2 Sheets--Sheet 1.

A. C. MANNING.

Ventilating-Fastener for Sashes.

No. 164,466. Patented June 15, 1875.

Fig. 1.

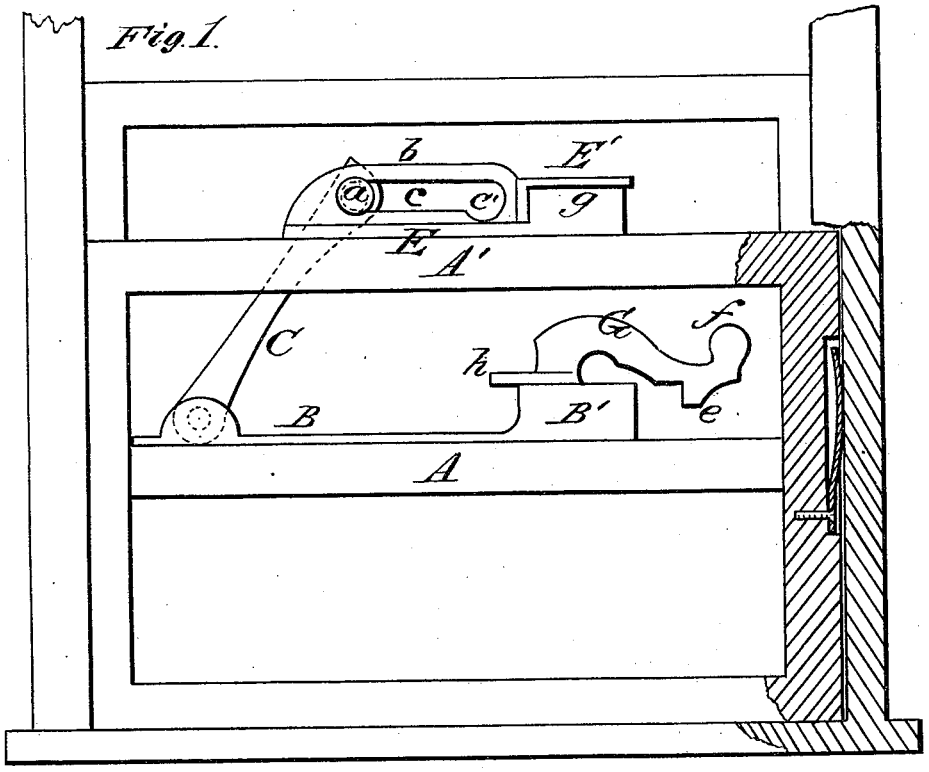
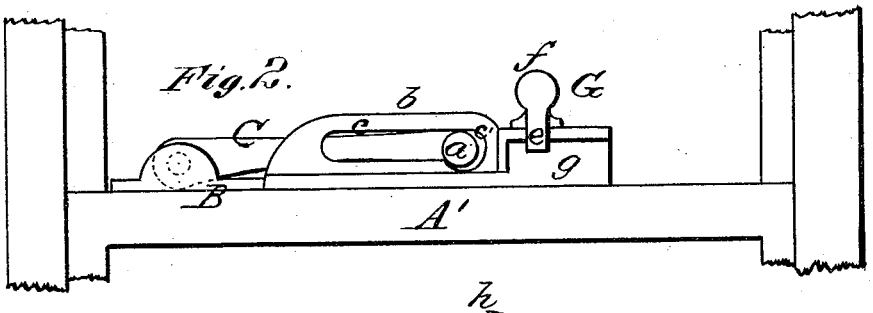


Fig. 2.



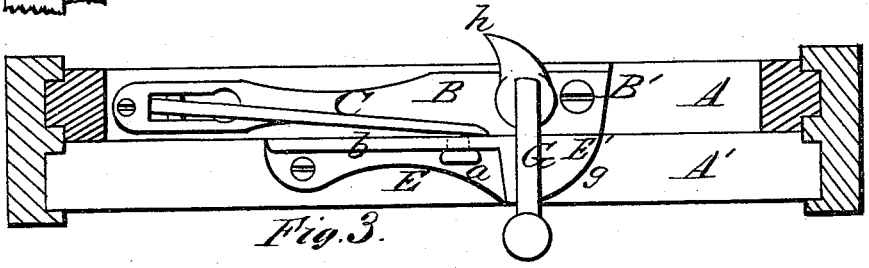


Fig. 3.

