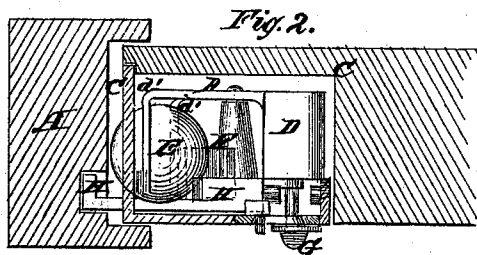
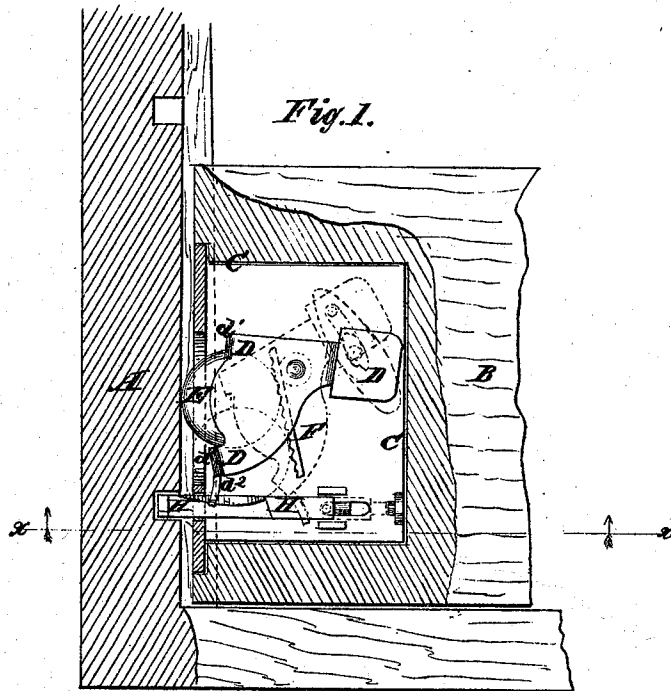


H. W. STEPHENSON, Jr.

Improvement in Sash-Holders.

No. 131,637.

Patented Sep. 24, 1872.



Witnesses:
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UNITED STATES PATENT OFFICE.

HENRY W. STEPHENSON, JR., OF CINCINNATI, OHIO.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. 131,637, dated September 24, 1872.

To all whom it may concern:

Be it known that I, HENRY W. STEPHENSON, Jr., of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Window-Sash Lock, of which the following is a specification:

Figure 1 is a detail sectional view of my improved fastening, part of the case being removed to show the construction. Fig. 2 is a detail sectional view of the same taken through the line *x x*, Fig. 1, looking in the direction of the arrows.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved sash-lock, simple in construction, easily operated, and effective in operation, locking the sash into any position into which it may be raised; and it consists in the construction and combination of a weighted lever having ball, inclined plate, and knob-pins, together with the case, bolt, and sash, as hereinafter more fully described.

A represents a part of the window frame or casing, and B a side bar of a window-sash, about the construction of which parts there is nothing new. C is a case, which is let into the sash-bar B so that its face-plate may be flush with the edge of the sash-bar. D is a lever, which is placed within and pivoted to the case C, or to a support attached to said case. The middle part of the outer end of the lever D is cut away, and the arms *d*¹ thus formed are bent to one side at right angles, as shown in Figs. 1 and 2, thus forming a space in the forward end of the lever D, through which a ball or block, E, made of rubber or other suitable material, may protrude to come in contact with the side of the casing or frame A. To the lever D is attached an inclined plate, F, the forward side of which may be corrugated or roughened to enable it to take a firmer hold upon the ball or block E. The inner end of the lever D is weighted so as, when left free, to always hold the ball or block E in

contact with the face of the casing A. By this construction, when the sash is released after being raised the friction of the ball or block E against the casing A will force the said ball or block E upward into the narrower part of the space between the said casing and the inclined plate F, securely holding the sash. To the inner weighted end of the lever D is attached a pin, which passes out through a curved slot in the case C and sash B, and has a knob or other handle, G, attached to it, so that when it is desired to lower the sash the inner or weighted end of the lever D may be raised, lowering its outer end and withdrawing the ball or block E from the casing A. H is a bolt, which slides in guides in the lower part of the case C, and which moves out through a hole in the face-plate of the said case C to enter a hole in the casing A and thus lock the sash in place. The bolt H is pushed out to lock the sash by means of a pin attached to its inner end, and which passes out through a slot in the case C and sash B. Upon the outer part of the lever D is formed a toe, *d*², which, when the said forward end of the said lever is lowered, strikes against a shoulder formed upon the bolt H and draws it inward.

I am aware that sash-locks bearing some resemblance to mine have been in use; but they employ springs, while I carry my ball up by the weighted end of lever and form a lock with a much less number of parts.

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

The end-weighted lever D *d*¹ having ball E, inclined plate F, and knob-pins G, combined with case C, bolt H, and sash B, all being constructed and arranged as and for the purpose described.

HENRY W. STEPHENSON, JR.

Witnesses:

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