

(No Model.)

E. S. PERRY.
CAR VENTILATOR.

No. 329,591.

Patented Nov. 3, 1885.

Fig. 1.

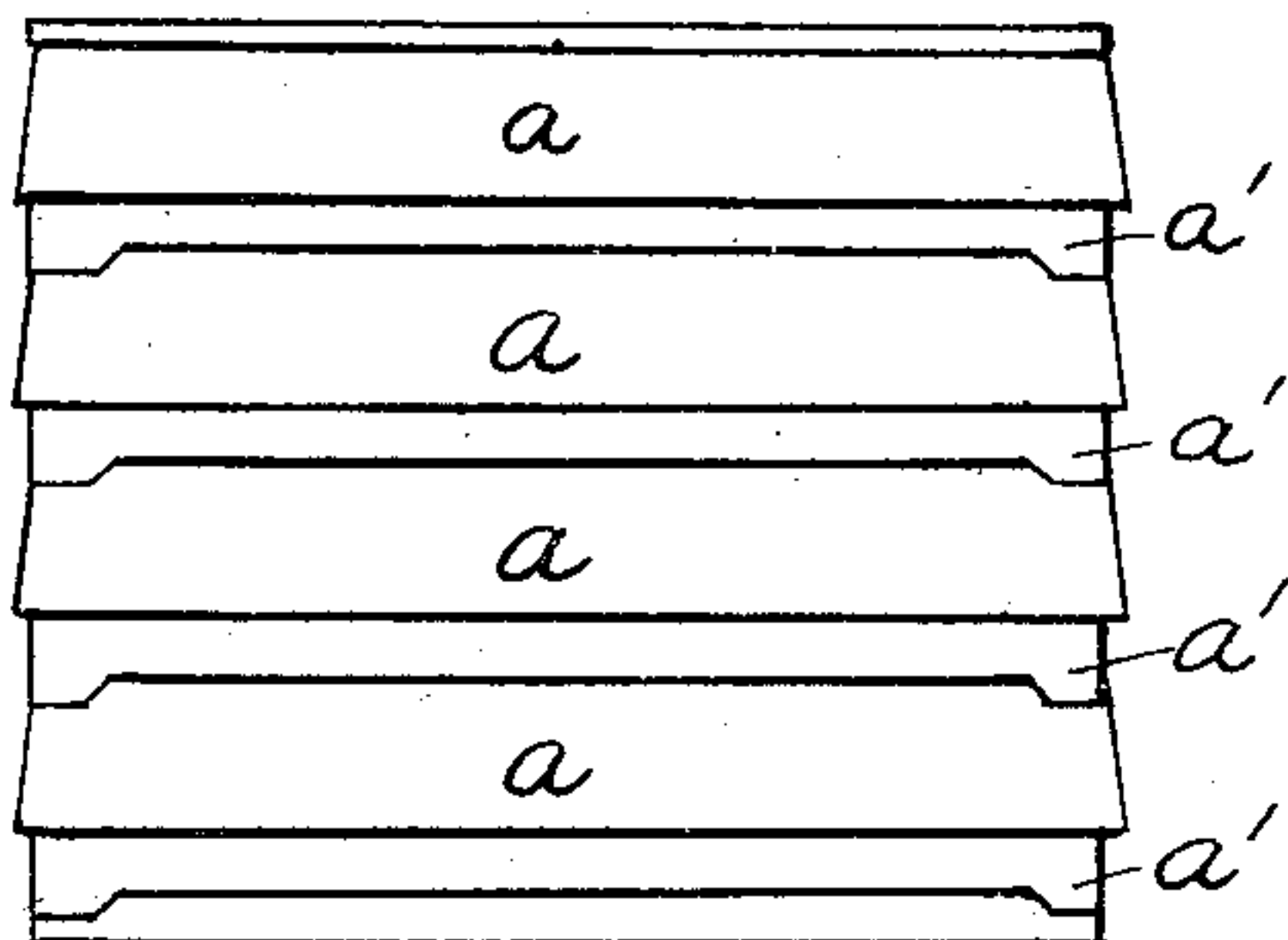


Fig. 5.

