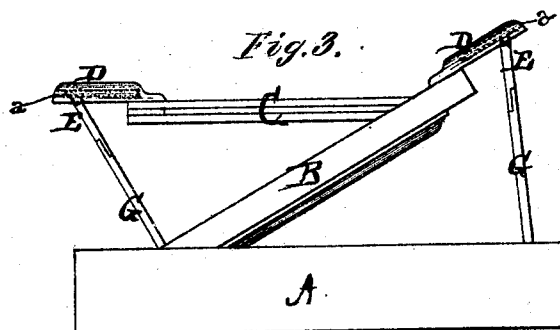
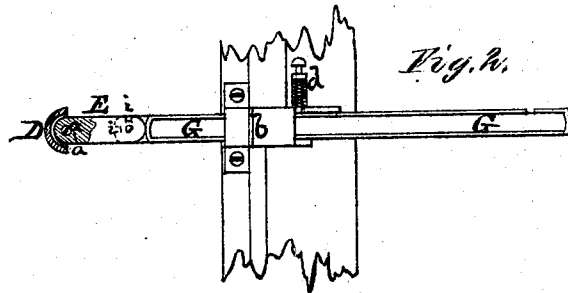
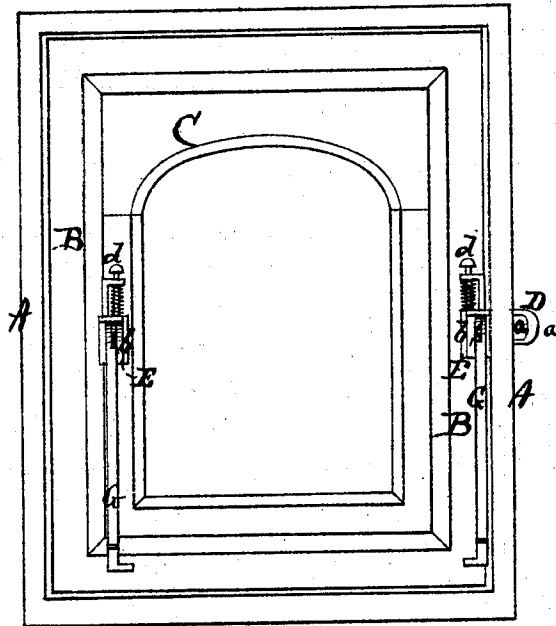


Anthony B. Sweetland's Car Window.

No. 123,059.

Fig. 1.

Patented Jan. 23, 1872.



Witnesses

John A. Ellis
J. V. White.

Inventor

Anthony B. Sweetland

Per
J. H. Alexander
Att'y.

UNITED STATES PATENT OFFICE.

ANTHONY B. SWEETLAND, OF FITCHBURG, MASSACHUSETTS, ASSIGNOR TO
HIMSELF AND JAMES DALEY, OF SAME PLACE.

IMPROVEMENT IN RAILROAD-CAR VENTILATORS.

Specification forming part of Letters Patent No. 123,059, dated January 23, 1872; antedated January 20, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, ANTHONY B. SWEETLAND, of Fitchburg, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Mode of Adjusting Railroad-Car and other Windows; and I 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, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of certain devices applied to a car-window, as will be hereinafter more fully set forth, whereby the passenger is enabled to open the window from either side, and thus at all times exclude dust, smoke, &c., without preventing the desired ventilation.

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 an inside view of the entire window. Fig. 2 is a side view of the levers at one side; and Fig. 3 is a plan view, showing the window set out parallel with the outside of the car.

A represents the usual car-window frame, within which, on one side, is hinged a frame or sash, B. In this frame or sash, but on the opposite side, is hinged the window C. To the outside of the frame or sash B, at the outer edge, is secured a hollow oblong shell, D, which projects a suitable distance beyond said sash, and has a rod or wire, *a*, running through it lengthwise. On this rod is placed a short lever, E, which slides from one end to the other of said rod, while the window, or rather the sash, is opening or shutting. The inner end of the lever E is jointed to a long lever, G, and both of said levers pass through guides *b* attached to the window-frame A, and arranged in such

a manner that when the frame B is closed the joint between the two levers will be immediately at the inner end of said guide, and thus allow the long lever G to be turned downward. In the ends of the levers E and G, which are joined together, are notches *i*, that come side by side when the frame is shut and the long lever turned down. Into these notches there fits a spring-catch, *d*, thus holding the frame closed, or, in other words, locking the same. By raising this spring-catch, and, also, the long lever G, the frame or sash B may be opened and held at a certain angle by the same catch springing into a notch near the inner end of the lever G. An exactly similar device is attached to the outer edge of the window C, but, in this case, the guide *b* is attached to the frame B instead of to the main frame A.

It will readily be seen that by this device the passenger is at all times enabled to open the window toward the rear of the car, leaving the edge toward the front closed, thus preventing smoke, dust, &c., from entering, while the necessary ventilation is secured; or, he may open both, and thus place the window out from and parallel with the car, as shown in Fig. 3.

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

1. The hollow shell D, provided with rod *a*, in combination with jointed levers E G, substantially as and for the purposes set forth.

2. The shells D D with wires *a a*, levers E and G G, guides *b b*, and spring-catches *d d*, constructed and arranged as shown and described, and used in combination with the window-frame A, sash B, and window C, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ANTHONY B. SWEETLAND.

Witnesses:

EDW. B. SAWTELL,
GEORGE M. SAWTELL.