W. H. Hunt,

Car Ventilator.

No. 106,940. Patented Aug. 30. 1870.

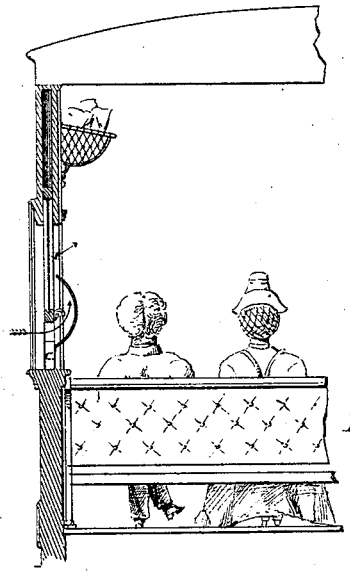


Fig. 2.

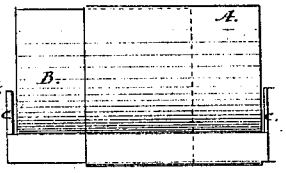
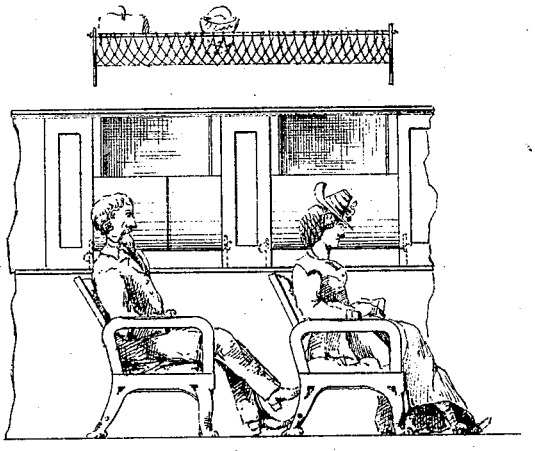


Fig. 1.



Witnesses;
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WILLIAM H. HUNT, OF BOLTON, CONNECTICUT.

Letters Patent No. 106,940, *dated August* 30, 1870.

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 H. HUNT, of Bolton, Tolland county, State of Connecticut, have invented an Improvement in Means for Ventilating; and the following is declared to be a correct description of the same.

The object of this invention is to ventilate by an ordinary car-window without exposing the occupants of the car to a draught of air.

If a car-window is raised, a current of cold air flows in direct line upon the side and face of the occupants of the seat immediately in front of the opening, exposing them to chills and colds, and passes on to the seats opposite, and in front and rear of the other inmates of the car. As a consequence, people, when traveling, prefer to suffer themselves for want of pure air to breathe, than to subject themselves and others to the danger of such exposure.

My invention consists in a method of admitting air by means of the opening at the bottom of the window, giving it an upward and rotating motion by the use of an ogee-shaped metal strip projecting from the bottom of the window-frame upward, and in front of the opening, upon which the incoming current impinges, causing it to rise and return upon the window, rebound upward, and pass into the car, and mingle with the warm air above the heads of the occupants of the seat, thus furnishing a revolving current of pure air for breathing, without the least perceptible draught, and not in sufficient volume to cause any chilling or danger to perfect health.

Figure 1 is a front view of my invention.

The drawing shows the invention as applied to the window, and the dotted lines indicate an extended view of the same. It consists of two narrow strips of sheet metal, A and B, shown in the dotted lines in an ogee-shaped form, bending out from the window, opening, returning in a small circle nearly to the sash.

The strip A is lapped over the strip B, for shortening and lengthening the ventilator to the varying widths of windows.

Figure 2 is an end view or vertical section of my invention.

C C are flanges, extending from the bottom, at and slightly beyond each end of the strips, and so arranged as to support the window at each side as it rests upon the flanges, and also to extend into the groove in the window-frame, so preventing the escape of the apparatus from its upright place in and before the opening.

The air is admitted at the opening indicated at C in fig. 2, passes on toward A, meets the resistance of the curved strips A and B, revolves toward B, as described in fig. 2, and is deflected by the window-pane into the upper and middle portion of the car, above the passengers, substantially as described.

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

An ogee strip or molding placed opposite the opening at the bottom of a car-window, to check the inflowing current, and give it an upward and rotating motion, substantially as and for the purpose set forth.

Also, the flanges C C, in combination with the window-groove or frame, to enable me to make a portable ventilator for cars.

Also, the combination of the two narrow strips of the sheet metal, together with the flanges C C, as and for the purpose set forth.

WILLIAM H. HUNT

Witnesses:

ALONZO WILLIAM PORTER,
H. M. SMITH.