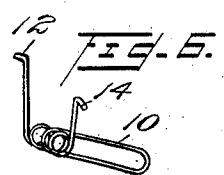
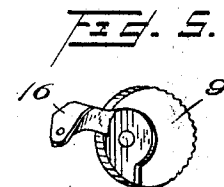
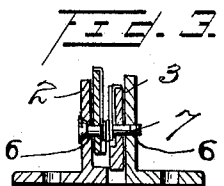
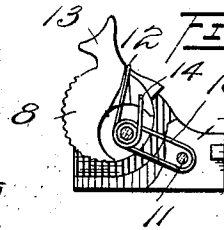
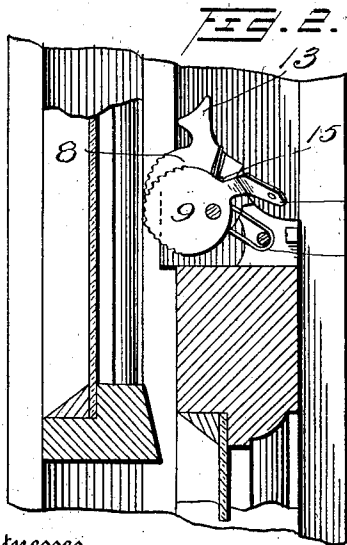
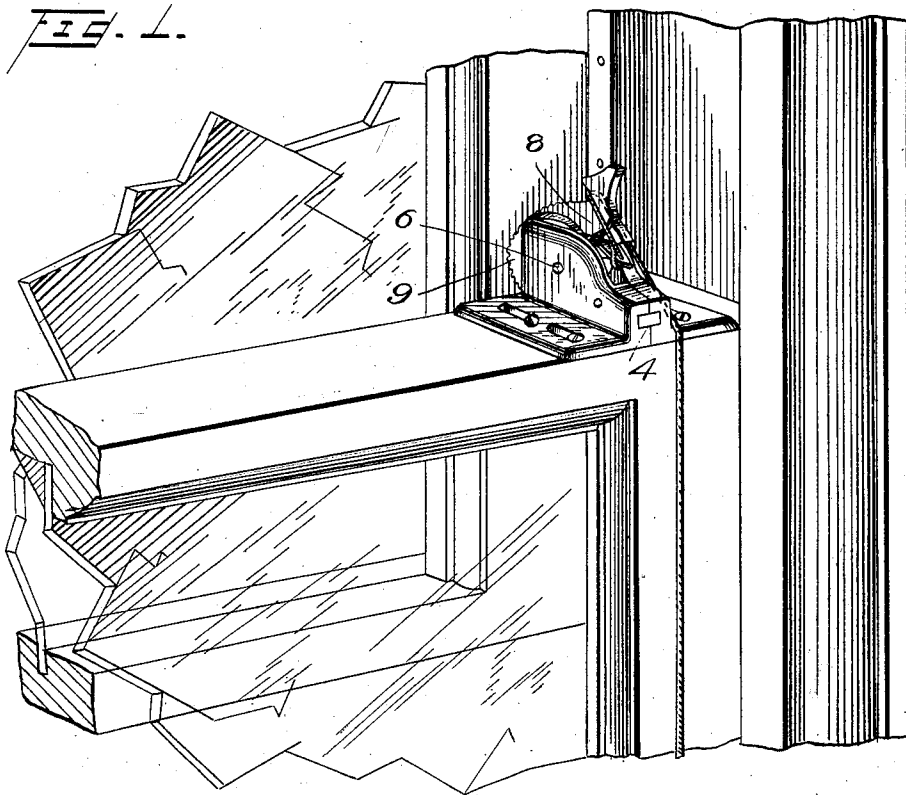


J. W. CROSSLEY.
WINDOW LOCK.
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1,046,987.

Patented Dec. 10, 1912.



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JAMES W. CROSSLEY, OF BANKS, ARKANSAS.

WINDOW-LOCK.

1,046,987.

Specification of Letters Patent.

Patented Dec. 10, 1912.

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To all whom it may concern:

Be it known that I, JAMES W. CROSSLEY, a citizen of the United States, residing at Banks, State of Arkansas, have invented certain new and useful Improvements in Window-Locks, of which the following is a specification.

My invention has relation to new and useful improvements in window locks and the main objects thereof are to produce a device of this nature that is efficient in operation, durable, and inexpensive to manufacture.

It may be used in connection with weights as usually employed or the window sash may be drawn upward by means of elastic material or some other resilient means adapted for the purpose. Thus it will be seen that my lock is for the purpose of retarding the upward movement of the lower window sash when desired and securing it in a certain desired position, thereby causing the sash to be burglar-proof and preventing all rattling of said sash due to wind.

