

(No Model.)

J. H. JOHNSTON.
SASH HOLDER.

No. 490,907.

Patented Jan. 31, 1893.

Fig. 1.

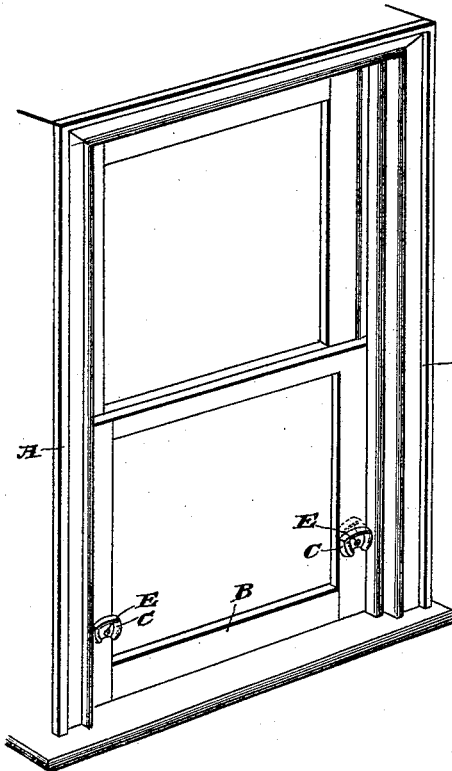


Fig. 2.

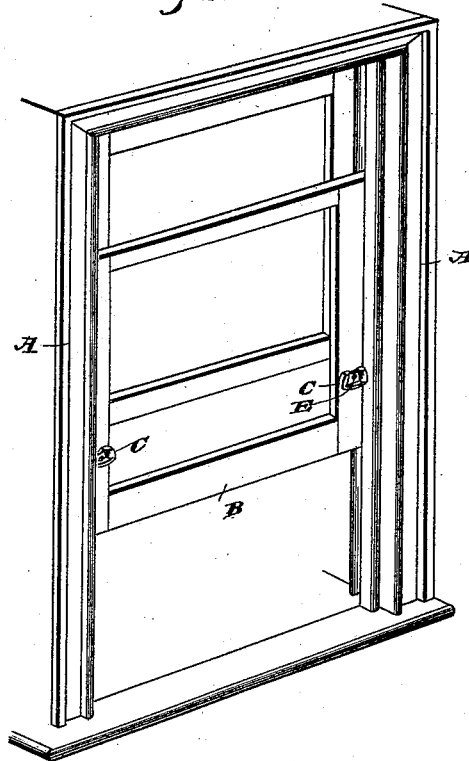
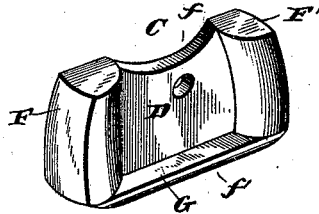


Fig. 3.



Witnesses

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By his Attorneys,

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UNITED STATES PATENT OFFICE.

JOHN H. JOHNSTON, OF LITTLE ROCK, ARKANSAS, ASSIGNOR OF ONE-HALF
TO GEORGE PURVES, OF SAME PLACE.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 490,907, dated January 31, 1893.

Application filed September 26, 1892. Serial No. 446,899. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. JOHNSTON, a citizen of the United States, residing at Little Rock, in the county of Pulaski and State of Arkansas, have invented a new and useful Combined Sash Lift and Lock, of which the following is a specification.

My invention relates to improvements in devices for locking or fastening window sashes in either their closed or open positions, the object in view being to provide a simple, cheap and efficient device which shall be capable of performing the double function of a fastener and a lift.

15 In carrying out my invention I employ a reversible plate, provided at opposite ends with oppositely disposed cam-faces, both of which are arranged eccentrically with the pivotal screw by which the device is attached to the sash, and by arranging this plate in one position one of its cam-faces will impinge against the adjacent surface of the facing strip or jamb of the window-frame and prevent the raising of the sash, and by reversing 25 the plate its opposite cam-face will impinge against the frame and hold the sash in an elevated position. This plate is provided, furthermore, with a perpendicular flange or hold which serves as a lift, and when the plate is 30 in the position first above mentioned, namely, in position to lock the sash against being raised, by placing the ends of the fingers under this flange or hold and slightly turning the plate so as to disengage its cam-face from the side of the frame, the sash may be raised.

35 My invention is more fully described hereinafter in connection with the drawings, and the novel features thereof are particularly pointed out in the appended claims.

40 In the drawings: Figure 1 is a perspective view showing the lock or fastener attached to a sash in the position to hold the latter in its lowered position; Fig. 2 shows the fastener attached to a sash and arranged to hold the latter in its elevated position; Fig. 3 is a detail view, in perspective, of the holder or fastener, detached.

50 A A represent the side-jambs of a window frame, and B the lower sash, to which a pair of the holders or fasteners are attached, re-

spectively near the side edges. The fasteners which are used for the opposite sides of the sash being exactly alike, the description of one of them will suffice.

The fastener, C, consists of a pivoted, reversible plate or body-portion, D, which is adapted to lie flat against the surface of the sash, and is pivotally connected thereto by a screw, E. The ends of this plate are shaped to form cam-faces, F and F', respectively, 55 said faces being eccentric with the pivotal screw and being oppositely-disposed, as shown, so as to converge toward the shorter side, f, of the plate, and diverge toward the longer side, f', of the same. 65

At the longer edge or side of the plate is arranged a perpendicular flange or hold, G, having a flat inner surface and a rounded or convexed outer surface, the terminal edge of the flange or hold being flush with the terminal or outer edges of the cam-faces. The cam-faces are broader than the edges of the plate, or are thickened, as shown, their inner sides or surfaces being beveled or rounded to give strength and solidity to the faces. 75

In Fig. 1 the locking or fastening device is shown in full lines in the position to hold the sash against elevation, the longer edge or side of the plate being above, and therefore the longer radius of the plate being inclined 80 upward from the horizontal plane of the pivotal screw toward that end of the plate which impinges against the frame in this position of the fastener. By grasping the flange or hold at the (now) upper edge of the plate, 85 and turning the latter slightly, (as shown in dotted lines in Fig. 1) until its cam-face is disengaged from the side of the frame, the sash may be elevated.

In Fig. 2 the fastener is shown reversed, 90 with its opposite end in engagement with the side of the frame, and in this position the longer edge of the plate is below, and consequently the longer radius thereof is inclined downward from the horizontal plane of the 95 pivotal screw toward that end of the plate which impinges against the frame.

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

1. In a sash lock or fastener, a pivoted reversible plate provided with eccentric cam-faces and having a flange or hold to serve as a lift, substantially as specified.

5 2. In a sash lock or fastener, the pivoted, reversible plate provided at its opposite ends with oppositely-disposed cam-faces, which are thickened and have beveled or rounded inner surfaces, and further provided with a perpendicular flange or hold, connecting said cam-

faces and flush at its terminal edge with those of said faces, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN H. JOHNSTON.

Witnesses:

I. B. MILLER,
M. C. YOUNG.