

(No Model.)

W. P. COLDREN.

SASH FASTENER.

No. 388,762.

Patented Aug. 28, 1888.

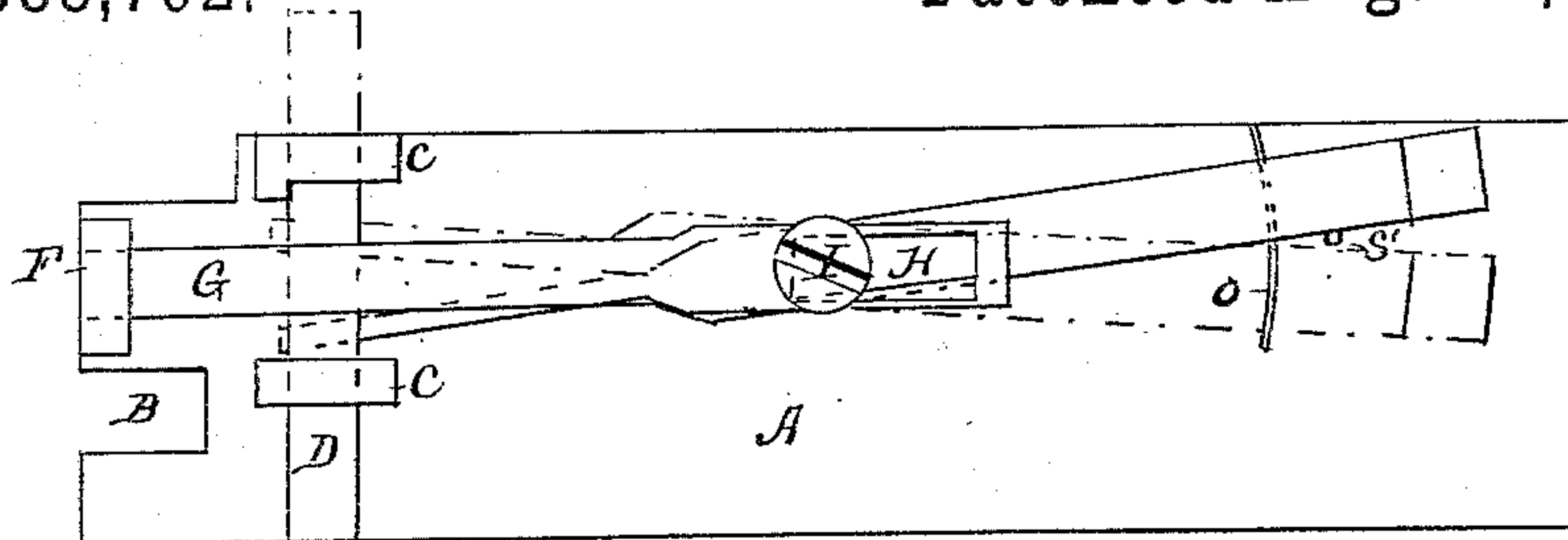


Fig. 1.

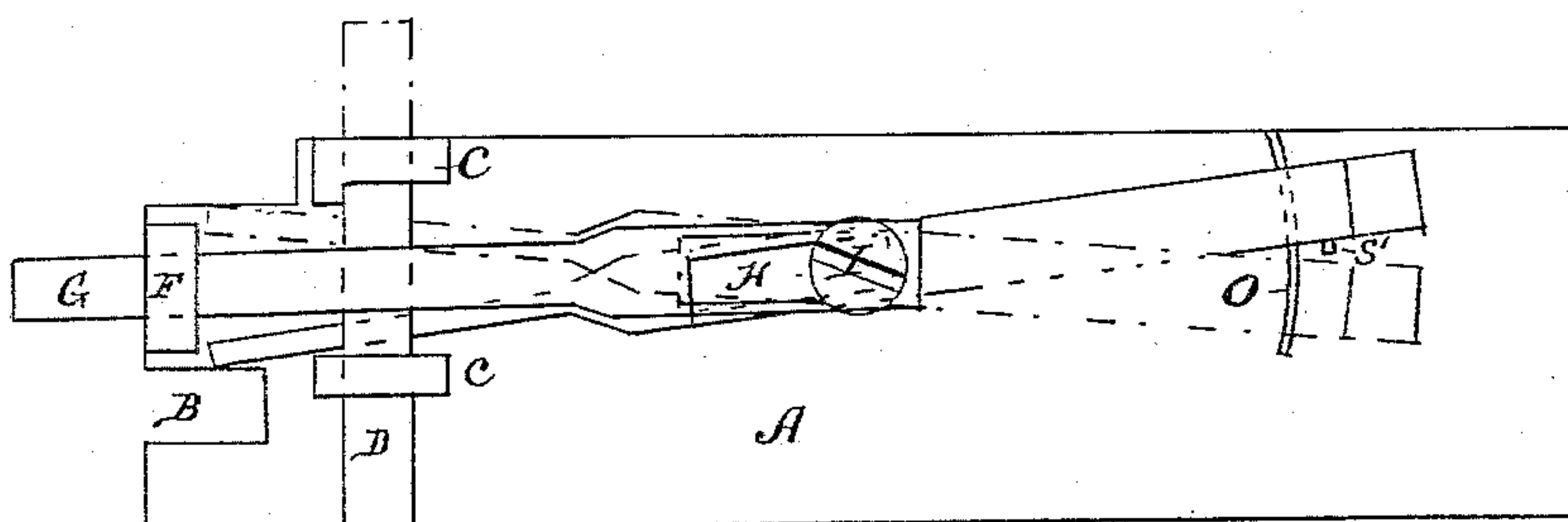


Fig. 2.

