(No Model.)

C. R. LONG.

WINDOW VENTILATOR.

No. 383,582. Patented May 29, 1888.

Fig. 1.

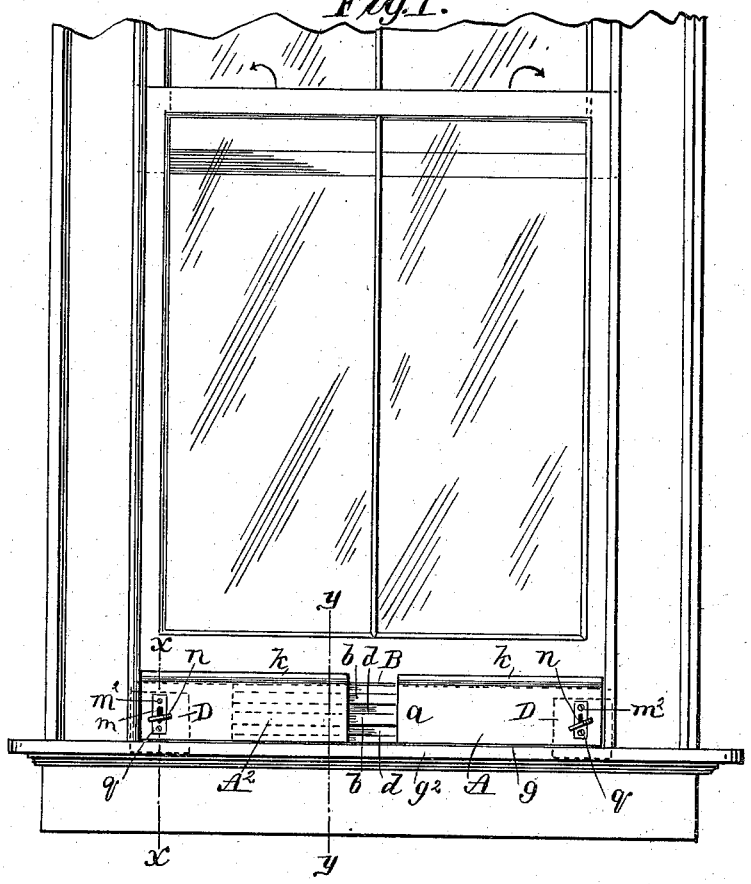


Fig. 2.

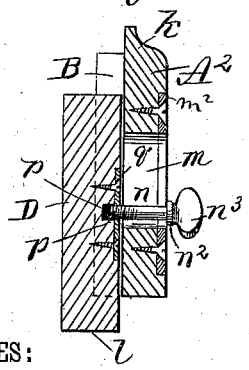
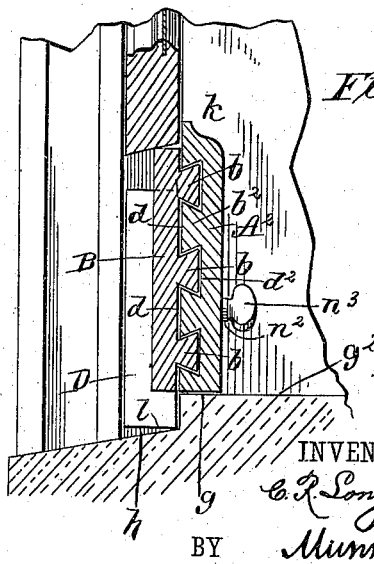


Fig. 3



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CHARLES R. LONG, OF LOUISVILLE, KENTUCKY.

WINDOW-VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 383,582, dated May 29, 1888.

Application filed November 16, 1887. Serial No. 255,281. (No model.)

To all whom it may concern:

Be it known that I, CHARLES R. LONG, of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and Improved Window-Ventilator, of which the following is a full, clear, and exact description.

The purpose of the present invention is to provide a guard and rest at the lower portion of a window-casing which will enable the sash to be raised for a suitable height and then supported, permitting the entrance of a current of air between the then separated meeting-rails of the sashes, which guard will be adaptable to any size of window-casing, will be securely maintained in place in the window casing, and will prevent, when the sash rests thereon, if desired, the entrance of any air at such lower portion of the casing; and the invention consists in the formation and combination of parts for operation in relation to each other and to the window casing and sash, all substantially as will hereinafter more fully appear, and be specifically pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a view of a window casing and sashes from the inner side thereof with the window-ventilator applied in operative relation thereto. Fig. 2 is a vertical cross-section of the ventilating device on line *x x*, Fig. 1; and Fig. 3 is a vertical section taken on the line *y y*, Fig. 1.