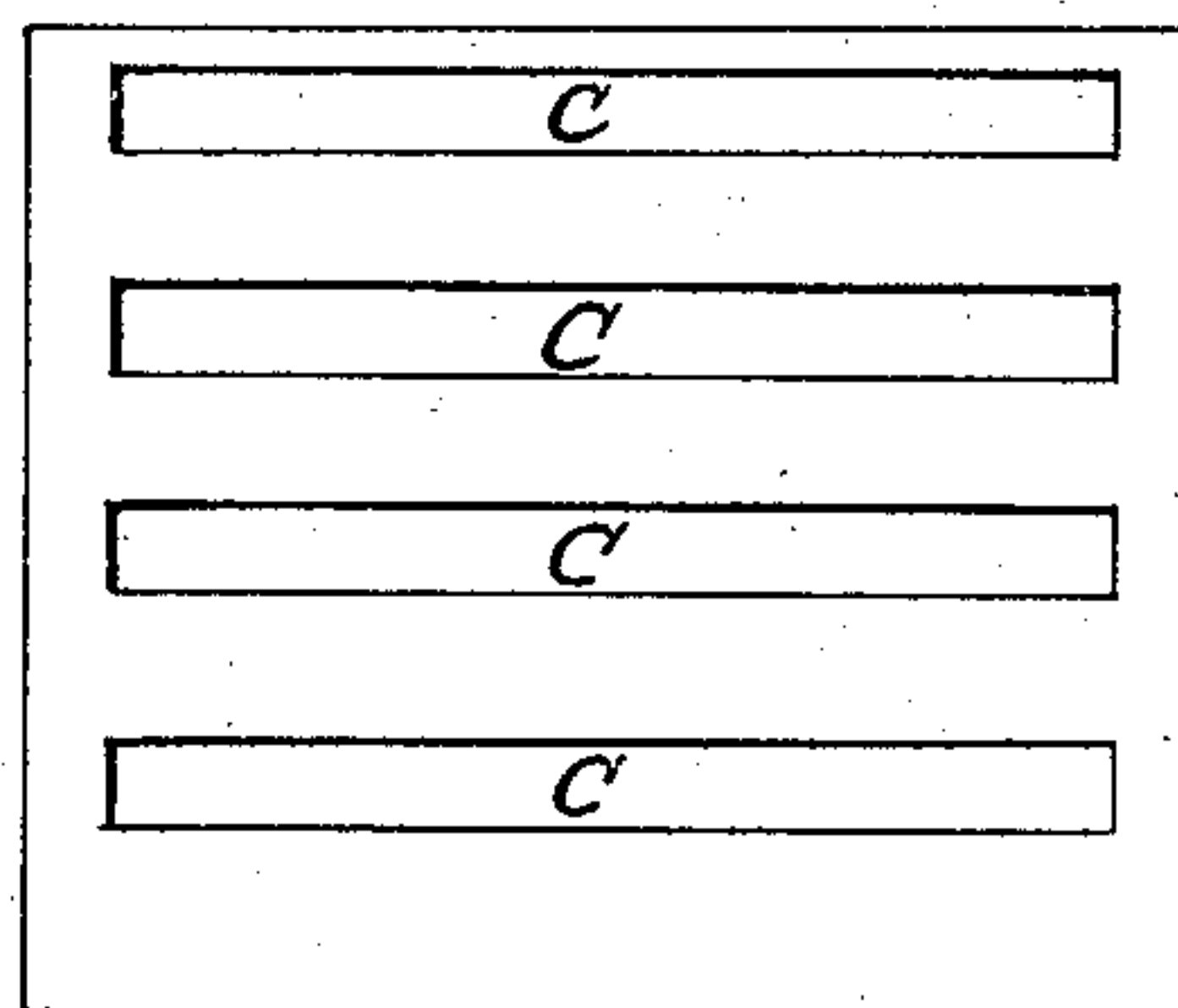


Fig. 2.