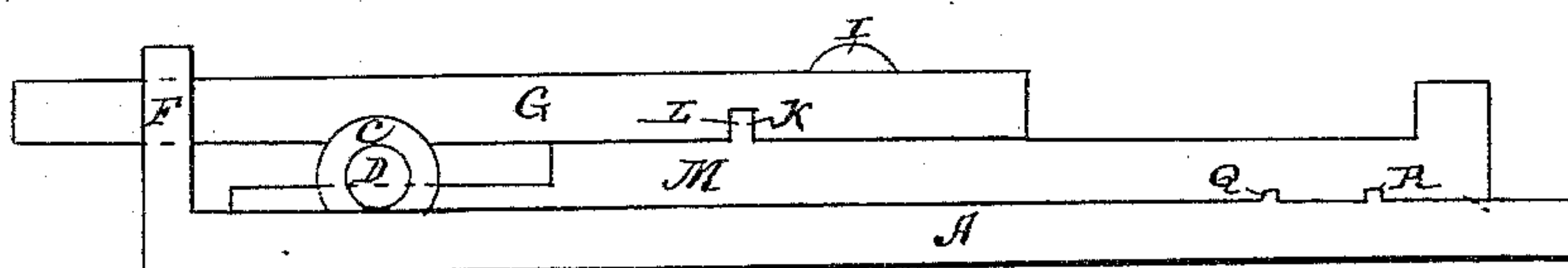


Fig. 3.



Fig. 4.

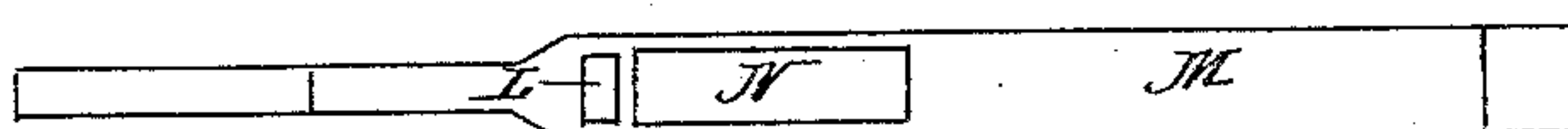


Fig. 5.

WITNESSES:

Sam'l. P. Meanson,
G. M. Cuddege.

INVENTOR,

William P. Coldren.
Per A. Morgan Cuddege
Att'y.

UNITED STATES PATENT OFFICE.

WILLIAM P. COLDREN, OF PHILADELPHIA, PENNSYLVANIA.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 388,762, dated August 28, 1888.

Application filed December 17, 1885. Renewed February 24, 1888. Serial No. 265,161. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM P. COLDREN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Sash-Fastener, of which the following is a specification.

My invention relates to the construction of a sash-fastener in such manner that either or both of the sashes of a window can be fastened in any position; and it consists in the combination of two bolts and appropriate devices attached to the upper rail of the lower sash, whereby the two sashes can be fastened together in any position relative to each other, and the lower sash can be fastened in any position relative to the frame, or either of these objects can be accomplished and the whole operation can be performed by the use of one handle, which is inaccessible from outside the window.

Referring to the accompanying drawings, Figure 1 is a top view of the fastener, showing both bolts open, and in dotted lines the bolt D, which fastens the two sashes together, closed. Fig. 2 is a top view showing the bolt G, which fastens the lower sash to the frame, closed and the bolt D open, and in dotted lines closed. Fig. 3 is a side view of the same. Fig. 4 is a detail showing the notch E in bolt D. Fig. 5 is a detail showing the slot N and the projection L upon the lever M.

Like letters designate like parts.

The plate A is to be attached to the end of the upper rail of the lower sash of the window, the notch B making room for the sash-cord. Holes at proper distances are bored into the side rail of the upper sash and into the window-frame. Upon the plate A are the lugs C C, through which plays the bolt D, and in which bolt is a notch, E, Fig. 4. This bolt engages with a hole in the upper sash and fastens the two sashes together. Upon the end of the plate A is also the lug F, through which passes the bolt G, which engages with a hole in the window-frame and holds the lower sash in position. At the farther end of this bolt G is a slot, H, by which it is movable backward and forward upon the pin I, attached to the

plate A. In the lower side of the same bolt G is also a transverse slot, K, Fig. 3, by which it is moved backward and forward by means of a projection, L, upon the lever M. The lever M has a slot, N, Fig. 5, by which it is movable backward and forward upon the pin I, carrying with it in this motion the bolt G by the projection L in the slot K of that bolt, and in its lateral motion carrying with it the bolt D by the engagement of its point with the notch E in that bolt. Upon the plate A is a curved projection, O, and in the lever M are two transverse slots, Q R, Fig. 3, at such distance apart and in such position as to hold the bolt G closed or open and allowing lateral movement of the lever and motion of the bolt D without affecting the bolt G. Upon the plate A is the stop S, in such position that the lever M, resting on one side or the other of it, holds the bolt D open or closed.

In operating the fastener the lever is moved so that the curved projection O engages either with the slot Q or the slot R, closing or opening the bolt G. The lever M is movable to one side or the other of the stop S, closing or opening the bolt D, being securely fastened in either position.

I claim as my invention.

1. The combination, in a sash-fastener adapted to be attached to the lower sash of a window, of a bolt adapted to engage with the window-casing, a bolt adapted to engage with the upper sash, and a lever or handle engaging with both bolts and adapted to operate either of them without moving the other, substantially as and for the purpose set forth.

2. The combination of bolt G, handle M, having transverse slots Q R, and projection O, adapted to hold the bolt either open or closed, substantially as and for the purpose set forth.

3. The combination of bolt D, lever M, and stop S, adapted to hold the bolt either open or closed, substantially as and for the purpose set forth.

WILLIAM P. COLDREN.

Witnesses:

G. MORGAN ELDRIDGE,
GEORGE HOUSE.