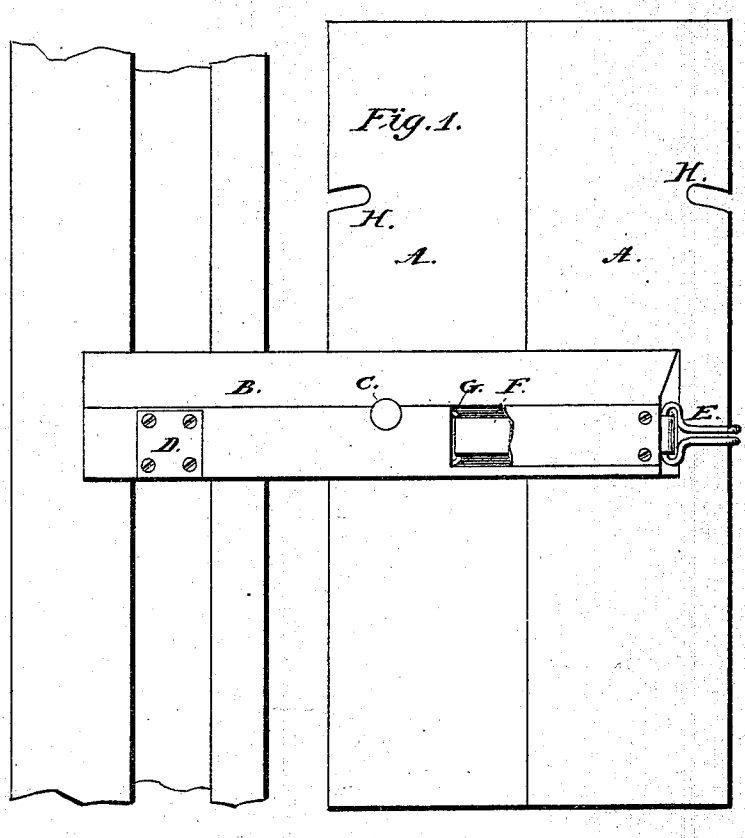
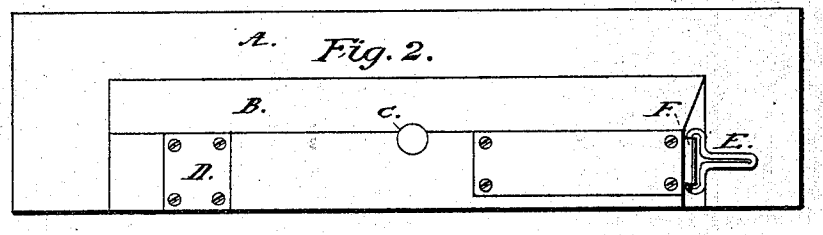
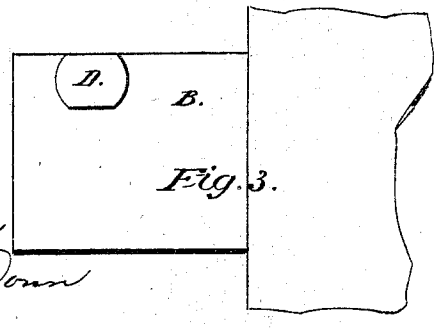
J. B. TIMBERLAKE.

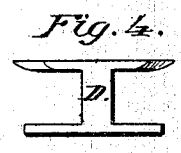
Pocket Car-Ventilators and Dust Screens.

No. 139,278. Patented May 27, 1873.









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UNITED STATES PATENT OFFICE.

JOHN B. TIMBERLAKE, OF SALEM, OHIO.

IMPROVEMENT IN POCKET CAR-VENTILATORS AND DUST-SCREENS.

Specification forming part of Letters Patent No. **139,278**, dated May 27, 1873; application filed March 1, 1873.

To all whom it may concern:

Be it known that I, JOHN B. TIMBERLAKE, of Salem, Columbiana county, Ohio, have invented an Improvement in Pocket Car-Ventilators and Dust-Screens, of which the following is a specification:

My invention relates to a folding ventilator and screen, which, attached to a railway-car window-frame, produces a vacuum outside the car while the train is in motion. By this current, so produced, all foul air in the car is expelled, and all dust, smoke, and cinders are excluded.

Figure 1 represents the ventilator and screen opened for use.

Letters A A represent the screen, made of two pieces of pasteboard, covered with paper, cloth, or leather, as may be desired. These two pieces are hinged together in the middle, in the manner of a book-back. B represents a wooden arm for attaching the ventilator and screen to the window-frame. C represents the metallic rivet passing through the center of the arm, and through one side of the screen, so attaching the screen to the arm as to allow the arm to be turned around parallel with the folded screens, as shown in Fig. 2. D represents a metallic bolt with an oval or oblong shaped head, having the edges sharp. This bolt is firmly attached to the end of the arm.

By raising the outer end of the arm, and placing the head of the bolt between the two upright car-window strips, the sharp edges of the bolt-head are forced into the window-strips by bringing the arm down level. The ventilator and screen are detached by raising the arm. The arm acts upon the bolt as a lever.

E represents a metallic hook, connected by a rubber band, F, attached by a staple, G, to the arm.

The hook fastens over the outer edge of the screen when in use to keep it firm, and over the end of the screen when folded up to keep it together, as shown in Fig. 2.

A flat groove is cut lengthwise on the upper side of the arm to allow the rubber band to work in. The groove and rubber band are covered by a piece of metal fastened over them, thus keeping the band inclosed. H H represent two notches cut in the edges of the screen to receive the neck of the bolt when folded up.

Fig. 2 represents the ventilator and screen folded up for the pocket.

Fig. 3, letter B, represents a section of the arm showing the attached metallic bolt D.

It will be observed that my invention possesses the two great advantages of being easily carried in the pocket and in being readily attached to any car-window frame. It also answers the purpose of a fan, to be used in the hand when d sired.

I do not claim the parts separately; but

What I claim as my invention is—

The combination of the screen, the arm, the metallic bolt, the metallic rivet, the rubber band, the metallic hook and staple, as shown, and for the purpose described.

JOHN B. TIMBERLAKE.

Witnesses:
JNO. D. PATTEN,
D. P. COWL.