

(No Model.)

W. HICKEY.
WINDOW FASTENER.

No. 542,053.

Patented July 2, 1895.

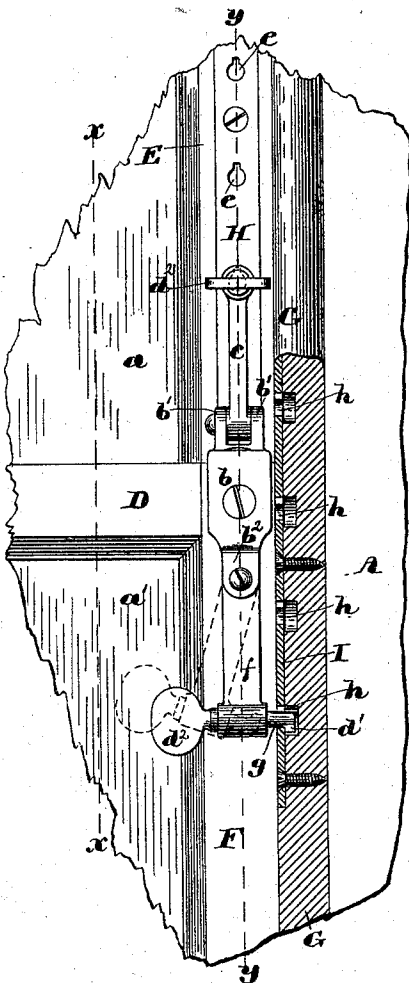


Fig. 1.

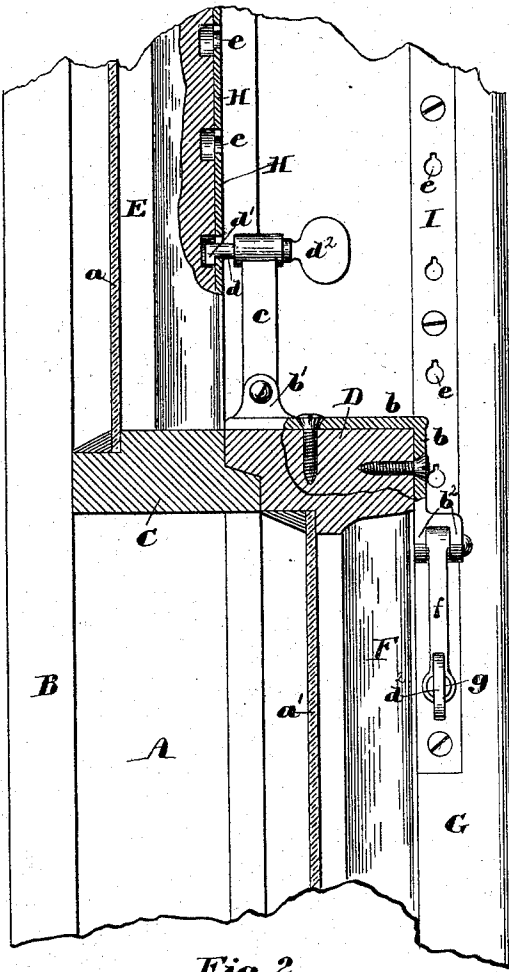


Fig. 2.

Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM HICKEY, OF BROOKLINE, MASSACHUSETTS.

WINDOW-FASTENER.

SPECIFICATION forming part of Letters Patent No. 542,053, dated July 2, 1895.

Application filed May 14, 1895. Serial No. 549,234. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HICKEY, of Brookline, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Window-Fasteners, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to window-fasteners; and it consists in certain novel features of construction, arrangement, and combination of parts, which will be readily understood by reference to the description of the accompanying drawings and to the claims hereto appended, and in which my invention is clearly pointed out.

Figure 1 of the drawings is a front elevation of a small portion of the upper and lower sashes of a window with a portion of the stop-head cut in section with my improved window-fastener applied thereto; and Fig. 2 is a sectional elevation of the same, the main cutting plane being on line *xx* on Fig. 1 and a portion of the meeting-rail of the lower sash, a portion of the fastener-stand, and the stile of the upper sash being cut on line *yy* on Fig. 1.