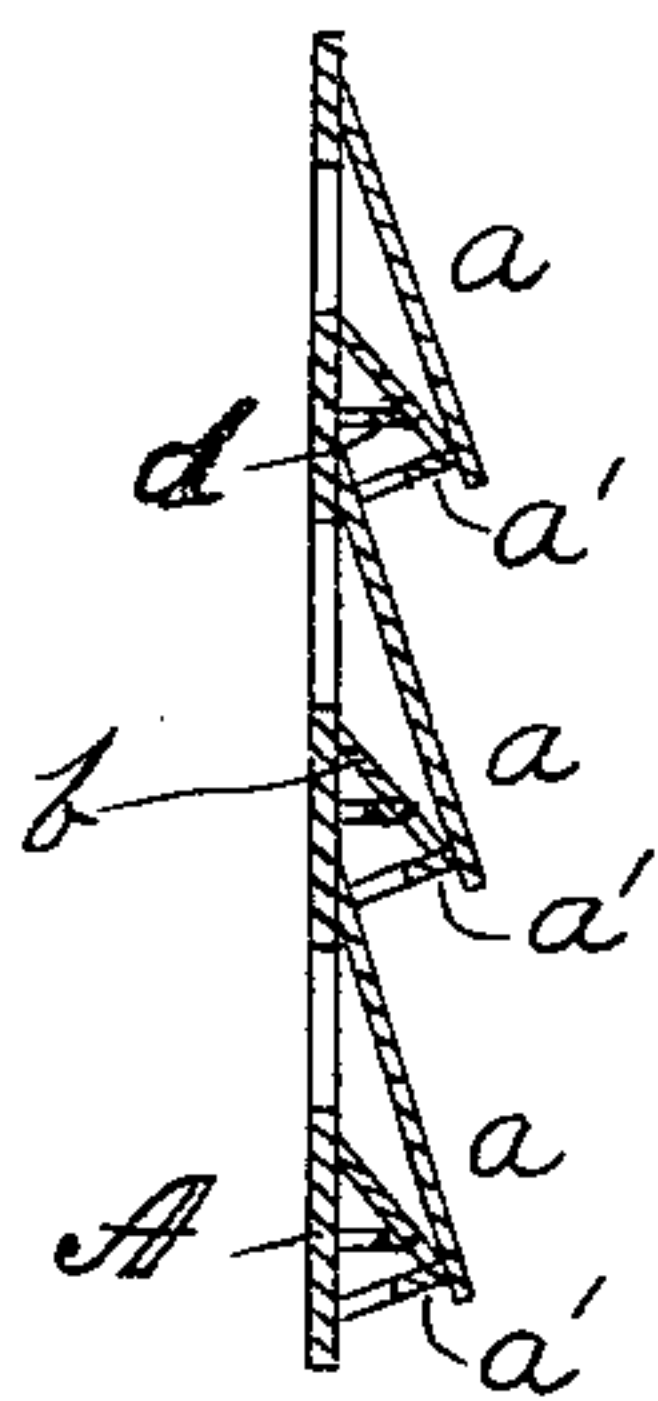


Fig. 3.