Witnesses.
E. H. Bates
Robert Everett

Inventor.
Alfred C. Manning.
Chipman Hosmer & Co.
Attorneys.

A. C. MANNING.

Ventilating-Fastener for Sashes.

No. 164,466. Patented June 15, 1875.

Fig. 4

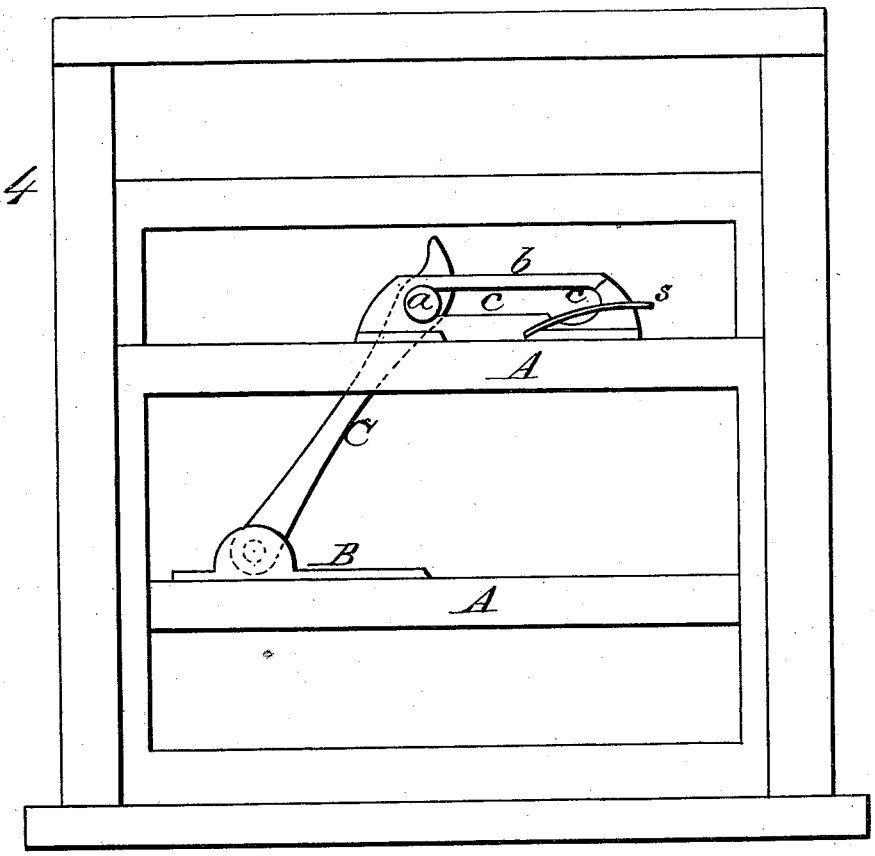


Fig. 5

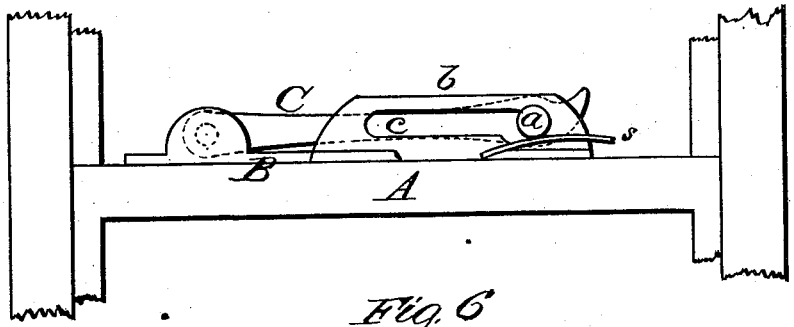
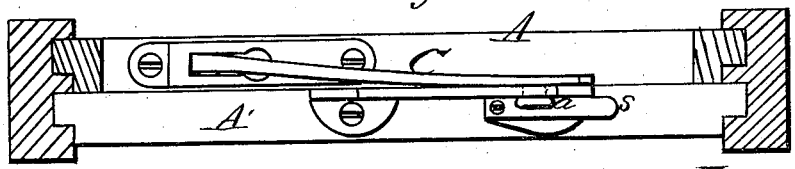


Fig. 6



Witnesses.
E. H. Bates
Robert Everett

Inventor.
Alfred C. Manning.
Chipman Hosmer & Co
Attorneys

UNITED STATES PATENT OFFICE.

