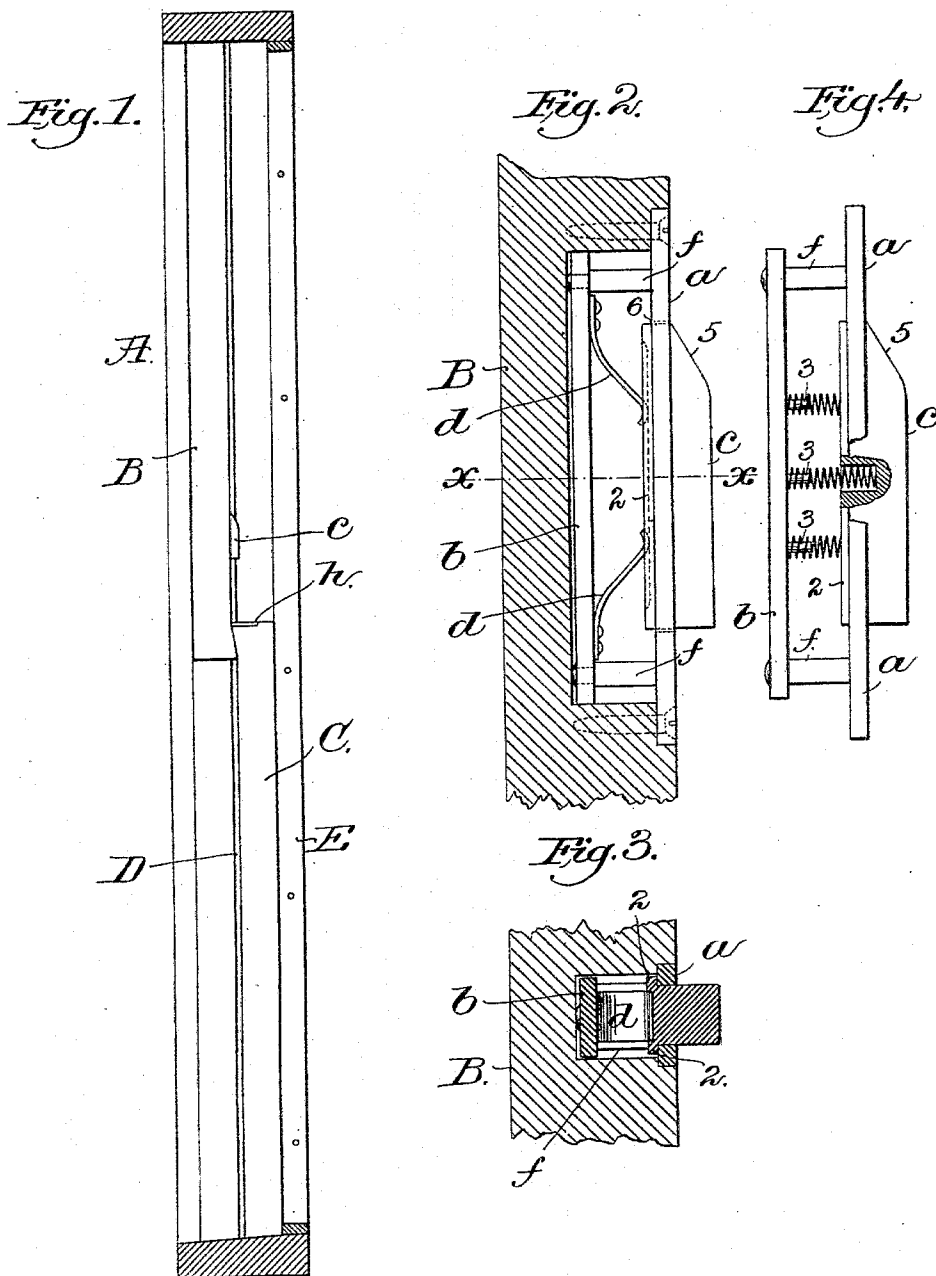


(No Model.)

W. R. WALKER.
SASH HOLDER.

No. 490,001.

Patented Jan. 17, 1893.



Witnesses.
John F. C. Prinkert
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UNITED STATES PATENT OFFICE.

WILLIAM R. WALKER, OF CONCORD, NEW HAMPSHIRE.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 490,001, dated January 17, 1893.

Application filed July 5, 1892. Serial No. 438,966. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. WALKER, of Concord, county of Merrimac, State of New Hampshire, have invented an Improvement in Sash Stops or Locks, of which the following description, in connection with the accompanying drawings, is a specification, like letters and figures on the drawings representing like parts.

This invention has for its object the production of a stop to restrict the elevation of a window sash.

Figure 1 shows part of a window casing with two sashes in place, my stop being applied to the upper sash; Fig. 2 is an enlarged section of the upper sash with my improved stop; Fig. 3, a section in the line *x*; and Fig. 4 is a modification.

The window casing A, the upper sash B, under sash C, parting bead D, and strip E, are and may be all as usual.

My improved stop is composed of a suitable face plate *a*, a connected back plate *b*, a block as *c*, and suitable supporting springs *d*. The front and back plates are separated one from the other sufficiently to leave a pocket or chamber to contain the springs and yet permit the block to be pressed back into it flush with the face of the state of the sash.

My invention is not limited to the exact shape shown for the frame part of the stop, or to the particular way of holding the same together, but herein I have shown as one form that the face has ears *f, f*, shouldered near their outer ends and reduced to enter holes in the back plate after which the ends of the ears are upset or riveted. The block *c* has suitable side flanges or projections 2, 2, see Fig. 3, which are normally kept pressed against the rear side of the face plate by the springs *d*, shown in Figs. 2 and 3, as leaf or flat steel springs.

In Fig. 4 I have shown three spiral springs for keeping the block pressed out of the case or frame, and the shoulders or projections against the back of the face plate. In this modification, the studs 3, 3, on the back plate act to guide and position the spiral springs, the ends of the springs entering holes in the block. The lower or acting end of the block is held substantially at right angles to the face plate *a* while the upper end of the block is inclined or beveled at 5, a portion 6 of the upper end of the stop when the latter is in its

normal outpressed working position, resting just in line with the face plate and preventing the lifting of the block without lifting the window. The top of the under sash is provided with a metal plate *h* to co-operate with the lower end of the block *c* and avoid injury to the under sash.

I have illustrated my invention as applied to the upper sash at, let it be supposed, about three inches from its lower end, and in such event the lower sash may be lifted for that distance, when it will be stopped in its upward movement. The downward movement of the upper sash would also be correspondingly limited. The upper end of the block *c* is inclined or beveled at 5. If it should be desired to lift the under sash for any greater distance, then the person to move the sash will push on the block until its lower end enters the frame flush with the face thereof. This will let the under sash be lifted. When lowering the under sash lifted above the block, the lower end of the sash strikes the beveled portion 5 of the block and presses the latter into the frame automatically. If the stop is located at the extreme lower end of the upper sash, it constitutes a sash lock.

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

1. A sash stop or lock consisting of a frame, a movable block extended through said frame and beveled at its upper end, and having limiting flanges or projections at its inner side, and springs to normally support the block, substantially as described.

2. A sash stop or lock consisting of a frame comprising front and back plates, and guide studs on the back plate, a movable block extended through the front plate and having limiting flanges or projections at its inner side to normally bear against the front plate, recesses in the block to receive the guide studs when the block is pressed inward, and springs upon said studs normally supporting the block, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WM. R. WALKER.

Witnesses:

Mrs. W. J. M. GATES,
W. J. M. GATES.