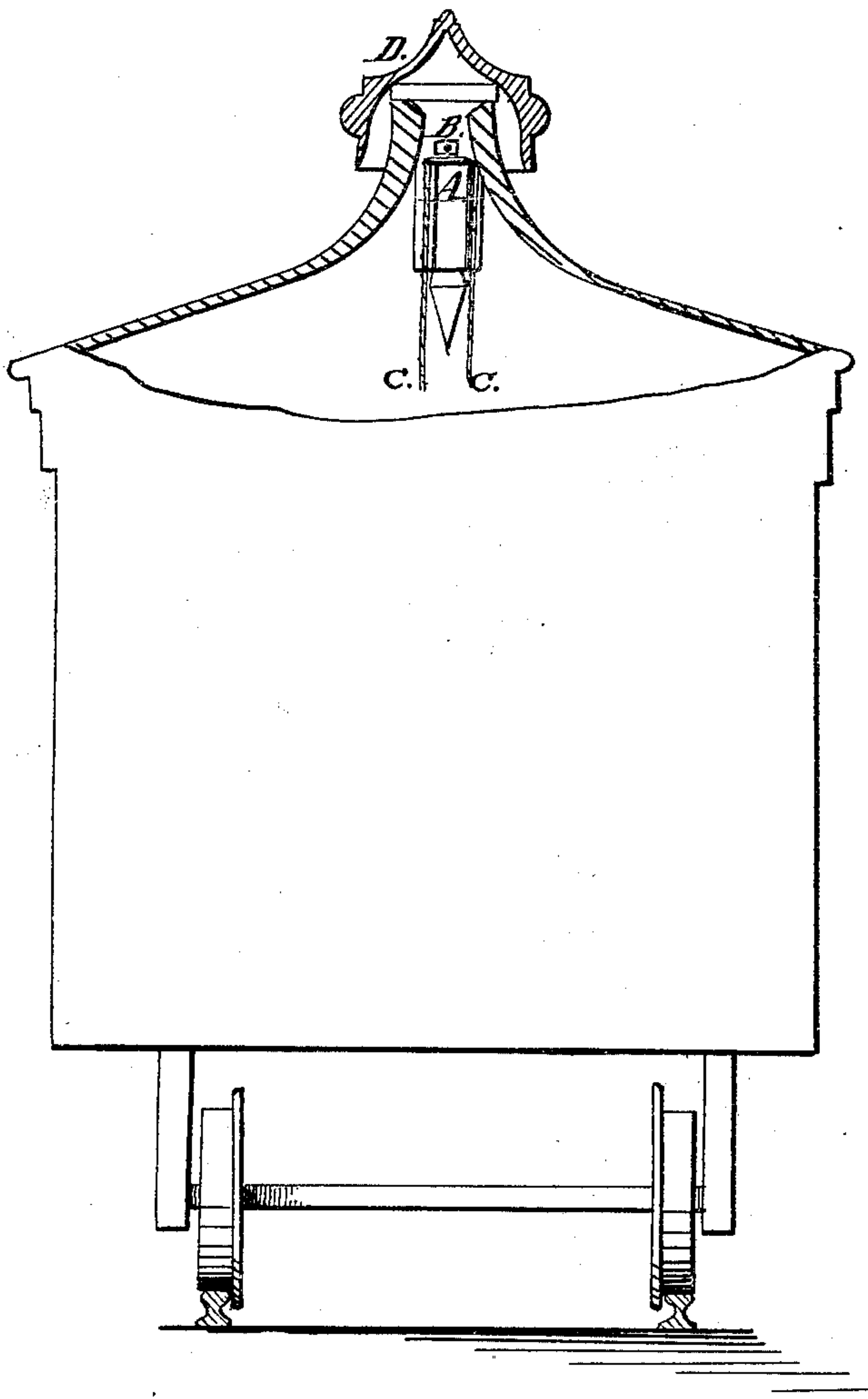


*T. J. Mell,*

*R.R. Car Ventilator.*

*No. 90,181.*

*Patented May 18. 1869.*



*Witnesses:*  
*E. Greene Collins*  
*John B. Brooks*

*Inventor:*  
*T. J. Mell*  
*Per. W. M. H. Co.*  
*Attys.*



THOMAS J. MELL, OF MACON, GEORGIA.

*Letters Patent No. 90,181, dated May 18, 1869.*

**RAILROAD-CAR VENTILATOR.**

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

*To all whom it may concern:*

Be it known that I, THOMAS J. MELL, of the city of Macon, in the county of Bibb, and State of Georgia, have invented a new and improved Ventilator for Railroad-Cars, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The present invention relates to a new and useful improvement in the mode of ventilating railroad-cars, houses, &c., the object of which is to draw off the heated or foul air from the highest point in the car or building, by opening the ventilator, which is so arranged in the roof of the car or building, that when open, the passengers in the car will not be troubled with cinders, dust, or leakage through the same, the construction and operation of which will be understood from the following description.

The accompanying drawing represents a cross-section of a passenger-car, with my ventilating-device attached.

In this case the letter A represents the dampers, which work between the ribs of the roof of the car.

The said dampers are all secured to an iron rod, B, which runs the whole length of the car, and is operated upon by means of a cord, chain, or wire, C, passing over or around the same, and extending therefrom to

such place or places in the car as may be deemed most convenient, so that, by pulling the said cord, chain, or wire sufficiently to give the rod on which the dampers are set a half turn, the whole car may be ventilated from end to end at the highest point in the roof.

The top of the car is left open between the ribs, and the cap or hood D is firmly secured to the said ribs, which are correspondingly shaped so as to receive the same, and allow the lap of the cap or hood D to extend downward beyond the opening in the top of the car, so as to prevent leakage or cinders from entering the car through the ventilator, and will be made ornamental, so as to give the car a handsome finish on top.

Having thus described my invention,

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

The ventilator A, on the rod B, operated by the cord, chain, or wire C, in combination with the hood or cap D, the whole being set, arranged, and operating in the manner and for the purpose substantially as herein shown and described.

THOS. J. MELL.

Witnesses:

HENRY L. JEWETT,  
J. DE LOACHE,  
GEO. M. LOGAN.