

J. P. O. Lomisdale.

Car Ventilator.

Nº 91,947.

Patented Jan. 29, 1869.

Fig. 2.

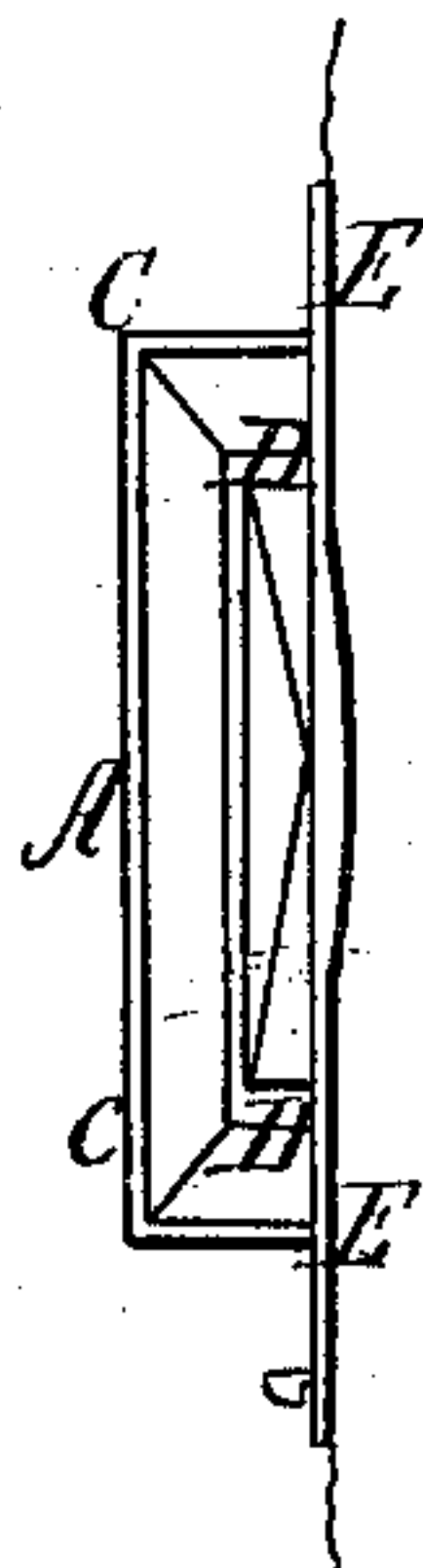


Fig. 1.

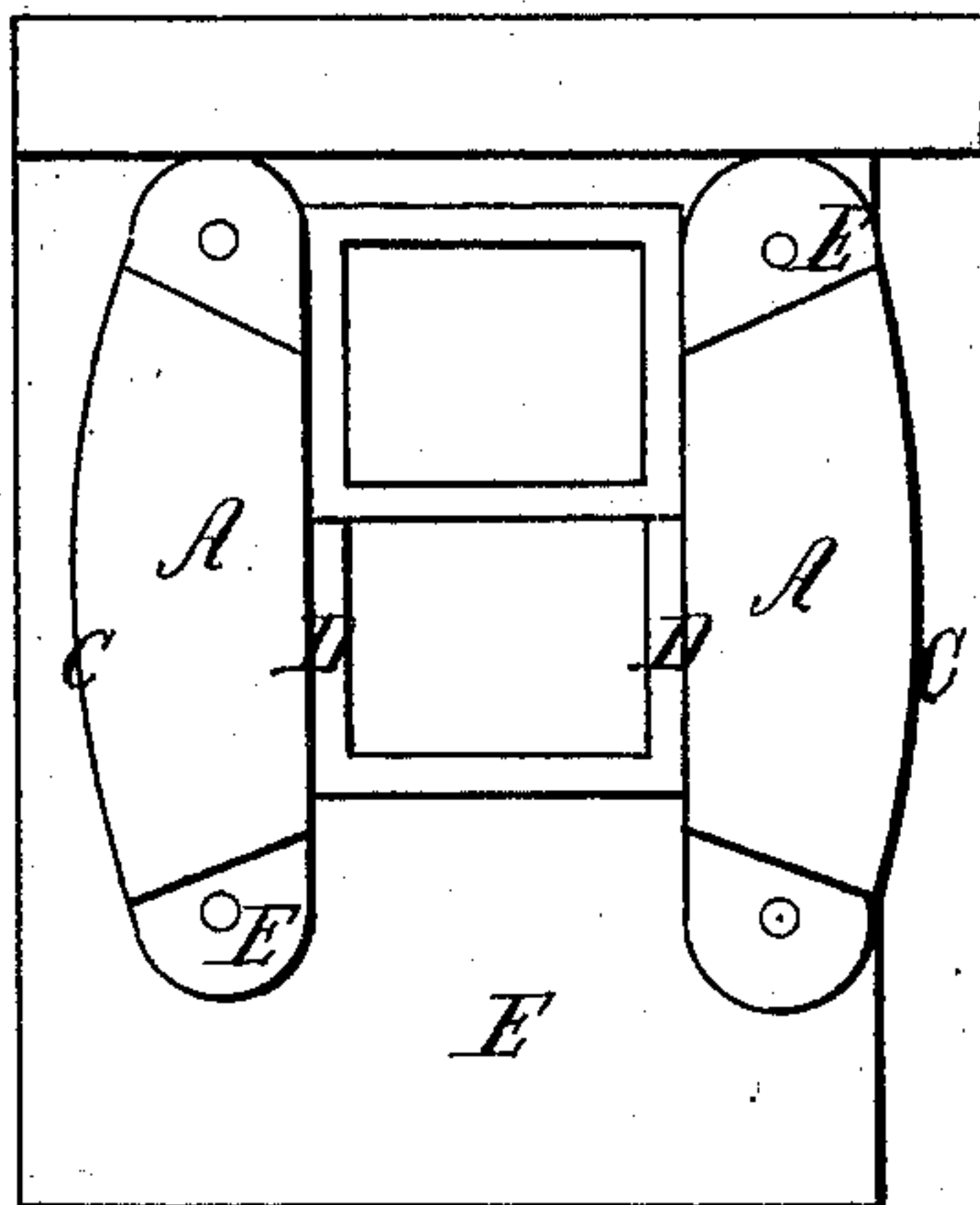
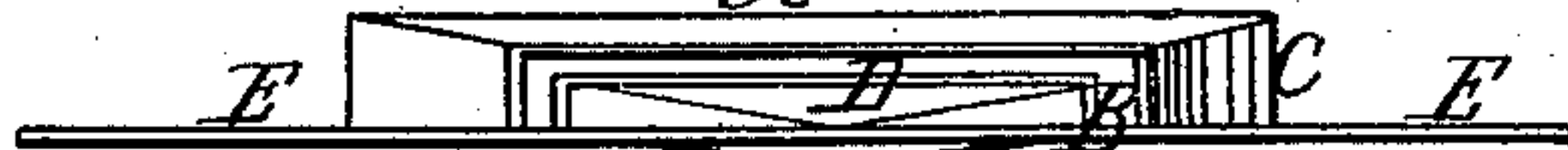


