

(No Model.)

H. RUSSELL.
SASH LOCK.

No. 580,330.

Patented Apr. 6, 1897.

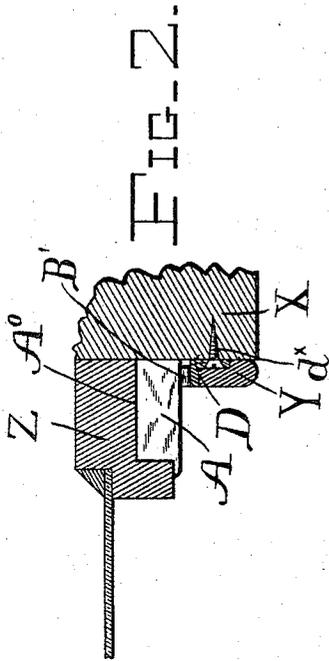


FIG-3.

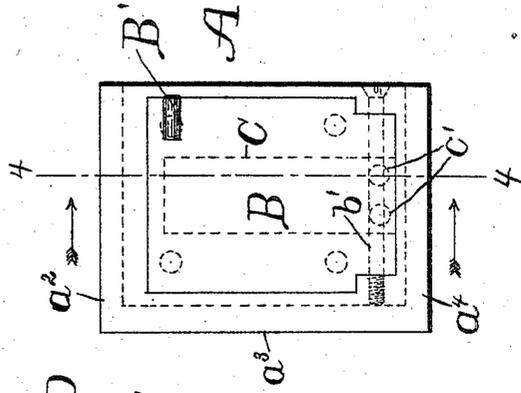
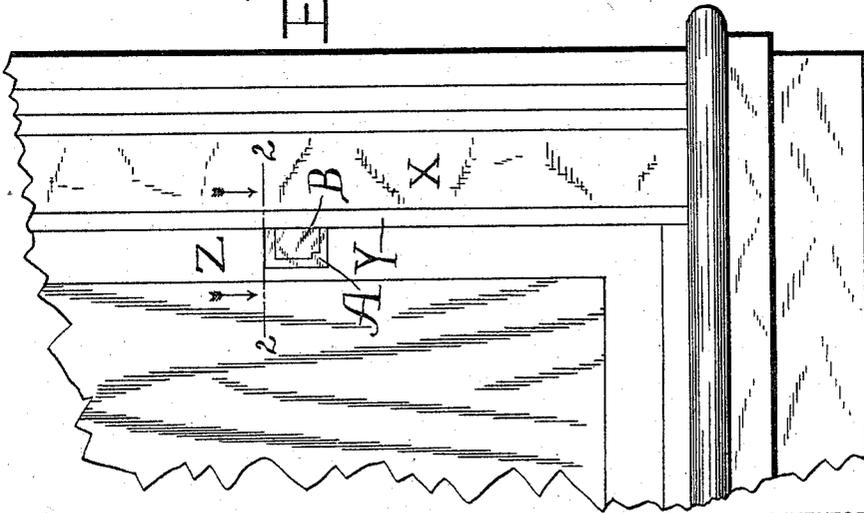
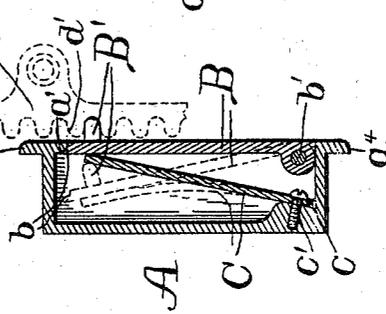


FIG-1.

FIG-4.



WITNESSES

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UNITED STATES PATENT OFFICE.

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SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 580,330, dated April 6, 1897.

Application filed September 14, 1896. Serial No. 605,802. (No model.)

To all whom it may concern:

Be it known that I, HERMAN RUSSELL, a citizen of the United States, residing at Denver, in the county of Arapahoe and State of Colorado, have invented a new and useful Improvement in Sash-Locks, of which the following is a specification.

