F. Walker,

Sash Holder.

No. 81,848. Patented Sep. 1, 1868.

Fig 3

Fig 4

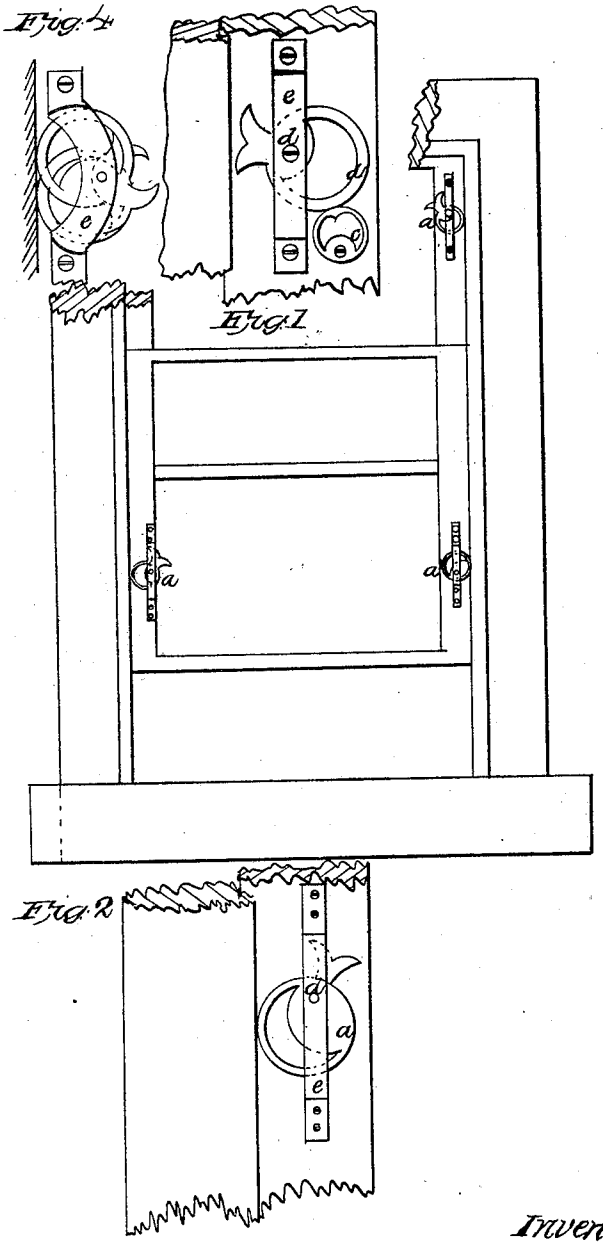

Fig 1

Fig 2

Witnesses.
H. C. Ashburner
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per Munn & Co
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United States Patent Office.

FELIX WALKER, OF MEMPHIS, TENNESSEE.

Letters Patent No. 81,848, *dated September* 1, 1868.

IMPROVEMENT IN SASH-FASTENINGS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, FELIX WALKER, of Memphis, in the county of Shelby, and State of Tennessee, have invented a new and useful Improvement in Fastening for Window-Sash and Sliding Doors; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a window having my improved sash-fastening attached on opposite sides, one for keeping the sash up, and the other to prevent it from being raised.

Figure 2 is an enlarged view of the fastening in position for holding up the sash.

Figure 3 represents the fastening provided with an eccentric-button to keep it from acting, when desired.

Figure 4 represents a modification of the device, with both eccentrics hung on one pivot.

Similar letters of reference indicate corresponding parts.

This invention relates to a new device for fastening and securing sash and sliding doors, and to prevent sash and doors from rattling, from the action of wind or otherwise, and consists in the use of a duplex eccentric balance-wheel or wheels, secured to the frame of a window or door, (or it may be secured to the sliding sash or door, as may be desired,) by a "yoke" or "keeper," made of brass, or any other suitable material.

The "yoke" or "keeper" can be made to hold only one wheel, or it may be made deep enough to receive two wheels on the same pivot-screw, and will serve to retain the sash or door at any height desired, and which sash or door cannot be moved up or down without first turning one of the eccentric-wheels.

Thus, hoist the sash or door to the point desired, then turn one wheel up, and the other wheel down, and the sash or door will be securely held in that position, and cannot be run up or down until both wheels are turned in the same direction.

The "yoke" or "keeper" may be made long enough to receive two wheels in a line.

The "yoke" or "keeper" may be secured to the frame of the window or door, or it may be secured to the sash or door, as may be desired.

In fig. 1, an eccentric balance-wheel, *a*, is represented, in position to prevent the sash from falling when partially raised to any point desired, and in the same figure, on the opposite side of the lower sash, the eccentric balance-wheel *a'* is represented in position to prevent the sash from being raised.

In fig. 2, the eccentric, *a*, enlarged, is also represented in the position for preventing the sash from falling or sliding down when hoisted partially or wholly.

The eccentric is hung on a pivot, *d*, in a yoke, bracket, or keeper, *e*, that is fastened at the ends, by screws, to the sash, door, or frame.

The pivot *d* is a screw, which passes through both the keeper and eccentric into the wood, to aid in securing all firmly.

These parts are made of iron, brass, or any other suitable material.

The eccentric balance-wheel can be applied to either side of a door or window-sash, for the purpose of preventing the sash from moving up or down, or eccentrics may be placed on opposite sides of a sash, one for preventing it from rising, and the other from falling.

A duplex fastening may be made by hanging the two eccentrics on one pivot, on one side of the sash, in a curved yoke or bracket, as shown in red, fig. 4, for effecting both objects by one fastening.

An eccentric-button, *c*, may be attached, for the purpose of keeping one of the eccentrics from acting, when desired, while the other eccentric only shall operate, as shown in fig. 3.

The eccentric may be loaded, or made heavy on one side, in order to balance or counterpoise it.

This device may be made of malleable cast iron, or other metal, very cheap. It is convenient and sure in its operation, is not liable to get out of order, and is very durable.

A keeper may be made and securely fastened at one end only, and only long enough to receive and hold the pivot-screw and eccentric, thereby leaving the eccentric more exposed to be operated on with the hand.

The keeper and eccentrics may be permanently attached, with screws, to a piece of wood moulding, about six inches in length, and the latter secured to the side of the window-frame. By this means the eccentrics can be accurately placed at the proper distance from the sash, to secure their certain action. The strip of wood also serves as a guide to a loose running sash.

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

The eccentric duplex balance-wheels *a a*, pivoted to the sash upon the same pivot, in combination with the curved keeper *e*, constructed and operating as described for the purpose specified.

FELIX WALKER.

Witnesses:

S. MANSFIELD,

W. HOWARD.