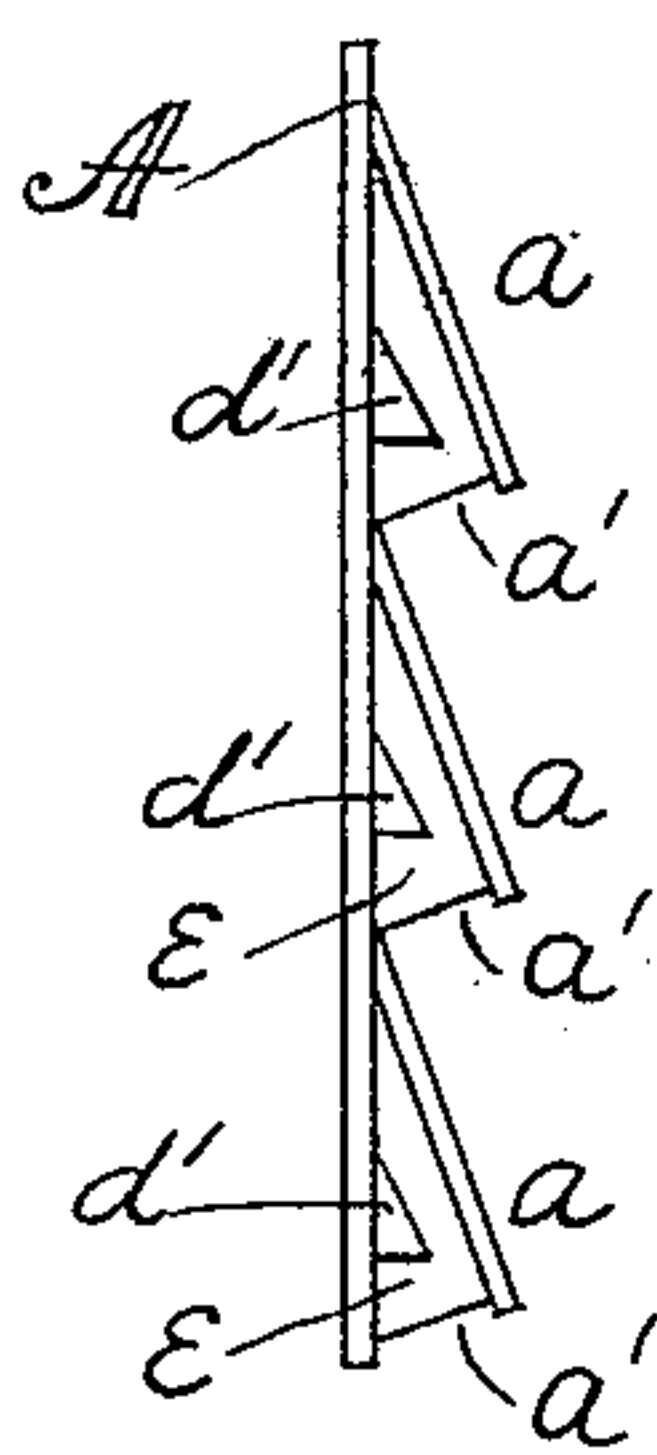
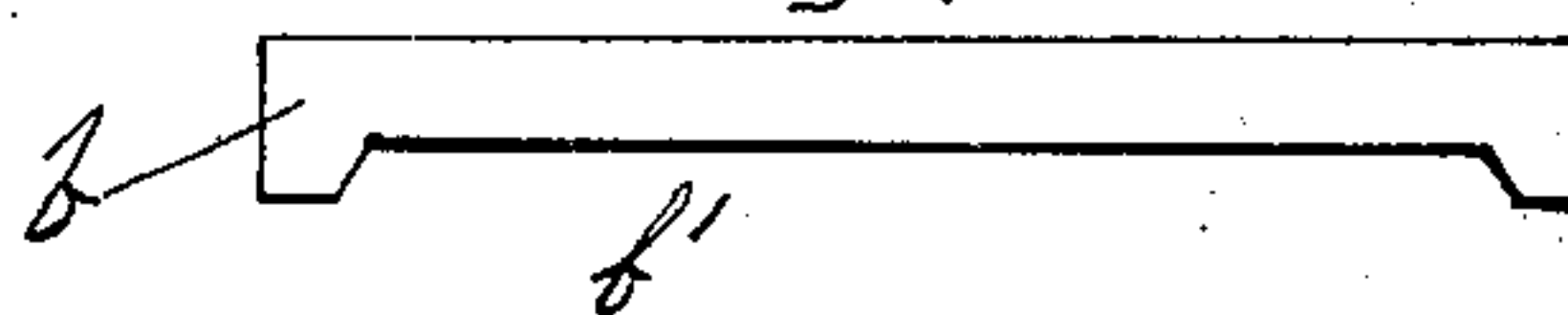


Fig. 4.