My invention relates to improvements in window-sash fasteners and supports; and it consists of the novel features hereinafter described and claimed.

My invention will be understood by reference to the accompanying drawings, wherein the same parts are indicated by the same letters throughout the several views.

Figure 1 represents a partial view of a window frame and sash, showing my sash fastener and support as it appears when in use. Fig. 2 is a section taken on the line 2 2 in Fig. 1 and looking in the direction indicated by the arrows. Fig. 3 is an enlarged detail front elevation of the sash fastener and support, the inner dotted lines indicating the spring; and Fig. 4 is a vertical section through the casing shown in Fig. 3, taken on the line 4 4 in the said figure and looking in the direction of the arrows, the spring and door being shown in dotted lines in the open position of the latter.

A represents a metal box or casing having a plate or door B hinged thereon at one end, either at the top or bottom, but preferably at the bottom, by means of a bolt b' , as shown in Figs. 3 and 4. This hinged plate or door B has rigidly mounted thereon to one side a projecting lug or latch B' . A spring C is mounted within the box or casing A and tends to hold the hinged plate or door B shut, as shown in full lines in Fig. 4. This spring may be of any suitable shape, and may be either a flat spring, as shown in the drawings hereto annexed, or a coil-spring, but the flat spring is preferred, as being simpler and less expensive. This spring is secured at one end, as at c in Fig. 4, by means of screws c' or other suitable means to the back wall of the box or casing A.

The swinging end of the hinged plate or door B is beveled or hollowed out at the outer edge, as shown at b in Fig. 4, to strike against a projecting portion a' of the casing A, which forms a stop to prevent the said end of the

door from swinging outward too far. This stop may be of any other suitable construction, and in place of the projection a' a cross-rod or bolt or other equivalent construction may be used, if preferred.

D represents a toothed or corrugated metal bar which is secured to the window-frame X by means of screws d^x , as seen most clearly in Fig. 2. This toothed or corrugated bar D is attached to the window-frame X before the strip Y is put on, and this strip Y when in position almost completely conceals the metal bar D, as seen in Fig. 2. In Fig. 4 a portion of this bar D is indicated in dotted lines.

The box or casing A is fitted into a recess or opening A^0 in the window-sash Z, and the lug or catch B' on the hinged door B comes immediately behind the toothed face of the bar D and is adapted to engage between the teeth d' on said bar, as seen in Fig. 4.

The casing A may be secured to the sash Z by means of screws through the rear wall thereof or by means of screws passing through the flanges a^2 , a^3 , and a^4 around said casing.

When in its normal position, the hinged door or plate B will be flush with the front of the casing A, and when it is desired to release the catch for the purposes of raising or lowering the window-sash the hinged plate or door may be pushed inward with the thumb or finger, and the catch B' , swinging inward, will become released, and the sash may be raised or lowered, as desired.

By doing away with the necessity for any knob or handle for operating the catch and by having the bar D concealed, as above described, it will be seen that a very strong and efficient sash support and fastener is produced and one that will not have the objection of unsightliness, such as many fasteners of a similar nature now in use.

The many advantages of my construction will readily suggest themselves to any one and need not be dwelt upon.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

In a window-sash fastener and support, the combination with a metallic bar secured to the inside of the frame of the window, provided with openings in one face thereof opposite the inner side of the sash, and covered

by a strip attached to the window-frame along-
side of said sash; of the metallic box or cas-
ing A fitting into a recess in the inner face
of the sash at the edge thereof and extend-
5 ing somewhat outside the face of said strip;
the flat plate B hinged at *b'* within the front
of said casing, and carrying the protruding
lug or catch B' at its inner edge opposite the
10 openings in said bar, and extending beyond
the face of said strip sufficiently to be pressed
upon by the finger or thumb of a person; a

spring mounted in said casing and pressing
said plate outward; and a stop on said casing
limiting the outward swing of said plate, sub-
stantially as described. 15

In testimony whereof I affix my signature
in presence of two witnesses.

HERMAN RUSSELL.

Witnesses:

W. E. RUSSELL,
S. H. DENT.