ALFRED C. MANNING, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN VENTILATING-FASTENERS FOR SASHES.

Specification forming part of Letters Patent No. **164,466**, dated June 15, 1875; application filed June 5, 1875.

CASE C.

To all whom it may concern:

Be it known that I, A. C. MANNING, of Hartford, in the county of Hartford and State of Connecticut, have invented a new and valuable Improvement in Ventilator and Fastener for Sashes; 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 drawings, 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 front view, part sectional, of my ventilator and fastener. Fig. 2 is a front view, and Fig. 3 is a plan view, of the same. Figs. 4, 5, and 6 are detailed views of the same.

This invention has relation to means for fastening window-sashes and locking them when partly open, to prevent their being opened any farther than is desired. It consists in applying on the meeting-rail of one sash a slotted plate, the slot in which terminates at one end in an enlarged opening, and in applying on the meeting-rail of the other sash a vibrating arm having a knob on one end, which knob, when applied in the said slotted plate, will connect the two sashes together, and safely hold them when opened a given distance for ventilation. It also consists in combining, with the vibrating arm and slotted plate, a swinging locking device, which, when it is turned in one direction, will draw together the meeting-rails, and at the same time lock the two sashes together when they are closed, and when said locking device is turned so as to free the sashes an extension on one end of it will insert the knob on said locking-arm through said slotted plate, and thus establish a connection between the sashes for the purpose of ventilation.

In the annexed drawings, A A′ designate the meeting-rails of two window-sashes, which may be balanced by weights in a well-known manner. On the upper edge of one of the sashes a plate, B, is secured, to which is loosely pivoted an arm, C, having a knob, *a*, secured to it near its free end.

This arm can be vibrated vertically, and it is allowed to receive a slight lateral vibration.

On top of the meeting-rail A′, which is the inner one of the two rails, a plate, E, is secured, from which rises a plate, *b*, through which is a long slot, *c*, terminating at one end in an enlarged opening, *c′*, of such size that it will admit through it the knob *a*.

When this knob is inserted into its slot, as shown in full lines in all the figures of the drawings, and the upper sash is drawn down until the knob is stopped by contact with one end of the slot *c*, a space will be left above the sashes for ventilation, and the arm C will effectually prevent the upper sash from being drawn down beyond the said point.

When arm C is detached from the slotted plate, the sashes can be operated independently of each other.

By my invention two sashes can be locked together, and adjusted for allowing ventilation above as well as below them.

On the plate E is formed an enlargement, E′, having a curved edge, *g*, and on one end of the plate B is formed an enlargement, B′, having a curved arm, G, pivoted to it. This arm G has a lug, *e*, and a handle, *f*, formed on it, so that when the arm is turned around in the position shown in Figs. 2 and 3 it will draw together the two meeting-rails A A′ and lock the sashes.

When arm G is adjusted as shown in Fig. 1, an extension, *h*, on its pivoted end will swing around and move the bottom *a* in the position shown in Fig. 3, thus connecting the arm G to the slotted plate.

Figs. 4, 5, and 6 show the device for obtaining ventilation without the locking-arm G, and also show a spring, *s*, which will hold the knob *a* in the enlarged position *c′* of the slot *c*, ready to engage with the slotted plate when the sashes are moved.

The extension *h* on the locking-arm G, I consider the equivalent of the spring *s* for holding the knob *a* in a position to engage with the slotted plate.

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

1. The laterally and vertically vibrating

arm C, having a knob, *a*, on its free end, in combination with the plate *b*, having a slot, *c c'*, through it, and with the spring *s*, or its equivalent, substantially in the manner and for the purpose described.

2. The pivoted locking-arm G and block E', combined with the arm C, having a knob, *a*, on it, and with the plate B', slotted as described.

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

ALFRED C. MANNING.

Witnesses:
D. G. GORDON,
CHAS. A. SAFFORD.