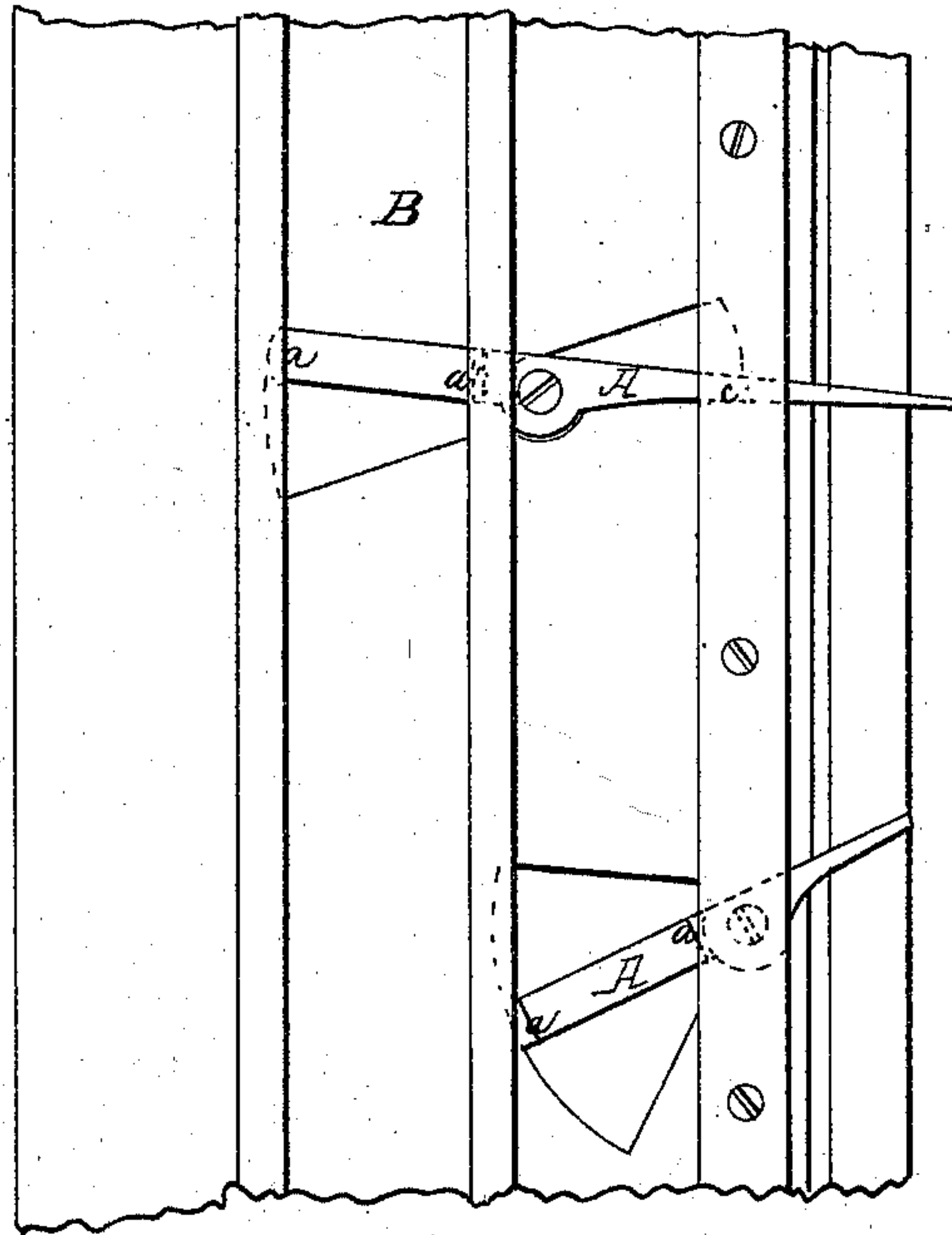


*W. W. Maughlin,  
Sash Holder.*

*N<sup>o</sup> 66,160.*

*Patented June 25, 1867.*

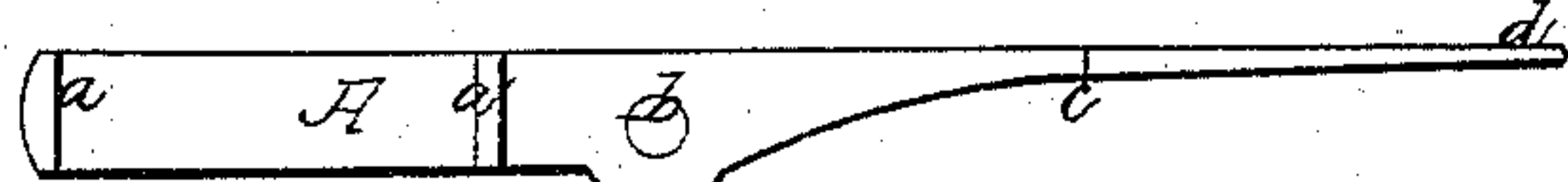
*Fig. 1*



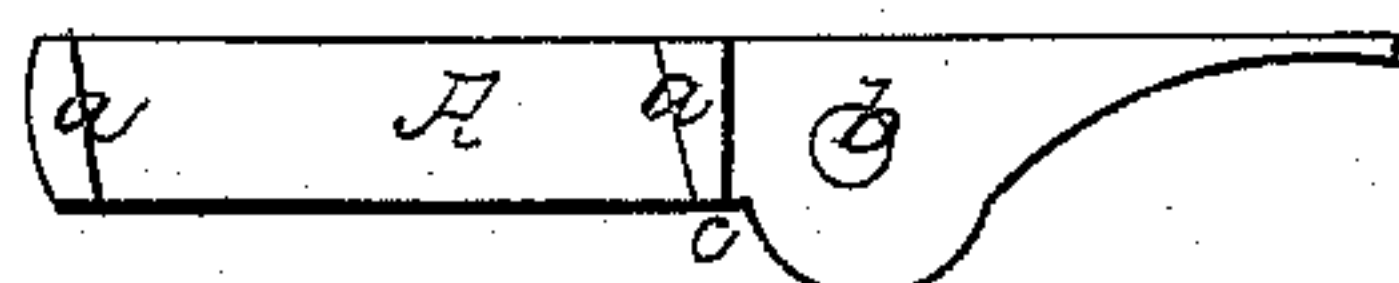
*Fig. 2*



*Fig. 3*



*Fig. 4*



*Fig. 5*



*Witnesses:*

*B. F. Dodge  
M. B. Smith*

*Inventor:  
W. W. Maughlin  
by his atty  
A. M. Smith*

# United States Patent Office.

W. W. MAUGHLIN, OF BALTIMORE, MARYLAND.

*Letters Patent No. 66,160, dated June 25, 1867*

## IMPROVED SASH-FASTENER.

*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, W. W. MAUGHLIN, of the city and county of Baltimore, State of Maryland, have invented a new and useful improvement in Sash-Fasteners; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, making part of this specification, in which—

Figure 1 is a front or face view of a section of the window-frame with my improved fastener applied.

Figures 2 and 3 represent a plan or edge and a front view of the fastener for the outer sash, detached; and

Figures 4 and 5 are similar views of the fastener for the inner sash.

Similar letters of reference denote corresponding parts in the several figures.

In the various sash-fastenings or latches heretofore in use it has been necessary from their form and construction to let them for their whole length into the jamb or casing, which was mortised or notched out to receive them in such manner as to mar the casing and architecture outside of the sash-bead, and seriously detract from their appearance and finish, and in some instances the sash-bead has had to be cut nearly or quite away to accommodate the latch. In such cases the sash-bead has necessarily been made a permanent fixture of the frame or casing in such manner as to prevent its removal for the washing of the window or other purpose without considerable difficulty, involving in most cases the removal of the latch or fastening with the bead.

The object of my invention is to obviate these difficulties and defects, and to provide a neat, simple, effectual, and durable fastening, and to this end my invention consists in providing the latch or lever with an offset or bend underneath or near the sash-bead in such manner as to bring it to the surface of the casing inside the sash, thereby avoiding the marring of said casing except where it is hidden by the sash. And it further consists in the particular construction of the latch provided with the offset, as hereinafter explained.

To enable others to construct and use my invention, I will describe it with reference to the drawing, in which—