Fig. 3.



Witnesses;
Thos. Truebe
J. A. Fraser

Inventor;
J. P. O. Lomisdale
Per Munnell &
Attorneys

United States Patent Office.

J. P. O. LOWNSDALE, OF PORTLAND, OREGON.

Letters Patent No. 91,947, dated June 29, 1869.

DUST-DEFLECTOR FOR RAILROAD-CARS.

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, J. P. O. LOWNSDALE, of Portland, in the county of Multnomah, and State of Oregon, have invented certain new and useful Improvements in Dust-Deflectors for Railroad-Cars, &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, forming part of this specification.

The present invention relates to improvements in dust-deflectors for the windows of railroad-cars and other means of land conveyance; and

The invention consists in a novel construction of such deflectors, whereby, when applied to a car, if such car is moving with any degree of speed, it will produce a sufficient draught in the proper direction to carry off the dust, &c., from the windows, which would otherwise have a tendency to enter or be drawn into the same.

In the accompanying plate of drawings, my improvements in deflectors for car-windows are illustrated—

Figure 1 being a front view of a window, having them applied to the sides thereof, and

Figures 2 and 3, edge views of the deflectors, but in different directions.

Similar letters of reference indicate corresponding parts.

A, in the drawings, represents my improved deflectors.

These deflectors are to be made of sheet-iron, brass, or other suitable metal or material, of the proper pro-

portions in their several directions, as in width, length, and thickness, and with a funnel or tapered shape, as shown in the drawings, forming an air-passage, B, the mouth, C, of which is larger than the discharge D.

The deflectors are each secured to a plate, E, which is adapted to be attached to the side of a car, by any suitable means, in such a manner as to be readily removed therefrom, and changed to accommodate the direction in which the car is to move.

When the deflectors are used, they are hung upon the car alongside of the windows, with the mouth C of the air-passage toward the front end of the car, when, by the forward motion of the car, the air is thus caused to rush through such air-passage, producing a draught in front of the window, across the same, sufficient to carry off and away therefrom the dust which would otherwise have a tendency to pass into the car through the window.

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

The metallic dust-deflector for cars, consisting of the funnel-shaped case A, enclosing the inner triangular-shaped projection, both placed upon the plate E, in reverse positions with relation to each other, substantially as described, for the purpose specified.

The above specification of my invention signed by me, this 23d day of September, 1867.

J. P. O. LOWNSDALE.

Witnesses:

FRED. K. ARNOLD,
W. S. CALDWELL.