Witnesses

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EBENEZER S. PERRY, OF NEW BEDFORD, MASSACHUSETTS.

CAR-VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 329,591, dated November 3, 1885.

Application filed September 5, 1885. Serial No. 176,232. (No model.)

To all whom it may concern:

Be it known that I, EBENEZER S. PERRY, a citizen of the United States, residing at New Bedford, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in Car-Ventilators, of which the following is a specification.

The object of my invention is to provide a ventilator which, while it allows the air to pass through it freely, will intercept foreign matter—such as dust, cinders, &c.; and it consists in the arrangement with regard to each other of peculiarly-shaped slats, and in providing openings in the sides of the ventilator, in order that a current of air may traverse the ventilator longitudinally and remove the accumulations of dust, cinders, &c., which have been intercepted in the passage of the air through the ventilator.

In the drawings, Figure 1 is a front elevation of my improved ventilator. Fig. 2 is a vertical section of the same, showing the arrangement of the slats. Fig. 3 is an end or side view showing the openings in the sides through which a current of air moves to clear the ventilator from accumulations of dust, &c. Fig. 4 shows the shape of the majority of the slats which enter into the construction of the ventilator, and Fig. 5 shows a rear elevation of the ventilator.

In Fig. 5, A is the base or back of the ventilator, provided with openings *c*, to which base are attached the other parts which compose it. The slats *a*, Fig. 1, are attached by one edge to the upper edge of the openings *c*, and are inclined outwardly and downwardly. Near the outer edge of the slats *a* are attached by their straight edges the slats *a'*, so as to form an angle with the slats *a*, the points of their lower edges resting against the base A, or the upper surface of the slat *a* next below them, as is clearly shown in Fig. 2.

To the lower edges of the openings *c* in the base A are attached the slats *b*, Fig. 4, by their straight edges. These slats project outwardly and downwardly, and their points reach to and are fastened at the intersection of the slats *a* and *a'*, as is shown in Fig. 2.

To the under side of the slats *b*, and to their edges *b'*, are attached by their straight edges slats *d*, which are of the same shape as slats *b*, but of less width. The slats *d* are attached to the slats *b* at an angle, and their points extend to and are fastened to the base A, as shown in Fig. 2.

The sides *e* of the ventilator are provided with openings *d'*, corresponding in size and shape to the angle formed by the slats *b* and *d* and base A.

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

1. In a ventilator, the combination, with the base A, provided with openings C, one above the other, of the slats *a*, attached at one edge to the upper edge of the openings C, and extending outwardly at an angle to base A, the slats *a'*, attached to slats *a* so as to form an angle therewith, the slats *b*, attached to the lower edges of openings C, and the sides *e* at each end of the slats *a*, substantially as described.

2. In a ventilator, the combination, with the base A, having openings C, one above the other, of the slats *a*, attached at one edge to the upper edge of the openings, and extending outwardly at an angle to base A, the slats *a'*, attached to slats *a* so as to form an angle therewith, the slats *b*, attached to the lower edges of openings C, and the sides *e* at each end of the slats *a*, provided with openings *d'*, substantially as described.

3. In a ventilator, the combination, with the base A, having openings C, one above the other, of the slats *a*, attached at one edge to the upper edge of the openings C, and extending outwardly at an angle to base A, the slats *a'*, attached to slats *a* at an angle thereto, the slats *d*, attached to the base A and to the under side of slats *b*, and the sides *e* at each end of slats *a*, substantially as described.

EBENEZER S. PERRY.

Witnesses:

THOS. M. JAMES,
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