

J. M. Dexter,

Car Ventilator.

No. 110,906.

Patented Jan. 10, 1871.

Fig: I

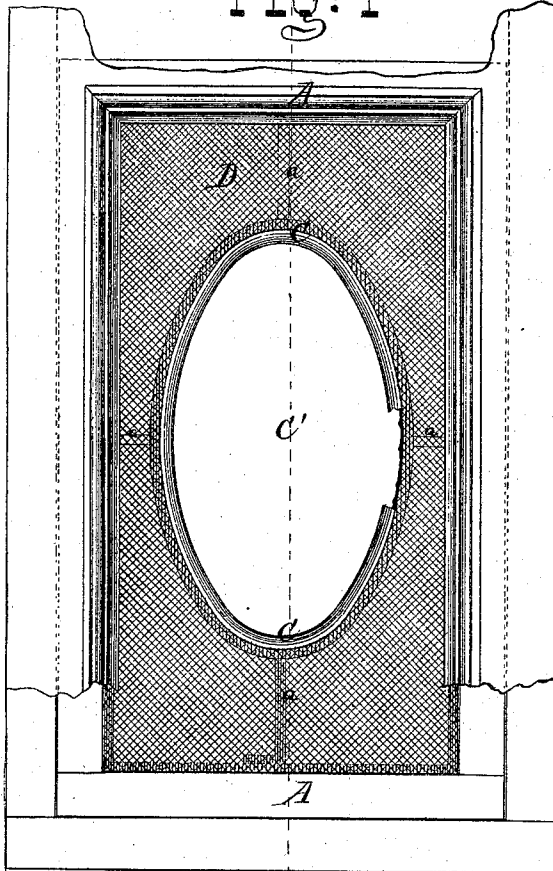
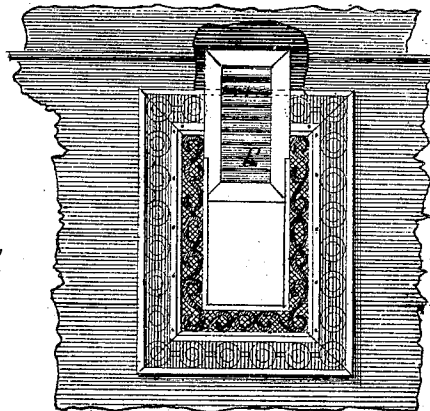
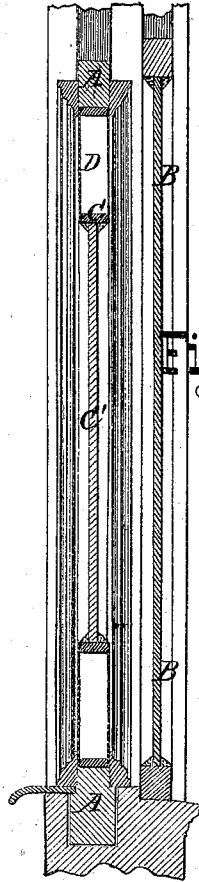


Fig: II



ATTEST

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Fig: III

United States Patent Office.

JOHN M. DEXTER, OF ELMIRA, NEW YORK.

Letters Patent No. 110,906, dated January 10, 1871.

IMPROVEMENT IN RAILROAD-CAR VENTILATORS.

The Schedule referred to in these Letters Patent and making part of the same.

I, JOHN M. DEXTER, of the city of Elmira, in the county of Chemung and State of New York, have invented certain Improvements in Car-Windows, of which the following is a specification, reference being had to the annexed drawing making part of this specification, in which—

Figure 1 is a front elevation.

Figure 2 is a vertical transverse section.

Figure 3 is a front elevation, showing a slight modification in the construction of the window.

The same letters are used in all the figures in the designation of identical parts.

The object of this invention is to provide railway passenger-cars, in addition to the ordinary glass windows, with supplemental windows, which may take the place of the ordinary blinds, and shall afford good ventilation; but, at the same time, exclude cinders and dust, so that persons can have pure air without inconvenience to themselves and others in adjacent rear seats.

The improvement consists in a window-sash, containing in the center a small pane of glass, to afford a look-out, and having the space between this pane of glass and the bars of the sash covered with one or more leaves of fine wire-cloth.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

The sash A of my supplemental window is fitted in the car window-frame in a manner similar to the ordinary window-sash B, so that it may be raised and low-

ered like the latter. It may be arranged either upon the inside or the outside of the sash B, as preferred.

A small frame, C, of any desired shape, is inserted in the central portion of the sash A, held in place by braces *a a*, which connect it rigidly to the bars of the latter.

This frame is closed by a pane of glass, C', which, where no blind is connected with it, as shown in fig. 1, should be colored, to exclude the sun's rays.

The space between the frame C and the bars of the sash A is covered by wire-cloth, D, which may be secured in any preferred manner. Ordinarily, two leaves of this cloth, which must be sufficiently fine to exclude cinders and dust, are employed one upon the inside and another upon the outside of the sash, as clearly shown in fig. 2. For the inner leaf I sometimes substitute a scroll-work of wood, as shown in fig. 3, to give the window a more ornamental appearance.

A blind, E, is also sometimes arranged in ways on the sash A to cover the pane C' when ordinary window-glass is used for it.

What I claim as my invention, and desire to secure by Letters Patent, is—

A ventilating car-window, composed of a sash, A, wire-cloth screen D, or its equivalent, and pane of glass C', substantially as set forth.

JNO. M. DEXTER.

Witnesses:

T. W. ELMORE,
DAVID ELMORE.