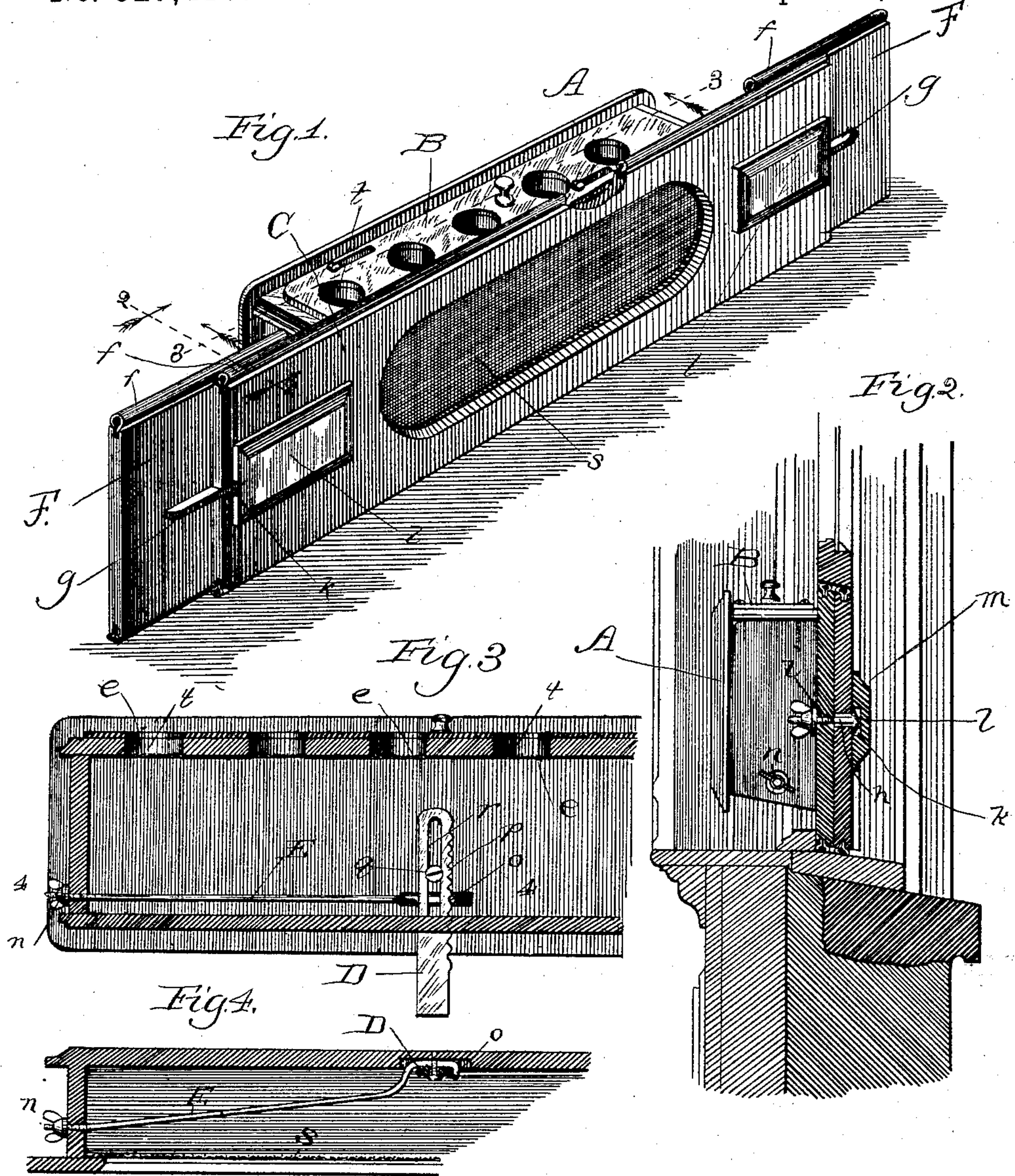


(No Model.)

W. SCHARNWEBER.
WINDOW VENTILATOR.

No. 327,415.

Patented Sept. 29, 1885.



Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM SCHARNWEBER, OF JEFFERSON, ASSIGNOR OF ONE HALF TO GAY DORN, OF CHICAGO, ILLINOIS.

WINDOW-VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 327,415, dated September 29, 1885.

Application filed July 25, 1884. (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.

My invention relates to certain improvements in devices for the same purpose as that for which Letters Patent of the United States No. 307,338 were granted to me October 28, 1884.

In its general construction the ventilator to which my present improvements are applied is the same as that shown and described in my said former patent—that is to say, a box with openings in its top regulated by a slide is provided with an extensible back having a screened opening. The back being set under the window-sash with the box projecting into the interior of the apartment, air from without passes through it in proportion to the degree that the slide is opened.

As formerly constructed, my device was liable, under some circumstances, to interfere with the closing of the inside shutters. The object of my present invention is to overcome this difficulty by making the set-screw which secures the adjustable leg operate from the end instead of the front of the device, and cause the sliding extensions to work upon the inside instead of the outside of the back, thus permitting the latter to be set farther out under the sash than formerly. In this way the space occupied by the device within the apartment is diminished to the extent of more than one inch without any decrease of size, thus leaving ample room for it between the sash and the shutters in all ordinary cases.

Subordinately my invention consists also in certain details of construction, as hereinafter set forth.

In the drawings, Figure 1 is a perspective view of my improved device; Fig. 2, a sectional view of the same on the line 22 of Fig. 1 as applied to a window; Fig. 3, a longitudinal section taken on the line 3 3 of Fig. 1;

Fig. 4, a horizontal section taken on the line 4 4 of Fig. 3.

A is the box, having openings *t*, and provided with the slide B, having corresponding openings, and C is the back, having a screened opening, *s*, all as shown and described in my said former patent.

D is the vertically-adjustable leg in the front portion of the box A, for the purpose of supporting the latter upon window-sills of varying levels with reference to the frame. This leg passes through an opening in the bottom of the box, and is provided with a slot, *r*, which slides on a screw, *q*, in the front wall of the box. It is provided in one edge with notches *p*, and is partly surrounded by the hooked end *o* of a rod, E, which rod extends out through the end of the box, where it is screw-threaded, and provided with a thumb-nut, *n*. It will thus be seen that to adjust the leg it is only necessary to loosen the nut, move the leg up or down to the required distance, and then tighten it again. The notches may be dispensed with, but it is preferred to employ them, as thereby the requisite firmness can be obtained with but little strain upon the screw.

F F are extensions for the back to adjust the device to windows of varying widths. The operation of this adjusting device is similar to that shown in my former application; but the construction differs in the fact that the back C, instead of the extension F, is provided with a slot, *m*, covered by a panel, *l*, provided with a recess, *k*, to receive the head of a screw, *i*, while the extension F is provided only with an opening for the passage of the screw.

To prevent the screw from turning in the slot, I afford to it a peculiar construction, description of which is omitted from the present specification, as I intend that it shall form the subject of a future application for a patent. I also usually add to the extension F a cleat, *g*, to enter the slot *m* and slide in the same, thus giving stability to the extension. Moreover, I set the extension on a level with the back, as clearly represented in Fig. 2, thus causing it to conform with the level of the window

sash and sill and produce a tight joint by means of the weather-strips *f*. To prevent children and others from dropping articles through the openings *t*, I cover them on the 5 inside with a screen, *e*.

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

1. In a ventilator comprising the box A, having openings regulated by a slide, and 10 open back C, the combination, with the vertically-sliding leg D, of the hooked rod E and nut *n*, substantially as described.

2. In a window-ventilator comprising the box A, having openings regulated by a slide,

and the open back C, the combination, with 15 the leg D, provided with the slot *r*, and notches *p*, and secured to the front wall of the box by means of a screw, *q*, passing through the slot, whereby the leg may be moved vertically, of the rod E, extending through the end of the 20 box and hooking around the leg and having its outer end screw-threaded and provided with a nut, *n*, substantially as described.

WILLIAM SCHARNWEBER.

In presence of—

GAY DORN,

DOUGLAS DYRENFORTH.