

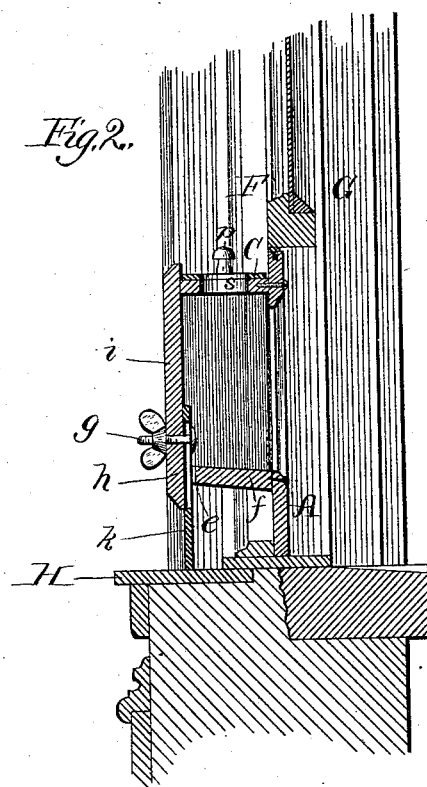
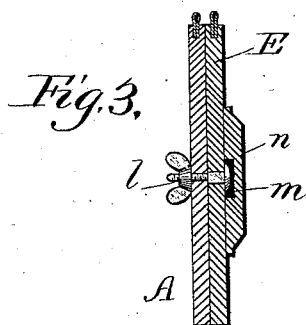
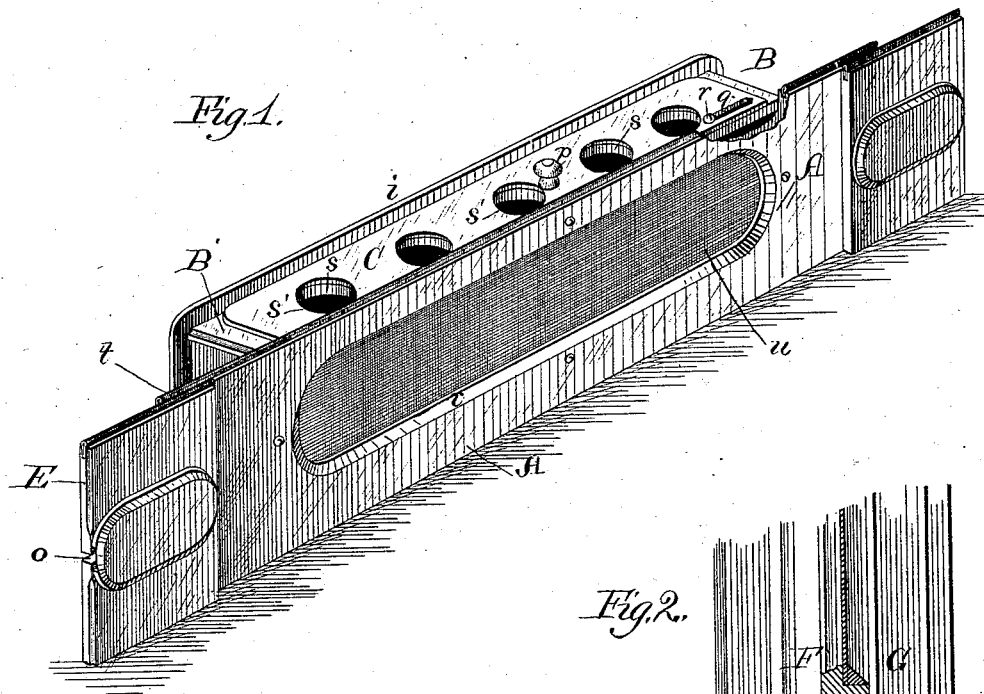
(No Model.)

W. SCHARNWEBER.

WINDOW VENTILATOR.

No. 307,338.

Patented Oct. 28, 1884.



Witnesses:  
Chas. E. Gaylord.  
W. D. Brown

Inventor:  
William Scharnweber,  
By R. C. Dyrenforth,  
His Attorney

# UNITED STATES PATENT OFFICE.

WILLIAM SCHARNWEBER, OF JEFFERSON, ASSIGNOR OF ONE-HALF TO  
HENRY KAISER, OF CHICAGO, ILLINOIS.