In the drawings, A is the jamb of the window-frame. B is the outer casing; C, the meeting-rail of the upper sash; D, the meeting-rail of the lower sash; E, the stile of the upper sash; F, the stile of the lower sash; G, the stop-bead, and *a* and *a'* the glass of the upper and lower sashes, respectively.

The meeting-rail D of the lower sash has secured thereto by suitable screws the angular stand *b*, having formed upon the rear end of its horizontal arm two ears *b'* and at the lower end of its pendent arm the two ears *b²*. The ears *b'* have pivoted thereto the arm *c* having mounted in a bearing in its upper end the locking-bolt *d*, which has formed on its rear end the radially-projecting lug *d'* and has secured to its front end the operating-handle *d²*, by which said bolt may be turned in its bearing to lock the sash.

The stile E of the upper sash has set therein the metal plate H, in which are formed a plurality of keyholes *e* of the proper shape to permit the insertion of the rear end of the bolt *d*, including the lug *d'*, which, when said bolt is rotated, will engage the inner surface of said plate and lock the bolt against acci-

dental displacement and secure the sashes against being opened without the application of sufficient force to break the sash or fastening or cutting or breaking the glass and operating the fastening through the opening.

The ears *b²* on the pendent arm of the stand *b* have pivoted thereto the arm *f*, similar in construction to the arm *c*, and carrying at its free end a locking-bolt *g* of the same construction as the locking-bolt *d*.

The arm *f* is arranged to move about its pivot in a plane at right angles to the plane of movement of the arm *c*, and the bolt *g* is arranged to enter keyholes *h* in the metal plate I, set in and secured to the stop-bead G, in the same manner as the bolt *d* engages with the plate H.

The arms *c* and *f* are so clamped by their pivot-pins as to create sufficient friction to hold said arms in the positions to which they are moved when disengaged from the plates H and I.

The operation of my invention is as follows: If it is desired to lock the window with both sashes closed, the locking-bolt *d* is inserted through the plate H and then turned about its axis, so that it cannot be withdrawn without being rotated in one or the other direction till the lug *d'* thereon coincides with the notch in the perimeter of the hole *e*, and the bolt *g* may or may not be engaged with the plate I, as may be desired. If it is desired to lock the window with the upper sash open at the top and the lower sash closed, the bolt *g* is engaged with the plate I in the lowermost keyhole, as shown in the drawings, and the bolt *d* is engaged with the plate H in one of the keyholes *h* above the lowermost one in said plate. If it is desired to lock the window with the upper sash lowered and the lower sash raised, both bolts *d* and *g* are engaged with a keyhole above the lowermost ones in their respective plates H and I.

This makes a very effective and convenient window lock or fastener that can be produced at a comparatively small cost, and as no springs are required it will not easily get out of order.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination in a window fastener of a plate secured to the meeting rail of the

lower sash; an arm pivoted to said plate and movable about said pivot in a vertical plane; a locking bolt provided with a radially projecting lug at one end and a thumb pad at its other and revolubly mounted in a bearing in the free end of said arm; and a metal plate set in or secured to the upper sash and provided with a plurality of key holes to receive said bolt.

10 2. The combination in a window fastener of an angular or elbow like stand secured to the meeting rail of the lower sash; a pair of arms pivoted to said stands and movable about said pivots in vertical planes at right

15 angles to each other; a locking bolt revolubly mounted in a bearing in the free end of each

of said arms with its axis transversely of said arm and provided on its locking end with a radially projecting lug; and a pair of metal plates each provided with a plurality of key- 20 holes and secured one to the upper sash and the other to the stop bead all constructed and arranged to operate substantially as described.

In testimony whereof I have signed my 25 name to this specification, in the presence of two subscribing witnesses, on this 11th day of May, A. D. 1895.

WILLIAM HICKEY.

Witnesses:

N. C. LOMBARD,
GEORGE H. BROWN.