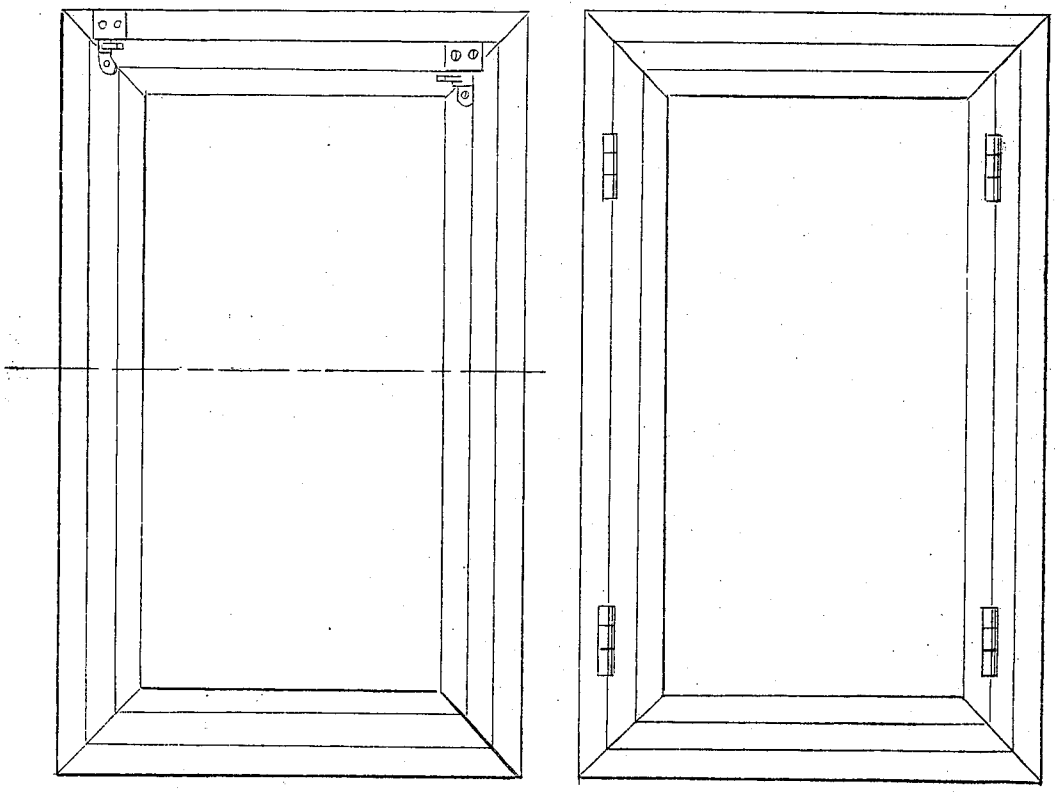
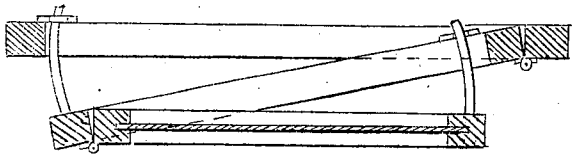
W. B. Dunning's Car Window

PATENTED

72274 DEC 17 1867





Witnesses

Alex. F. Roberts

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United States Patent Office.

WILLIAM B. DUNNING, OF GENEVA, NEW YORK.

Letters Patent No. 72,274, *dated December* 17, 1867.

RAILROAD-CAR VENTILATOR.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM B. DUNNING, of Geneva, in the county of Ontario, and State of New York, have invented a new and useful Improvement in the Hanging of Window-Sash, Door, or Ventilating-Frames to Cars or other Land Conveyance, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The present invention consists in so hanging a window, door, or ventilating-frame within the body of a car or other land conveyance that it can be swung in either direction, that is, either on the right or left, according to the direction in which the car, &c., is moving, or as may be desired to allow ventilation, and at the same time prevent the entrance of dust to the inside of the car. In the accompanying plate of drawings my improvement in the hanging of window or other frames is illustrated—

Figure 1 being a front elevation of a sash-frame hung according thereto, and

Figure 2 a horizontal section, taken in the plane of the line *y y*, fig. 1.

A, in the drawings, represents a window-frame, and B a sash-frame, arranged thereto, so as to be raised and lowered as ordinarily. The sash-frame B is made of two frames, C and D, one fitting within the other, with the glass plate E fixed or secured within the inner one, and such inner one hung upon one side or edge, F, by hinges, so as to be swung to open upon the opposite side, the movement or swing thereof being limited by a curved arm, G, applied to the upper edge of the said frame, and playing through a loop, H, fixed in the proper position upon the outside frame, and thereon catching by its outer hook-shaped end I. The outer sash-frame is hung to the window-frame, upon the opposite side to that by which the inner frame is hung to it, so that by such outer frame the window can be opened upon the opposite side, the movement being limited, as before, by a curved arm, L, and loop M, properly applied and arranged therefor, as before described.

From the above description it is plainly obvious, that the window can be opened upon either side, or upon both at once, if so desired, whereby a person is enabled to so adjust them, that while allowing ventilation to the car, the entrance of dust, cinder, &c., therein, is entirely prevented.

Although I have herein above described my invention particularly with reference to window-frames, I wish it to be distinctly understood that I do not intend to limit myself to such frames, or to any particular style, kind, or shape of frame to which it may be applicable or desirable to adapt my invention.

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

A window, sash, or other frame, made of two frames, one within the other, and hinged or otherwise hung, the inner to the outer and the outer to any suitable frame, so as to be susceptible of the operation, substantially as and for the purpose described.

The above specification of my invention signed by me, this 21st day of August, 1867.

WM. B. DUNNING.

Witnesses:

IRA PARKER,

JAMES SWAN.