

W. I. BLACKMAN.

Improvement in Sash-Holders.

No. 132,432.

Patented Oct. 22, 1872.

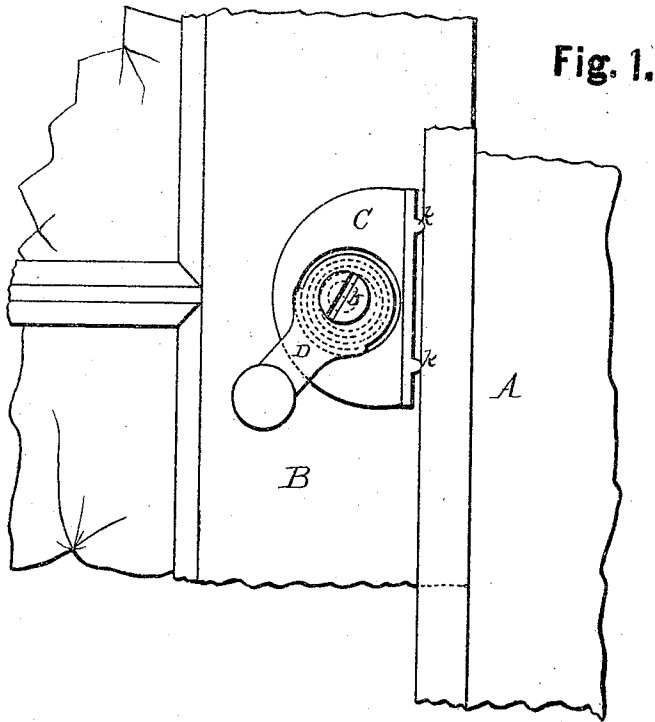


Fig. 1.

Fig. 2.

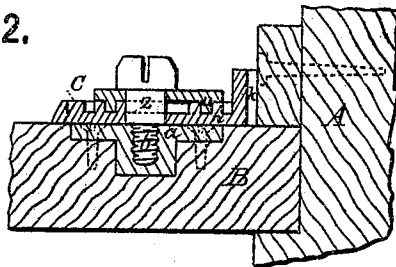


Fig. 4.

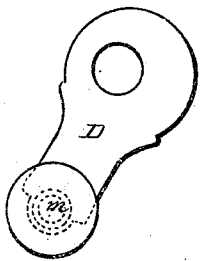


Fig. 5.

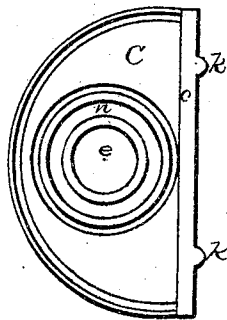
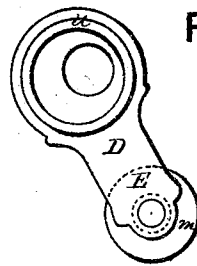


Fig. 3.

WITNESSES.

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# UNITED STATES PATENT OFFICE.

WILLIAM IRELAND BLACKMAN, OF COLUMBUS, MISSISSIPPI.

## IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. **132,432**, dated October 22, 1872.

*To all whom it may concern:*

Be it known that I, WILLIAM I. BLACKMAN, of Columbus, in the county of Marion and State of Mississippi, have invented a new and valuable Improvement in Sash-Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a view of my invention applied; Fig. 2 is a sectional view of the same; and Figs. 3, 4, and 5 are detail views.

This invention has relation to sash-fasteners; and it consists in the construction and novel arrangement of the sliding pressure-plate with its ribbed flange and means for connection with the eccentric-lever or operating-cam, as hereinafter set forth.

In the accompanying drawing illustrating this invention, the letter A designates the window-jamb, and B the sash. In order to obviate as much as possible the effect of the friction on the wooden parts it is well to let into the sash a plate, *a*, of brass or other suitable metal, which plate should be provided with a central cylindrical projection extending into the wood, and perforated to receive the end of the pivot-screw *b*. C represents the sliding plate, of semicircular or other suitable form, provided with a straight flange, *c*, next the jamb of the window. This flange is provided with transverse ribs or studs *k* to give it a hold on the jamb when forced against the

same by the action of the eccentric. The opening *e* in this plate, through which the pivot-screw passes, is made sufficiently large to allow for the requisite play of said plate, and around said opening, and concentric therewith, is a circular channel or groove, *n*. D represents the cam-lever, consisting of an arm, E, having a button or handle, *m*, and on the under side of the end through which the screw *b* passes is formed an annular rib or tenon, *u*, eccentric in its relation to the axis of the pivot-screw, and designed to engage with the circular groove *n* in the sliding plate. In order to regulate the depth to which the screw should enter without binding the parts an enlargement or shoulder, *z*, is formed on the pivot-screw next its head, and to prevent the arm of the eccentric from being turned too far in either direction a projection is made on the under side of said arm, which acts as a stop by coming in contact with the edge of the sliding plate.

What I claim as my invention, and desire to secure by Letters Patent, is—

The sash-fastener, consisting of the sliding plate C with its ribbed pressure-flange *c* and circular groove *n*, the arm D with eccentric tenon *u*, and the pivot-screw *b*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM IRELAND BLACKMAN.

Witnesses:

GEORGE FRAZEE,  
JOHN WESLEY SPILLMAN, M. D.