## WINDOW-VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 307,338, dated October 28, 1884.

Application filed February 7, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM SCHARNWEBER, a citizen of the United States, residing at Jefferson, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Window-Ventilators; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, of which—

Figure 1 is a perspective view of my device with a small portion of the back broken away; Fig. 2, a central cross-section of the same as applied to a window, and Fig. 3 a cross-section taken through one of the adjustable slides at the ends of the device.

My invention relates to a device to be set under a window-sash opened sufficiently to admit it, the device being adapted to allow the external air to pass through it to the interior of the room in greater or smaller quantities, as may be desired, or to be wholly excluded at will; and it consists, first, in the form of construction which I employ—to wit, a box open at its back, which is the portion upon which the window-sash bears, and having one of its other sides, which projects inward beyond the sash, provided with a series of openings, and also with a sliding plate having corresponding openings, whereby the openings in the box may be opened or closed at will, and having its back at either or both ends provided with an extensible attachment, for the purpose of adapting the device to windows of different widths, such attachments comprising a sliding block or plate secured to the back by a set-screw passing through a slot in the block, which slot is covered by a panel recessed to receive the head of the set-screw, whereby the ingress of air through the slot is prevented; and, secondly, in combining with a ventilator projecting inward from the window a vertically-adjustable supporting-leg at the front of the ventilator to rest upon the inner sill, all as hereinafter more fully set forth.

In the drawings, A is the back of the box, provided with an opening, *v*, for the admission of air, which opening I prefer to cover with wire-screen *u*, to exclude dust. Instead of a sin-

gle large opening, as shown, a series of small openings may be substituted, if preferred. The back should preferably extend beyond the remaining portion of the box, both at the sides and ends, and should have a weather-strip, *t*, of india-rubber along its upper edge or along both its upper and lower edges. In one of the other sides of the box, preferably the upper side, B, is a series of openings, *s*, and lying against that side is a plate, C, provided with openings *s'*, corresponding in size, number, 60 and relative position with the openings *s*. This plate is secured in place by pins or screws *r* in the side of the box passing through slots *q* in the plate, whereby the latter may be slid back and forth longitudinally by taking hold 65 of the knob *p*. The slots *q* are of such length as to permit the plate to be so moved as either wholly or in part to cover the openings *s* or to uncover them entirely. The back A should be of such length as to fit closely between the 70 sides of the window-casing, and since windows vary considerably in width I do not regard the device as complete without adjusting attachments at one or both ends. These attachments comprise blocks E, corresponding in 75 height with the back A, and provided with a horizontal slot, *o*, extending about half-way across the block, and also with a panel, *n*, covering the slot. This panel is provided with a recess, *m*, over the slot large enough to receive the head of a clamp-screw, *l*, which 80 passes through both the slot *o* and the back A near the end of the latter. Thus the back may be lengthened or shortened at will within certain limits, to conform to different windows, 85 without allowing air to enter the room through a non-controllable opening, as would be the case if the slots *o* were uncovered. The inner side of the box requires a support to rest upon the window-sill, in order that the device may 90 not have to be held in place wholly by the pressure of the window-sash upon it. This is furnished by the leg *k* at the center of the inner wall, *i*, of the box; but since the required length of this leg is not uniform for different 95 windows, I make it adjustable by providing it with a longitudinal slot, *h*, and connecting it to the wall *i* by a set-screw, *g*, passing

through the wall *i*. The base *f'* of the box is provided with an opening at *e* for the passage of the leg. I generally make the base *f* inclined downward from the front wall, *i*, to the back *A*, and even with the lower edge of the opening *v* at the latter point, as shown, to allow any water which may enter the box to run off.

In Fig. 2, which represents my device as applied, *F* is the window-sash resting upon the back *A*, *G* the casing, and *H* the inner sill upon which the leg *k* rests. Such a leg may be used to advantage with any ventilator which fits under a window and projects inward therefrom.

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

1. In a window-ventilator, the combination of the box having the open back *A*, and hav-

ing one of its other sides provided with openings *s*, sliding plate *C*, provided with openings *s'*, to open or close the openings *s*, and the adjusting attachments upon one or both ends of the said back, each comprising the block *E*, having the slot *o*, panel *n*, having the recess *m*, and clamp-screw *l*, the whole being constructed and arranged to operate substantially as described.

2. In combination with a ventilator which fits under a window-sash and projects inward therefrom, a supporting-leg for the inner part of the device made vertically adjustable to adapt it to window-sills of different heights, substantially as described.

WILLIAM SCHARNWEBER.

In presence of—

WM. H. DYRENFORTH,

C. C. LINTHICUM.