positions in which it is desired to have the sash locked.

In the modified form of the holder, the box A is made inclined or tapering and in it is placed loosely a small box, H, in which is placed a tapering rubber block, I. The box A, and its contents, is held out against the casing by the spring E. With this construction, when the sash is being lowered, the friction of the window-casing upon the rubber block I forces the said rubber block and its sliding box or case H upward into the shallower part of the tapering box A, so that the rubber block I will hug the casing and thus support the sash by friction.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of hinged box A, carrying a suitable frictional device, with springs E F, arranged, constructed, and operating substantially as and for the purpose described.

WILLIAM WILSON AMOS.

Witnesses:

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