

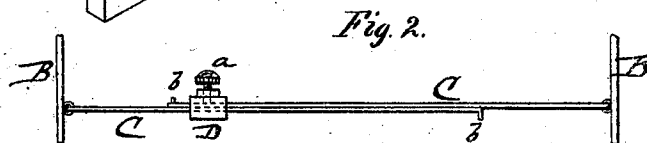
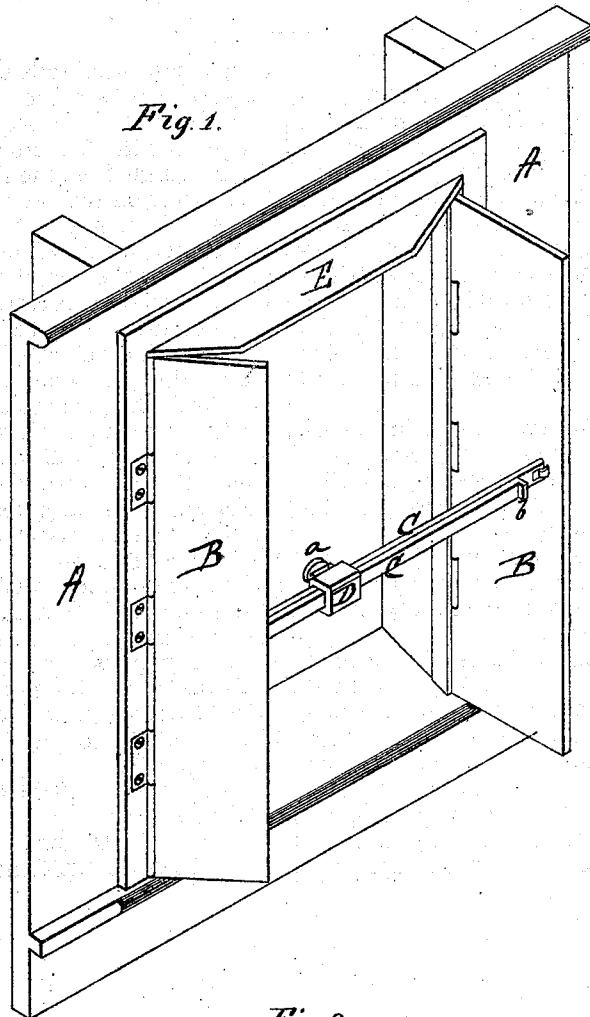
(166.)

JOHN A. ROCKWOOD.

Deflector for Railroad Cars..

No. 122,655.

Patented Jan. 9, 1872.



Witnesses:

Henry A. Miller,
C. L. Evert.

Inventor

John A. Rockwood
per Alexander Massey
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN A. ROCKWOOD, OF NORMAL, ILLINOIS.

IMPROVEMENT IN DEFLECTORS FOR RAILROAD CARS.

Specification forming part of Letters Patent No. 122,655, dated January 9, 1872.

To all whom it may concern:

Be it known that I, JOHN A. ROCKWOOD, of Normal, in the county of McLean and in the State of Illinois, have invented certain new and useful Improvements in Deflectors for Railroad Cars; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "deflector for railroad cars," as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of the outside of a portion of a railroad car, showing my deflector attached to the same; and Fig. 2 is a plan view of the deflector.

A represents the window-frame of a railroad car, on the outer side of which frame, on each side, is hinged a door or fender, B, of the same height as the frame. At or near the outer edge of each fender, and at any desired height on the same, is hinged a bar, C, and the two bars C C pass through a clamp, D, from opposite directions, and are held at any desired point by means of a set-screw, *a*, through said

clamp, the outer ends of the bars being provided with pins or shoulders *b* to prevent their being drawn out of the clamp D. By this arrangement the fenders B B may be set at any desired angle from the side of the car, in whichever direction the car may be moving, so as to prevent dust, smoke, cinders, &c., from entering through the window when the same is raised. At the top of the frame A is an outward-projecting protecting-plate, E, which prevents cinders, dust, &c., from falling down and then entering the window. In the case that the window-sill is not large or broad enough to answer the purpose the bottom may be protected by a similar plate.

The fenders B B may be made of metal, wood, or a sash with glass, as may be desired.

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

The combination, with a car-window frame, of the fenders B B, hinged bars C C, clamp D, and set-screw *a*, with or without one or two stationary protecting-plates, E, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 26th day of August, 1871.

JOHN A. ROCKWOOD.

Witnesses:

W. M. HATCH,
CHAS. L. DEMANGE.

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