A represents the latch, which may be made or cast in one piece, and B represents a section of a window-frame or casing, illustrating the relation of the latch to such casing and to the sash, partition, and outer beads, as hereinafter explained. The latch A is provided at its outer end with lugs or flanges, *a a'*, between which the sash slides in being moved up and down, and is expanded in width at *b* to afford a point of pivot to the frame, and in such manner as to give a wide bearing, for the purpose of preventing its wobbling in its seat as the sash is moved up or down. The point of pivot should be underneath or near the bead next inside the sash to which the latch is applied, so as to bring the point of pivot as near as practicable to the sash upon which it is designed to operate, and in such manner as to make the latch end of the lever as short and consequently as quick and effectual in its action as possible. The weighting of the said latch end of the lever by means of the lugs or flanges *a a'* makes this arrangement of the pivot practicable. At the inner side or underneath the sash-bead the latch is provided with an offset or bead, *c*, which serves to bring the handle of the lever in front of said bead to the surface of the jamb or casing in such manner as to avoid the cutting away and marring of the exposed portion of the jamb and of the architecture in front of said bead. The latch for the inner and lower sash may, if desired, be located just above said sash in its lowest or closed position, and so arranged as to drop into a notch formed in the top of said sash in such manner as to form an effectual lock to said sash when closed.

The operation of the latch will be readily understood. When the sash is raised the flanges of the latch coincide with the faces of the beads between which the sash works, and the moment the sash is released the weighted and flanged end of the latch, dropping slightly with the sash, instantly clamps and holds the sash firmly against further downward movement. The latch is thus made automatic in its operation, except when it is desired to lower the sash, when a light pressure of the finger upon the handle *d* serves to release the sash and permits it to be lowered to the desired point. If desired, the inner flange *a'* may be dispensed with, in which case the downward movement of the outer flange *a* would serve to tightly compress the sash against its inner bead and thus hold it; but in practice I prefer to use both flanges, as the operation of the latch is thereby rendered entirely independent of the beads, and causes less injury to the edge of the sash upon which it operates.

Having now described my invention, I would state that I am aware that fastenings have been used provided

with the flanges operating in a manner similar to those I have described, and I therefore do not claim such flanges separately considered, but what I claim, and desire to secure by Letters Patent, is—

1. The latch or lever A, provided with the offset *c*, arranged to work underneath the sash-bead, and in such manner as to avoid the cutting away or defacing of the jamb or casing outside of said bead, substantially as described.

2. The latch or lever A, provided with the offset *c* and lugs or clamp *a'*, arranged and operating as described

In testimony whereof I have hereunto set my hand this 23d day of May, 1867.

W. W. MAUGHLIN.

Witnesses:

ROBERT S. BEETLEY,  
NORMAN B. SMITH.