

B. Hotchkiss,

Sash Lock.

No. 112,042.

Patented Feb. 21, 1871.

Fig. 1.

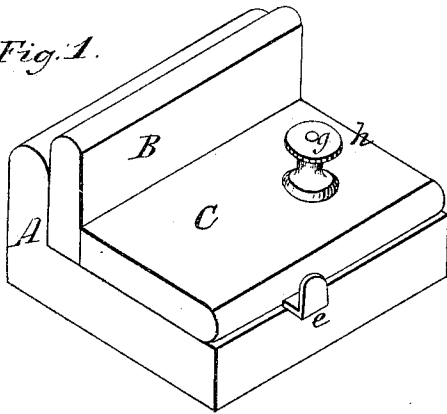


Fig. 2.

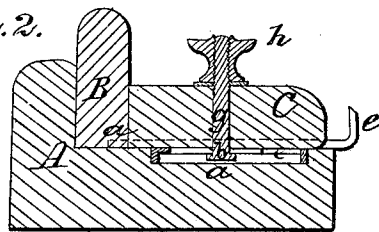


Fig. 6.

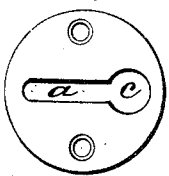


Fig. 5.

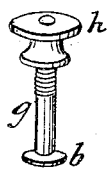


Fig. 3.

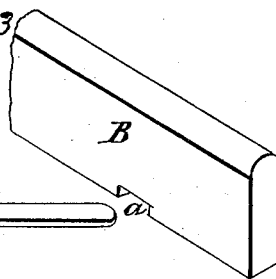
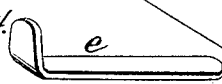


Fig. 4.



Witnesses.

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BENNET HOTCHKISS, OF NEW HAVEN, CONNECTICUT.

Letters Patent No. 112,042, dated February 21, 1871.

IMPROVEMENT IN WINDOW-SASH LOCKS.

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, BENNET HOTCHKISS, of the city and county of New Haven and State of Connecticut, have invented a new and useful Improvement in Window-Sash Fasteners or Stoppers; and I do hereby declare that the following is a full, clear, and exact description of the construction, character, and operation of the same, reference being had to the accompanying drawing which makes part of this specification, in which—

Figure 1 is a perspective view of the window-frame, stay-casing, and fastener.

Figure 2 is a section of the same, cut horizontally through one of the knobs and its appendages.

Figure 3 is a perspective view of a section of the sash, showing one notch or recess by which it is to be fastened.

Figure 4 is a perspective view of the slide which fastens the sash at any desired elevation.

Figure 5 is a perspective of one of the screw-bolts and knobs by which I adjust the stay-casing to the sash.

Figure 6 is a plan or form into which the inner end of the bolt passes and operates.

Similar letters of reference designate like parts.

I make the window-frame, as A, figs. 1 and 2, in any of the usual ways calculated for weights, springs, or otherwise; but I fit on each side two or more recessed slotted plates, as represented in fig. 6, through which the solid end of the screw-bolt, fig. 5, passes, as indicated at *a*, fig. 2, so that the enlarged end or head of the bolt will pass through the enlarged or circular part of the opening, as at *c*, fig. 6, and when closed up against the stile B of the lower sash, it will allow it to move up and down with freedom, yet without unreasonable looseness at any time.

I make the lower sash B in any of the usual ways, but in one or both of its stiles I make notches or recesses, as shown at *d*, to receive a slide or fastener, as shown in fig. 4, and indicated at *e*, figs. 1 and 2.

These notches *d* in the stile may be multiplied to any desired extent, and may be made on one or both sides.

I make the fastening or locking slide *e*, figs. 1, 2, and 4, substantially in the form shown in fig. 4, or in any other convenient form, so that it may fasten or lock the lower sash in any desired position.

I make the face-plate, shown in fig. 6, of cast-iron, or any other suitable material, and bore out the wood, so as to form a suitable recess for the head or enlarged part of the screw-knob, as indicated at *a*, fig. 2.

I make the screw-bolt *g*, figs. 1, 2, and 5, so that the head *b* will pass through the plate, fig. 6, at *c*, and then under or behind it, so as to hold the stay-casing of the lower sash in the desired position to the sash at any time; and on the outer end of this screw-bolt I turn or screw a knob or nut, as shown at *h*, figs. 1, 2, and 5.

Having made the several parts as before described, and fitted the requisite number of recessed plates, as fig. 6, I fit into the stay-casing of the lower sash two or more screw-bolts, as shown at *g*, figs. 1, 2, and 5, with their heads *b* and knob *h*, as before described.

I am aware that plans have been before proposed and patented for allowing the adjustment desired, but they are open to objections which mine avoid.

When an adjustment is made according to my invention, no new surface is uncovered on the face of the piece C, but however great the movement, the knob *h* retains the same position relatively to the surface on which it rests, and the movement is all on the under or concealed parts.

I claim—

The within-described construction of the slotted plate *a c*, adapted to fit in the window-frame, as shown, with a recess underneath for the head of the bolt to be adjusted backward and forward therein, in combination with the bolt *b g* and threaded knob *h*, as and for the purposes herein set forth.

BENNET HOTCHKISS.

Witnesses:

LYMAN L. SQUIRE,
R. FITZGERALD.