

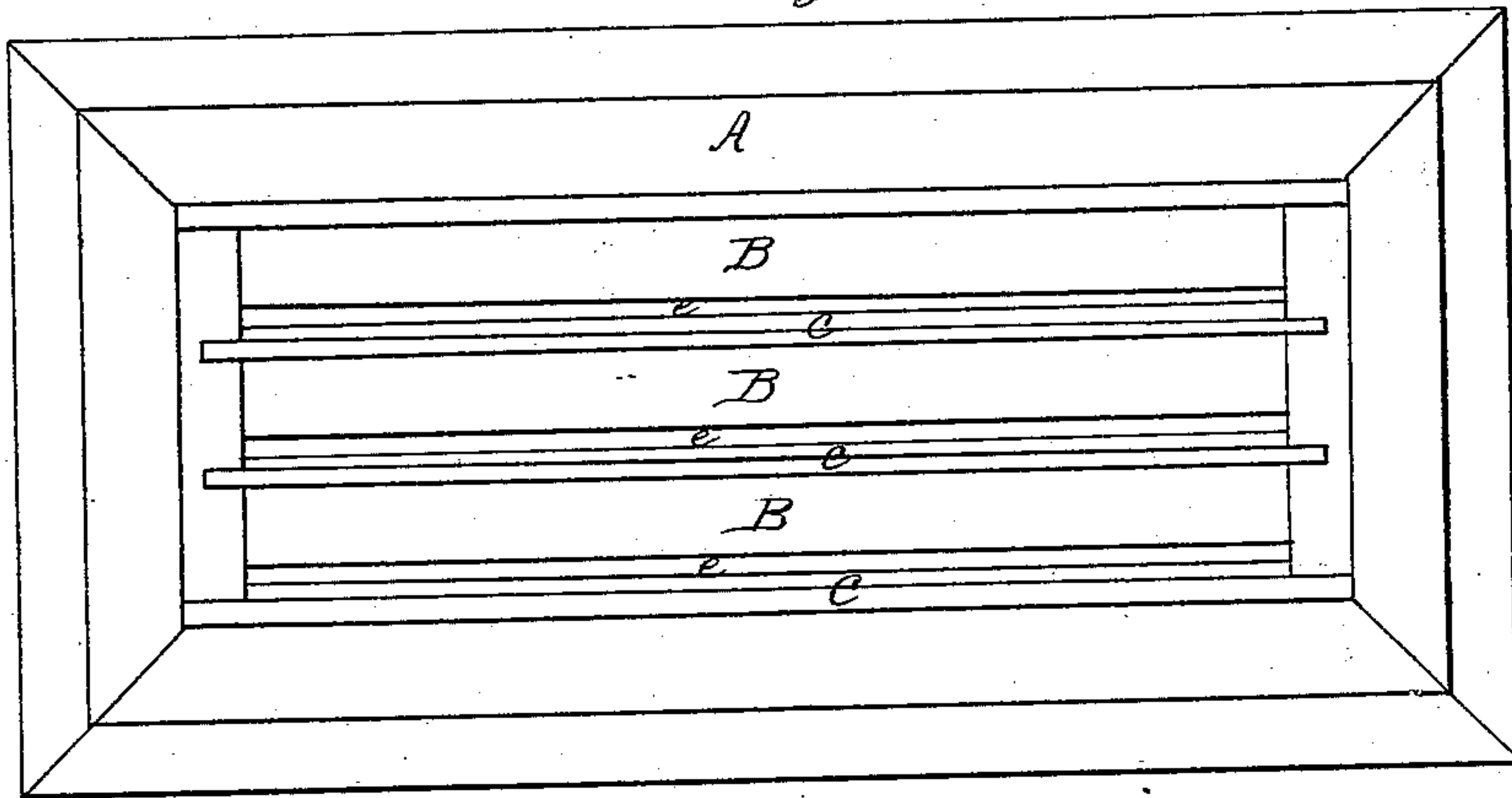
*W. L. Washburn.*

*House Ventilator,*

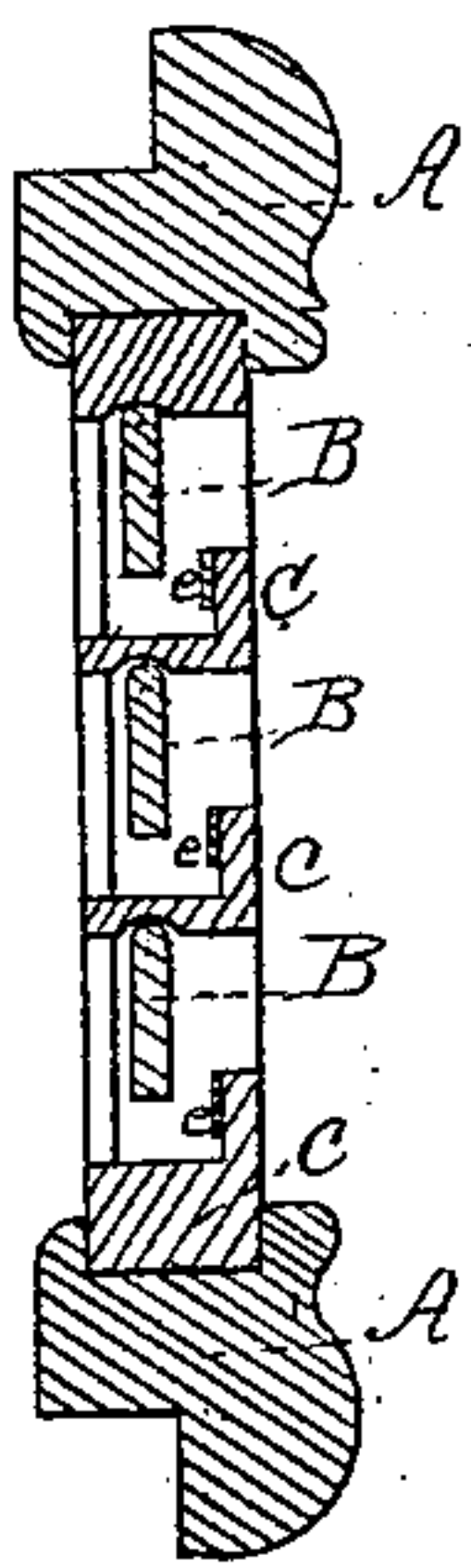
*No. 61,585.*

*Patented Jan. 29, 1867.*

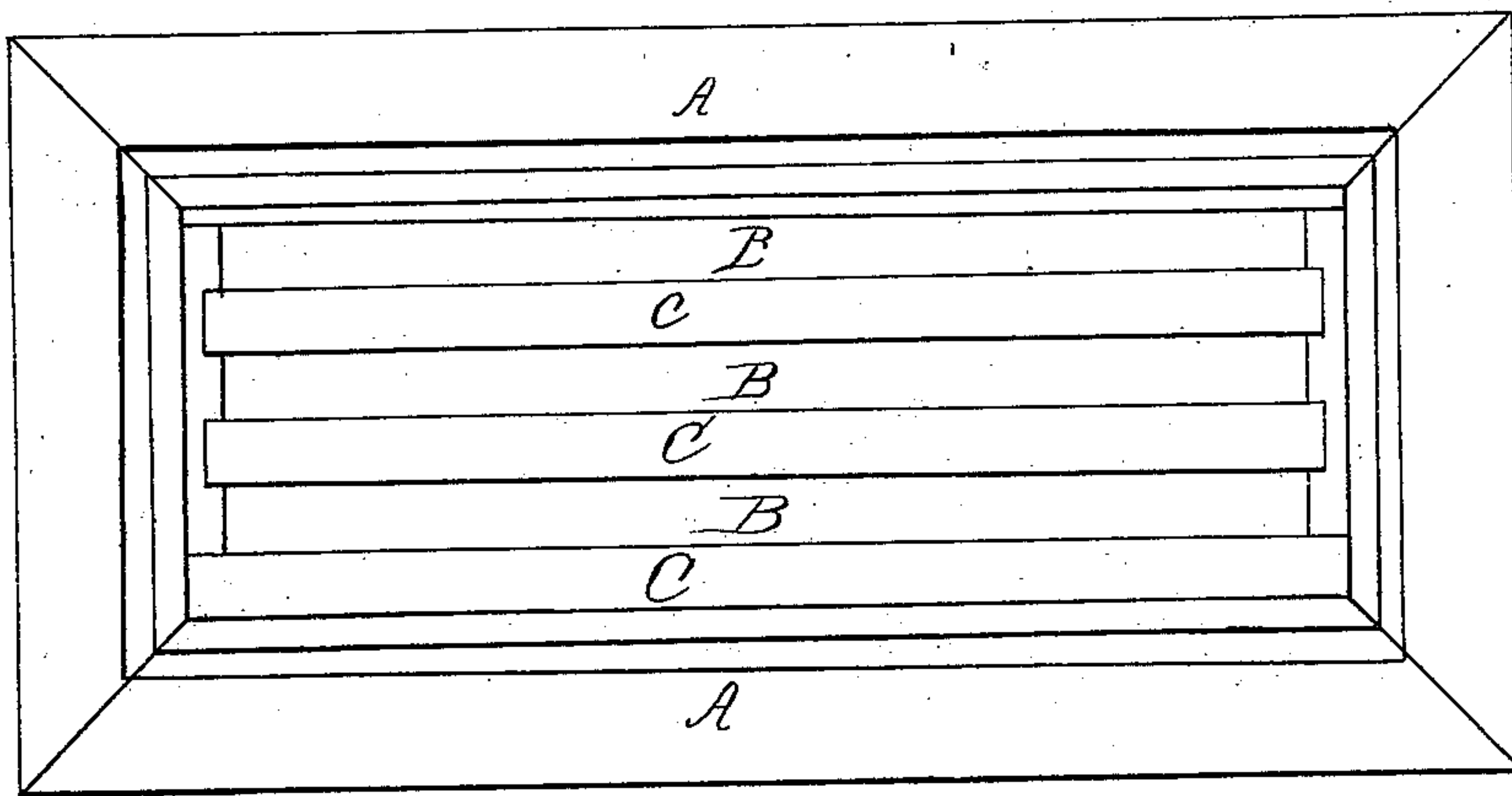
*Fig. 1*



*Fig. 3*



*Fig. 2*



*Witnesses:*

*A. Wickham*  
*R. H. Seaton*

*Inventor:*

*Wm. L. Washburn*  
*By How & Weston*  
*Atty*

# United States Patent Office.

WILLIAM L. WASHBURN, OF BROOKLYN, NEW YORK.

*Letters Patent No. 61,585, dated January 29, 1867.*

## IMPROVEMENT IN VENTILATORS FOR WINDOWS, &c.

*The Schedule referred to in these Letters Patent and making part of the same.*

Specification of certain Improvements in Ventilators for Dwellings, Cars, and other purposes, invented by WILLIAM L. WASHBURN, of Brooklyn, in the county of Kings, and State of New York.

The object of my invention is to furnish a cheap and reliable means for ventilating dwellings and other buildings, cars, vessels, &c., which shall exclude sudden gusts of wind and protect those within from the direct action of the draught. It consists in the combination, with a stationary or adjustable frame, of two or more sets or pairs of swinging or flap-valves and