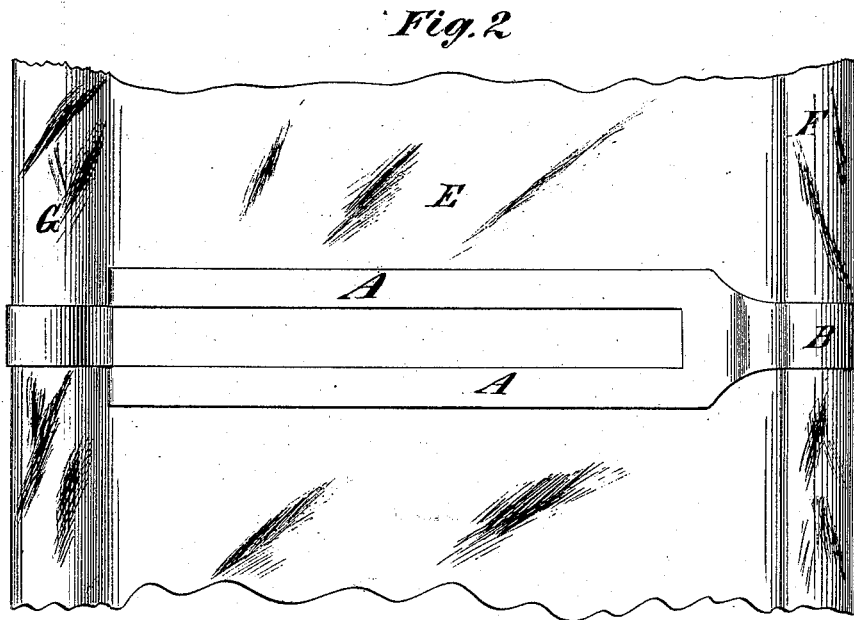
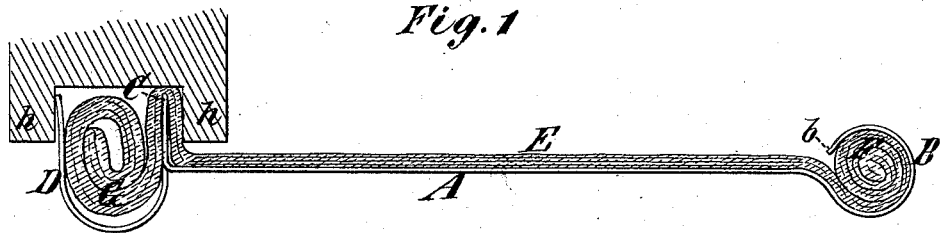


E. L. WALLACE.  
Dust-Screen Holders for Car-Windows.  
No. 198,917. Patented Jan. 1, 1878.



*Witnesses:*  
*Michael Ryan*  
*Fred. Haynes*

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN DUST-SCREEN HOLDERS FOR CAR-WINDOWS.

Specification forming part of Letters Patent No. **198,917**, dated January 1, 1878; application filed  
June 22, 1877.

*To all whom it may concern:*

Be it known that I, EDWARD L. WALLACE, of Paterson, in the county of Passaic and State of New Jersey, have invented an Improved Dust-Screen Holder for Railway-Car Windows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

The invention has for its object the supply of convenient means for forming a dust-screen with a newspaper or other material that may be formed into a sheet and rolled or folded, and for the attachment of such screen to the casement of a car-window.

Figure 1 in the accompanying drawing represents a horizontal longitudinal section through a dust-screen made of a newspaper, and through my improved screen-holder in position as when holding such screen attached to the casement of a car-window. Fig. 2 is a side view of the same.

The screen-holder consists of a bar, A, a ring, B, a projection, C, and a spring, D, either separately formed and afterward conjoined, or, which is preferable, all formed of a single piece of sheet metal. The projection C and spring D form, in horizontal projection, a U-shaped recess. The ring B has an opening, *b*, formed through it close to the bar A.

To make a dust-screen of a newspaper or sheet of other material that has some stiffness and can be rolled or folded, and to attach the same to a car-window, the manipulation is as follows, being the same for any such sheet, and hence sufficiently illustrated by the use of a newspaper for the purpose. The sheet E is first folded, to reduce it to the proper area for forming the screen. One edge of the folded sheet is then introduced into the ring through the opening *b*. The edge of the sheet intro-

duced into the ring is then rolled upon itself, drawing into the ring more and more of the folded sheet till a compact roll, F, is formed within said ring. The folded sheet E is then extended over the bar A, and the opposite edge from the roll F is formed into a roll, G, and pressed down into the U-shaped cavity between the spring D and the projection C. The window being then raised, the said projection and spring, with the inclined roll G, are pressed in between the ways *h h*, between which the sash slides, in such manner that the screen E and bar A project out of the window on that side thereof lying in the direction toward which the car is moving. The said spring and projection thus inserted between the ways *h h* bind and hold the bar and screen firmly against the pressure of the air, the screen acting to direct the draft outward and exclude the dust.

The screen-holder may be varied in its details so far as general form and material are concerned; but it essentially consists in the parts described.

One or more holders may be used, as described, said holders being designed to be ornamentally finished, and to be carried in the pockets or satchels of railway-passengers, who can, by their use, extemporize a screen at any time by the use of a newspaper, nearly always to be found on railway-cars.

I claim—

The dust-screen holder herein described, consisting of the bar A, ring B, having the opening *b*, the projection C, and spring D, for holding the folded and rolled screen, and attaching the same to the window-casing, substantially as and for the purpose specified.

E. L. WALLACE.

Witnesses:

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