

I. A. SALMON.
Car-Ventilators or Screens.

No. 150,192.

Patented April 28, 1874.

Fig. 1.

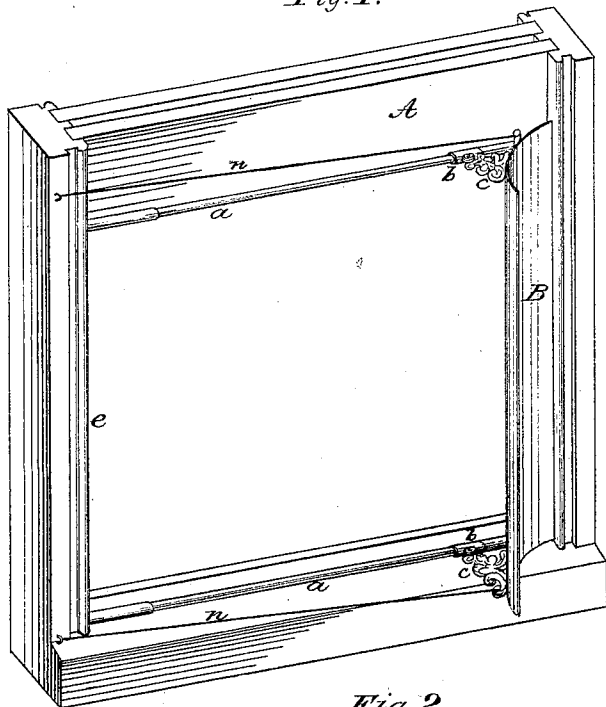
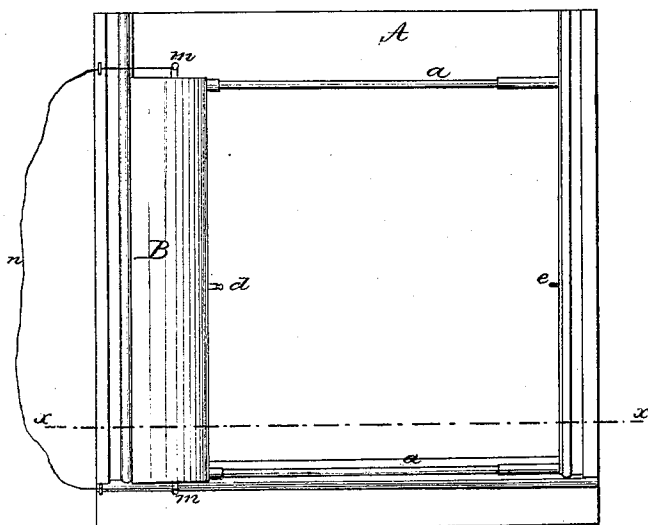


Fig. 2.



Witnesses:

J. C. Brecht,
C. H. Wilson

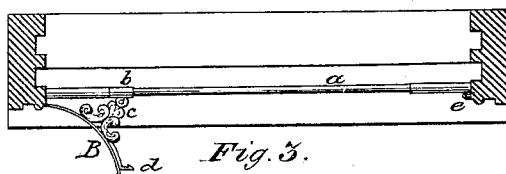


Fig. 3.

Inventor:

Ira A. Salmon

by

A. H. & R. H. Evans,
his Atty

UNITED STATES PATENT OFFICE.

IRA A. SALMON, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN CAR VENTILATORS OR SCREENS.

Specification forming part of Letters Patent No. **150,192**, dated April 28, 1874; application filed October 21, 1873.

To all whom it may concern:

Be it known that I, IRA A. SALMON, of Boston, Massachusetts, have invented a new and useful Improvement in Ventilators or Screens, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my invention. Fig. 2 is a front view with screen reversed. Fig. 3 is a section through the line *x x*.

My invention relates to that class of ventilators applied to the windows of passenger-cars on railways, in order to produce such a current in the air as will keep sparks and cinders from entering the car when the windows are open; and it consists in the combination and arrangement of a curved plate of metal or other suitable material with supporting rods, braces, and slides.

To enable others skilled in the art to make and use my invention, I will proceed to describe the exact manner in which I have carried it out.

In the drawings, A represents a window of a railway-car with my invention attached thereto. Horizontally across the window, near the upper and lower edges, are secured the bars *a a*. B is a curved plate, as shown in Fig. 3, having, at its upper and lower ends, a brace, *c*, pivoted to the slide *b*. This slide is made to fit smoothly over the bar *a*, so as to

move along the bar from side to side, in order to change the plate B from one side of the window to the other, as may be required. On that side of the plate B next the ends of the car, and on the end windows only, is a catch, *d*, which passes through the eye *e*, and holds all the plates in position. A wire, *n*, may be used, secured to the pins *m m*, uniting all the screens on one side of the car, so that by changing the forward screen all the rest will be changed to suit the direction of the cars.

The operation of my invention is as follows: Suppose the plate or screen B to be in the position shown in Fig. 1. The passenger is on the left, and sits facing the screen. The cinders from the engine, instead of entering the open window of the car, will be turned off by the curved plate B, which causes the current of air to eddy or glance from the car. The plate B may be made of any ornamental curve shape.

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

The curved plate B, constructed with the braces *c*, in combination with the bars *a a* and slides *b b*, when applied to a railway-car window, substantially as and for the purpose set forth.

IRA A. SALMON.

Witnesses:

A. K. P. JOY,
WM. H. STUBBE.