(No Model.)

E. O. CONNORS.

CAR VENTILATOR.

No. 253,188. Patented Feb. 7, 1882.

Fig. 1

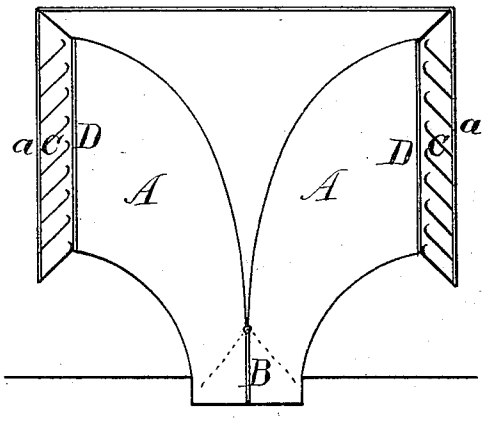


Fig. 2.

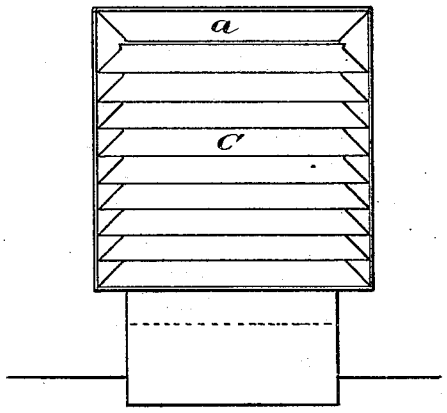
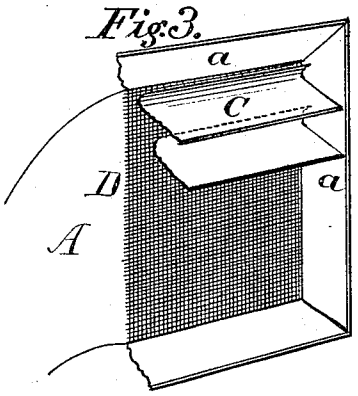


Fig. 3.



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A. Higley

Inventor,
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N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

EDWARD O. CONNORS, OF LORAIN, OHIO.

CAR-VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 253,188, dated February 7, 1882.

Application filed July 14, 1881. (No model.)

To all whom it may concern:

Be it known that I, EDWARD O. CONNORS, of Lorain, in the county of Lorain and State of Ohio, have invented certain new and useful Improvements in Car-Ventilators, of which the following is a specification.

The nature and objects of my invention will fully appear from the subjoined description, when considered in connection with the accompanying drawings, in which—

Figure 1 is a vertical section. Fig. 2 is an end view. Fig. 3 is a perspective view with a portion broken away to show form and application of slats.

A A are two trumpet-shaped tubes, having their mouths open in opposite directions. Their lower ends are united and open in one common throat leading into the interior of the car through the roof or otherwise. At the junction of said tubes A A, at the throat, is attached by an easy hinge-joint a swinging valve, B, which will be affected by the currents of air and swing back thereby, so as to open the throat on the side from whence the current comes and close the opposite. The mouths of the tubes A A have flaring flanges *a a*, designed to catch and concentrate the air, and are provided with horizontal slanting slats C C, having their upper edges curved outward, the object being to arrest the ingress of cinder and the like. There is also stretched across the mouths of said tubes, back of said slats, a wire screen, D, designed to prevent the ingress of finer particles of dirt, &c.

This device is simple and efficient in its construction and working. It may be attached to the roof or at the side of the dome of a car, as may be desired.

Having described my invention, I claim as follows:

The herein-described ventilator, consisting of the curved trumpet-shaped tubes A A, having open flaring mouths provided with horizontal diagonal slats C C, and wire screen D, said tubes united in a common throat having a swinging valve, B, as shown and described.

EDWARD O. CONNORS.

Witnesses:

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