A further object of my invention is to enable the operator to conveniently operate said window lock by means of a cord extending from the lock to the convenient reach of said operator.

A further object of my invention is to provide a lock that will effectively prevent the downward movement of the lower sash when placed in a desired raised position in the event there are no weights or means for holding up said lower sash, or in case it should break loose from its fastenings, or the downward movement of the upper sash when lowered to a desired position.

A further object of my invention is to provide a lock that will rest on the top of the lower sash and will lock against the upper sash or in the center of a two-light sash, locking against the stile of the upper sash when placed near one of the ends of the top rail of the lower sash and locking against the railing of the upper sash when said upper sash is a two-light sash.

A further object of my invention is to provide a lock that may be controlled by the use of a single cord, no matter in what position either sash may have been placed.

Reference being had to the drawings: Figure 1 is a perspective view of a window casing and sash, to which sash my invention has been applied, parts of said window casing and sash being broken away. Fig. 2 is a vertical, fragmentary, sectional view of

the upper and lower sashes of a window and the lock casing illustrating my lock in locked position. Fig. 3 is a vertical, transverse, sectional view taken through the lock casing and cams within said casing. Fig. 4 is a vertical, longitudinal, sectional view through the entire lock, disclosing the spring for holding the cams thereof in locked position. Fig. 5 is a perspective view of one of the cams and its lever. Fig. 6 is a perspective view of the spring employed.

Referring more particularly to the drawings in which like numerals designate like parts throughout, my invention is described as follows: The lock is composed of a lock casing 1, which casing is divided into two sections 2 and 3. A recess 4 is provided in one of the sections, which recess receives a corresponding lug 5 formed integral with the inner face of the other section. Each of said sections is provided with a central perforation 6 therein, which perforations receive a screw 7, said screw extending through eccentric perforations in the cams 8 and 9. A metallic spring 10 is provided with a loop that encircles a screw 11, which screw extends through each of the sections of the lock casing and aids in binding the same together. One free end 12 of the spring engages a notch cut in the outer periphery of the cam 8 near the lever 13 thereof. The other free end 14 of the spring engages the cam 9, the outer end thereof being received by a notch 15 in the outer periphery of said cam adjacent the lever 16. Said spring is so arranged that the cam 8 and the cam 9 are held against the casing of the upper sash in such a manner that the lever 13 may be drawn outward to release said cam 8 from engagement with said sash while the lever 16 may be drawn inward to release the cam 9 from engagement with the casing of the upper sash. A cord is secured to the extreme end of the lever 16, said cord being passed around the lever 13 as illustrated in Fig. 1. When said cord is pulled the result obtained will be that the lever 13 of the cam 8 will be pulled outward while the lever 10 of the cam 9 will be drawn inward, thus totally releasing the lock from engagement with the window sash, when the lower sash may be raised to a desired position or the upper sash lowered to a desired position or vice versa.

When it is desired to transform the lock into a safety lock the cord is released from

engagement with the lever 13, allowing it to swing from lever 16 only, thereby causing the cams to lock more firmly should one pull the cord thereby reversing the movement of said cam 9.

Although I have specifically described the novel features of construction, combination and arrangement of the several parts of my invention, yet I do not confine myself to such specific construction, but reserve and may exercise the right to make such changes therein as do not depart from the spirit of the invention or the scope of the appended claims.

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

1. A sash lock consisting of two parts 2 and 3, one part provided with a recess 4, and the other part with an integral lug adapted to fit in said recess 4, said parts provided near their center with horizontal, concentric perforations 6, a screw bolt 7, passing through said perforations and adapted to hold said parts together, a wire spring coiling around said screw bolt between said parts having a lever extension 10, and two spring ends 12, and 14, a cam 8, eccentrically perforated and provided with a lever arm 13, pivoted on said screw bolt through its perforation, a cam 9, eccentric-

cally perforated and provided with a perforated arm 16, also hinged on said bolt, the free end 12, of said spring, resting in a notch in the periphery of said cam 8, the other end of said spring resting in a notch 15, in the periphery of said cam 9, a cord, one end secured in the free end of the lever 16, thence passing up and over the arm 13, of the cam 8, thence down to within easy reach of the operator, said cord adapted to be removed from over said lever 13.

2. A window sash lock secured to the upper rail of a lower sash, said lock comprising two corresponding parts secured together by means of a screw bolt passing through alining perforations in said parts, cam members mounted on said screw bolt in such a way that a pull on one of the cams in one direction locks it against the stile, or railing of the upper sash, and a pull on the other cam locks it against the stile, or railing of the upper sash, and a cord attached to one of the cams, said cord adapted to draw the said cams in opposite directions to release them from the upper sash.

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

JAMES W. CROSSLEY.

Witnesses:

C. C. STEELMAN,
J. D. McFARLAND.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."