flanged shelves combined, similar to those described in Letters Patent of the United States granted to me on the 2d day of July, 1861, whereby a ventilator is produced which can be applied in any place or position where it is needed in any dwelling or other building, car, or vessel. It may be put on the top of a window sash and made to slide up into a recess made for it in the wall above, or to fold inward or outward, or it may be made to fit into a casement in the side or wall of a car or building and remain stationary therein, and an additional shutter or sash may be placed in front of or behind it, as may be desired. In the accompanying drawings—

Figure 1 is an outside view of my improved ventilator.

Figure 2 is an inside view of the same.

Figure 3 is a vertical cross-section of the same.

A is the frame, which may be varied in form to adapt it for the place for which it is intended. It has, in the form shown, a rabbet running around the outer edge to adapt it to be fitted into a casing. B B are the valves, which are hung in the frame at their upper corners and swing freely thereon; and C C the flanged shelves which are fixed stationarily in said frame. *e e* are narrow strips of velvet, India rubber, or other suitable material, put on the flanges of the shelves C C to deaden the sound when the valves B B are blown violently against them by the wind. The ventilator described can be made of any suitable metal or wood, and any number of sets or pairs of the valves and shelves may be put into one frame to suit the nature of the case. It is peculiarly adapted for use in railroad cars, though it can be advantageously employed in many other places. Used in cars, it will exclude the dust and cinders, as a gust or current of air strong enough to carry them into the car will close the valves, while on the other side of the car they will remain open. For the same reason this ventilator is very valuable in cities and other places where much dust and dirt are liable to be blown about by the wind.

Having thus fully described my invention, I claim—

The combination, with a stationary or adjustable frame A, of two or more sets or pairs of swinging or flap-valves and flanged shelves, substantially as and for the purpose hereinabove specified.

WILLIAM L. WASHBURN.

Witnesses:

H. JAMES WESTON,

R. H. SEATON.