

(No Model.)

S. F. JONES.
WINDOW VENTILATOR.

No. 545,655.

Patented Sept. 3, 1895.

Fig. 1.

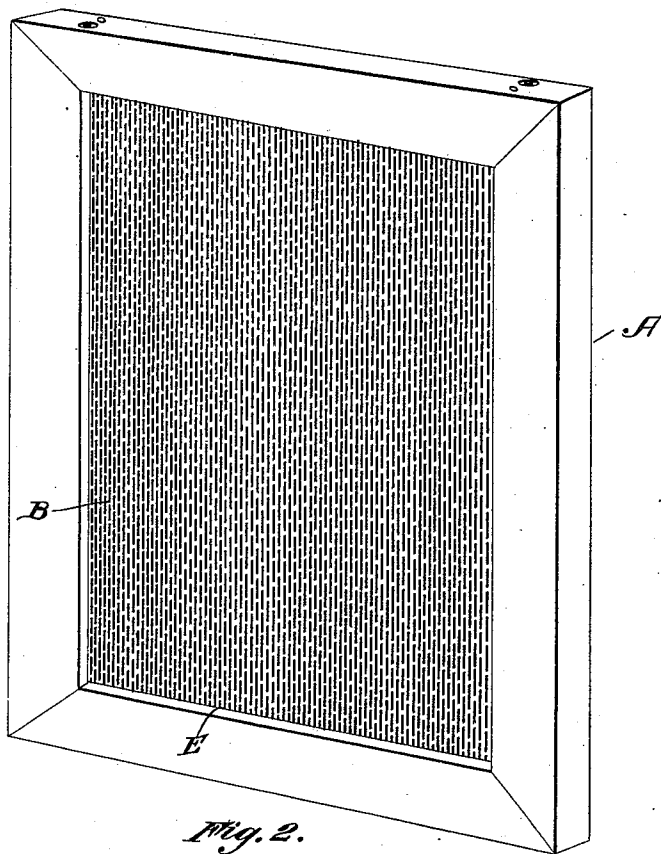


Fig. 2.

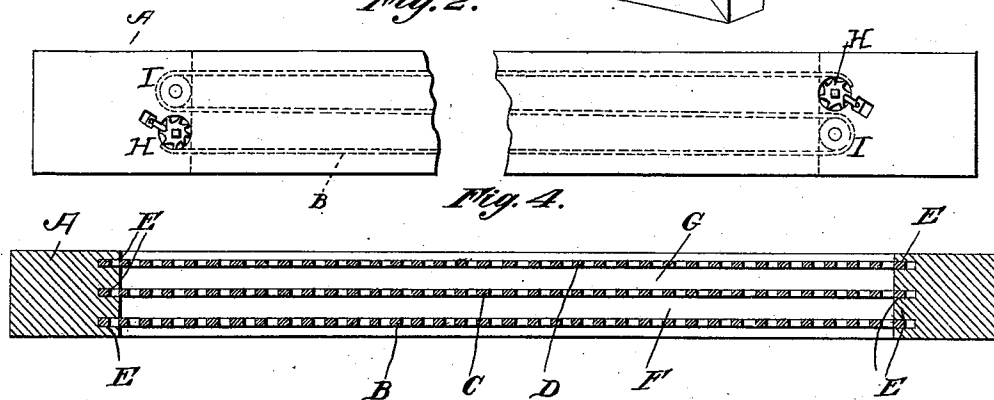
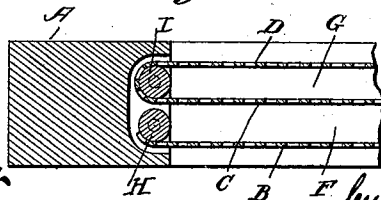


Fig. 4.

Fig. 3.



Attest.
Edw. S. Dwyer, Jr.
Chas. W. Daves

Inventor:
S. F. Jones
by *Charles D. Brock*
Att'y.

UNITED STATES PATENT OFFICE.

SARA F. JONES, OF CARTERSVILLE, GEORGIA, ASSIGNOR TO ROBERT P. GRIFFIN, OF SAME PLACE.

WINDOW-VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 545,655, dated September 3, 1895.

Application filed January 30, 1895. Serial No. 536,714. (No model.)

To all whom it may concern:

Be it known that I, SARA F. JONES, a citizen of the United States, residing at Cartersville, in the county of Bartow and State of Georgia, have invented certain new and useful Improvements in Window-Ventilators; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the letters of reference marked on the accompanying drawings, which form a part of this specification.

My invention relates to ventilating windows or transoms for cars, houses, steamboats, and the like. I shall, however, describe my invention more particularly in connection with a ventilating car-window.

Figure 1 represents a perspective view of a window embodying my invention. Fig. 2 is a top edge view, broken away, on an enlarged scale. Fig. 3 is a transverse section of a side of the same, partly broken away, showing the interior construction. Fig. 4 is a section taken vertically and centrally through Fig. 1.

A represents the frame or sash of a car-window.

B, C, and D represent three layers of perforated metal, wire-cloth, or other suitable substance, which are placed in parallel layers, with slight air-spaces between the same.

E represents recesses in the sash A, into which the layers of perforated material are inserted and held in proper relative position.

Between the three layers B, C, and D are formed two air-spaces F and G. Any impurities or dust which may blow through the outer layer will be intercepted by the outer air-space, and what dust ultimately finds its way through the first air-chamber will be effect-

ually precipitated in the second air-space. Perfect ventilation is secured at the same time, and the air received through the window is so comminuted and distributed that no draft is created such as would endanger the health of any person sitting by the window. The three layers of perforated metal may be in one piece, as more particularly shown in Figs. 2 and 3, mounted upon rolls H I upon opposite sides of the frame. Rolls H have winding-stems, toothed wheels, and pins, by means of which the screen-sheets may be adjusted and brought under tension around the several rolls. The screen is attached at one end to one of the rolls H and passes across the frame A to roll I, forming screen B, thence around said roll and back to roll I on the opposite side, forming the intermediate screen C, thence around said roll I across the frame to roll H, forming screen D. By this means all sag of the several screen-layers tending to bring them into contact with one another and prevent the design of applicant being accomplished is prevented.

I do not wish to limit my invention to the precise details, as other obvious means may be employed.

I claim—

A ventilating screen frame provided with double rolls on opposite sides, a continuous screen secured to and passing across back and forth around the rolls forming a plurality of screens with air-spaces between the same and adjusting devices for the rolls.

In testimony whereof I affix my signature in the presence of two witnesses.

SARA F. JONES.

Witnesses:

F. M. FORD.

SAML. F. MILAM.