A. C. BRAGONIER.

Dust-Fender for Car-Window.

No. 219,903. Patented Sept. 23, 1879.

Fig. 1.

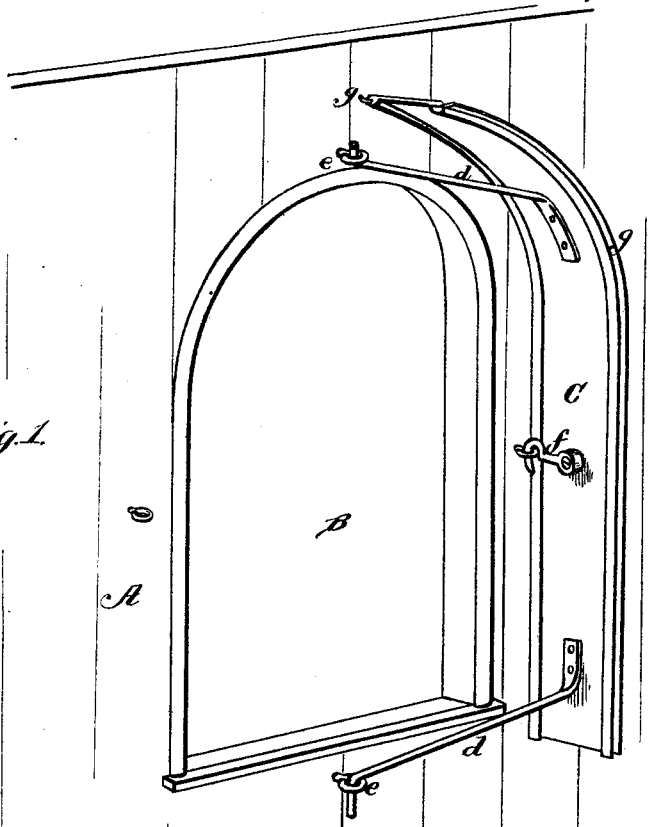
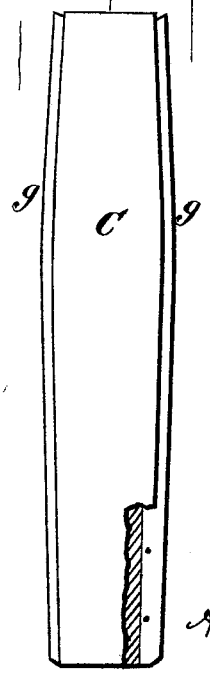


Fig. 2.



WITNESSES

Robt Everett

James J. Sheehy

INVENTOR

Alfred C. Bragonier.

Gilmore Smith & Co.

ATTORNEYS

UNITED STATES PATENT OFFICE.

ALFRED C. BRAGONIER, OF MIDDLETOWN, MARYLAND.

IMPROVEMENT IN DUST-FENDERS FOR CAR-WINDOWS.

Specification forming part of Letters Patent No. **219,903**, dated September 23, 1879; application filed July 26, 1879.

To all whom it may concern:

Be it known that I, ALFRED C. BRAGONIER, of Middletown, in the county of Frederick and State of Maryland, have invented certain new and useful Improvements in Dust-Fenders for Car-Windows; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a window, showing my device attached; and Fig. 2 is a side view, partly in section.

This invention relates to an improvement in dust-fenders for railway-car windows; and its nature consists in a fender adapted to be swung upon pivotal bearings from one side of a car-window to the other, whereby the passengers may be protected from smoke, dust, cinders, and frequently rain.

Referring by letter to the drawings, let A represent a portion of the side of a car, and B a window, arched at its top, as is usual with most cars of the present day. C designates my improved fender, which is supported by rods *a a*. These rods are secured in any suitable way—as by bolts, staples, rivets, or the like—to the fender, and have their free ends passed through or set into pivotal bearings *c c*, which may be constructed in a variety of ways without departing from the spirit of my invention, and which are located above and below the window on a vertical line taken through the center thereof.

The lower portion of the fender is straight, so that it corresponds to either of the vertical sides of the window, while its upper end has a curvature corresponding to the arch at the top of the window, and terminates at a point which is about in a vertical line through one-half of the circumference of the said arch.

This form is far preferable than if the fender were straight, since the passage of dust or cinders into the car-window from either side or top is effectively prevented.

In order to secure this fender in position upon the car and alongside of the window, so that a passenger may have the latter open, and at the same time not be subjected to the annoyance of dust, smoke, and cinders, I provide a hook, *f*, upon the fender, and arrange it to engage with a staple upon the side of the car.

It is obvious that instead of this hook and staple various forms of spring-catches may be used, such as are employed for fastening back window-blinds and for many other purposes.

Upon both of the curved and longest straight edges of the fender I secure rubber strips *g g*. These strips may be secured in position by means of slots and clamps, or in any other suitable way.

The rubber strips tend to prevent rattling of the fenders during the motion of the train, and they also effectively prevent smoke, dust, or rain from passing between the fender and the car.

In order to reverse the position of the fender with reference to the currents of smoke, dust, and cinders, it will be only necessary to unlock the fender, swing it round to the other side of the window, and then lock it by means similar to those employed upon the other side.

Having thus described my invention, what I claim is—

A reversible fender for car-windows, adapted to be swung round from one side of the window to the other, and to be secured in position along either side of the same, substantially as set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ALFRED C. BRAGONIER.

Witnesses:

ROBERT M. BARR,

JAMES J. SHEEHY.