The device for securing the ventilation or entrance of air at and between the sashes at their meeting-rails consists of a pair of weather strips or sections, A A^2, the one (A) provided with an outwardly-extended rib or strip, B, secured thereto and extended longitudinally beyond its inner end, *a*, for a suitable distance, said strip B on its inner face being provided with one or more dovetailed tongues, *b*, and grooves *d*, upon and within which corresponding dovetailed tongues and grooves, b^2 d^2, of the strip A^2 engage, permitting a longitudinal slide of the one strip upon the other for an extension or contraction of the length of the weather-strips to correspond with the widths of various windows. These strips A A^2 are to rest by their bottom edges on the edge *g* of the lower portion, g^2, of the window-casing just inside of its grooved sashway *h*, the extended strip B projecting outside of or into the vertical plane of the raising and lowering sash, and serves when in position as a support for the sash, the upper edge, *k*, of both weather-strips projecting above such rest-strip B.

The strips A A^2 B are supported by and from blocks D D, located beyond each end of the strip B, and lying against the outer face of the strips A A^2 at their end portions and projecting slightly beyond such ends, said blocks being preferably of about the width of the sash-groove *h*, and are adjustably attached to said strips in a manner to permit of their being raised or lowered thereon sufficiently to bring their lower edges, *l*, to the bottom of the grooved sashway *h* when the strips A A^2 rest on the edge *g* of the lower board of the casing.

The adjustable attachment means for each block D to and against the outer face of the strips A A^2 consists in providing vertical slots *m* near the ends of and through said strips A A^2, through which slots are passed screw-pins *n*, provided on their outer ends with shoulders n^2 and thumb-pieces n^3, and by their threaded inner ends passing into and engaging the screw-threaded sockets *p* in said blocks.

The sockets *p* are shown as formed in a metal bushing-plate, *q*, let into the face of the blocks D D, and at and about the outer portion of each slot *m* is provided a bushing-plate, m^2, let into the face of the strips A A^2, said bushings maintaining their respective openings from being worn away and enhancing the appearance of the device.

It will be observed that with supporting blocks and strips A A^2 having a construction such as described, whereby said strips are held rigidly from and in relation to said blocks when adjusted the one upon the other and secured, a firm and rigid seating and rest of the device may be had by said blocks upon the lower casing-groove, *h*, and by said strips A A^2 upon the inner board or ledge, g^2, of the casing in a manner to prevent any sidewise movement of the strips either inwardly or outwardly, and also that on a still further lowering of the blocks D D from and in relation to

the width of the strips A A^2 the said strips may be held in a manner to permit the support of the sash from the inner extended portion, B, and for said strips A A^2 to leave a space between their lower edges and the horizontal edge *g* of the window-casing through which air may enter, such a use of the device being at certain times desirable.

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

1. The combination, with a strip, A, having an outwardly-extended longitudinal strip or rib, B, and a strip, A^2, adapted to slide longitudinally on said strip B, of blocks D D, lying against the outer side of said strips A A^2, vertically adjustable thereon, and of fastening devices, substantially as described, for securing said blocks and said strips against movement the one upon the other, substantially as and for the purpose described.

2. The combination, with a strip, A, having an outwardly-extended longitudinal strip or rib. B, and a strip, A^2, adapted to slide longitudinally on said strip B, said strips A A^2 having vertical slots *m* through them, of blocks D D, having screw-sockets *p*, and thumb-screws *n*, passing through said slotted strips A A^2 into said screw-socketed blocks, substantially as and for the purpose described.

3. The combination, with a strip, A, having an outwardly-extended longitudinal strip or rib, B, below its upper edge, *k*, provided with tongue and groove, and a tongued and grooved strip, A^2, adapted to slide longitudinally on the said strip B, said strips A A^2 having vertical slots *m* through them, of blocks D D, having screw-sockets *p*, and thumb-screws *n*, passing through said slotted strips A A^2 into said screw-socketed blocks, substantially as and for the purpose described.

CHARLES R. LONG.

Witnesses:
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