

J. P. CURRY.

RAILROAD CAR DUSTER AND VENTILATOR.

No. 106,786.

Patented Aug. 30, 1870

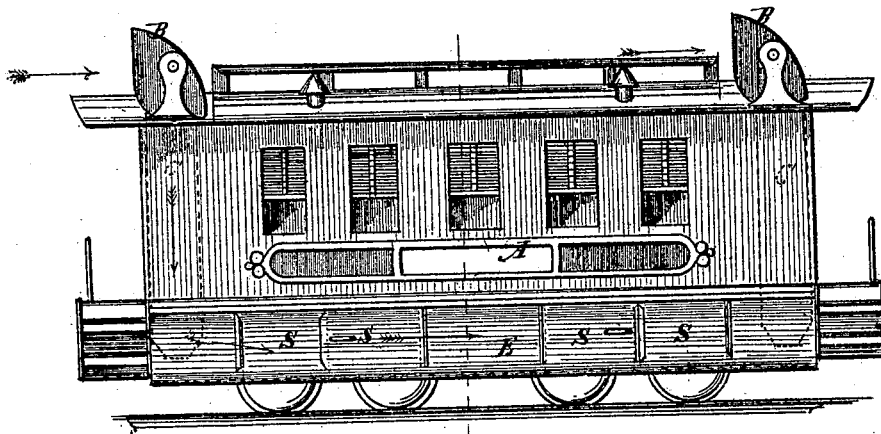


Fig. 1.

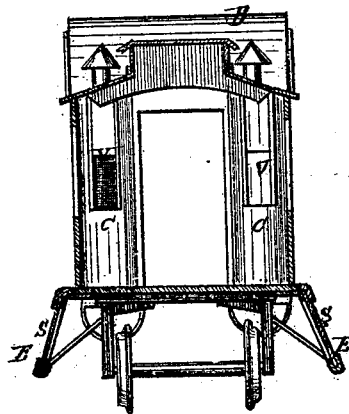


Fig. 2.

WITNESSES:

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United States Patent Office.

JOHN PENN CURRY, OF NEW YORK, N. Y.

Letters Patent No. 106,786, dated August 30, 1870.

RAILROAD-CAR DUSTER AND VENTILATOR.

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

I, JOHN PENN CURRY, of the city of New York, in the county of New York and State of New York, have invented a new and useful Improved Railroad Duster, of which the following is a specification.

The Nature and Object of my Invention.

My invention relates to the metallic curtains E, attached to the car, and extending down outside of the wheels to near the ground, for the purpose of retaining the dust beneath the car, and providing said curtains with slides or removable portions, S, so as to make the wheels and journal-boxes accessible, in combination with reversible hood B, that can be turned either way, and catch or gather the wind and force it down the tubes or pipes beneath, said pipes being provided with ventilators, as will be more fully described hereafter. The objects of the hood and pipes or tubes are to gather the air as the car is in motion, and force it down beneath the car and away the dust, and prevent it from rising into the car.

Description of the Drawing.

Figure 1 represents a side elevation of a railway car, with my improvements attached, and

Figure 2, a sectional view, taken at the line x x.

General Description.

A represents any railway coach.

B is a reversible hood or air-gatherer, placed on the car, and, by being pivoted, as shown, it will turn partly over, so as to gather the air when the coach is moving in either direction.

C are air-tubes or pipes, for conducting the air gathered by the hoods B down beneath the car.

E are the metallic curtains or dust-confiners, for

confining the air and dust beneath the car, as hereafter described.

S are slides or doors, that can be slid back on the curtains E, to make openings for reaching the wheels and journal-boxes, and examining and repairing the running part of the car.

V are openings in the air-tubes, with slides or covers, for opening or closing them, to admit air into the car, as desired. A fine wire-gauze, placed over the opening, serves to prevent any sand and cinders passing into the car. The object of these openings is to ventilate the cars by forcing air through them.

The metallic curtains are sufficiently rigid to hold the pressure of air beneath them that is forced down through the tubes C, and, as the air is held confined beneath the car, the dust and sand are kept from being raised, to a great extent, by the motion of the car. The air being compressed and confined beneath the cars all the while, the motion of the car does not have the same effect upon the dust and sand beneath the car as when the air is not compressed beneath the car. The principal object of the curtain is to confine the air that is forced beneath the cars, so that it will be compressed, and prevent the dust from rising.

Claim.

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

The combination of the hood B, pipe C, ventilator V, and curtain E, when constructed and operated substantially as herein set forth.

JOHN PENN CURRY.

Witnesses:

L. L. COBURN,
HEINR. F. BRUNS.