

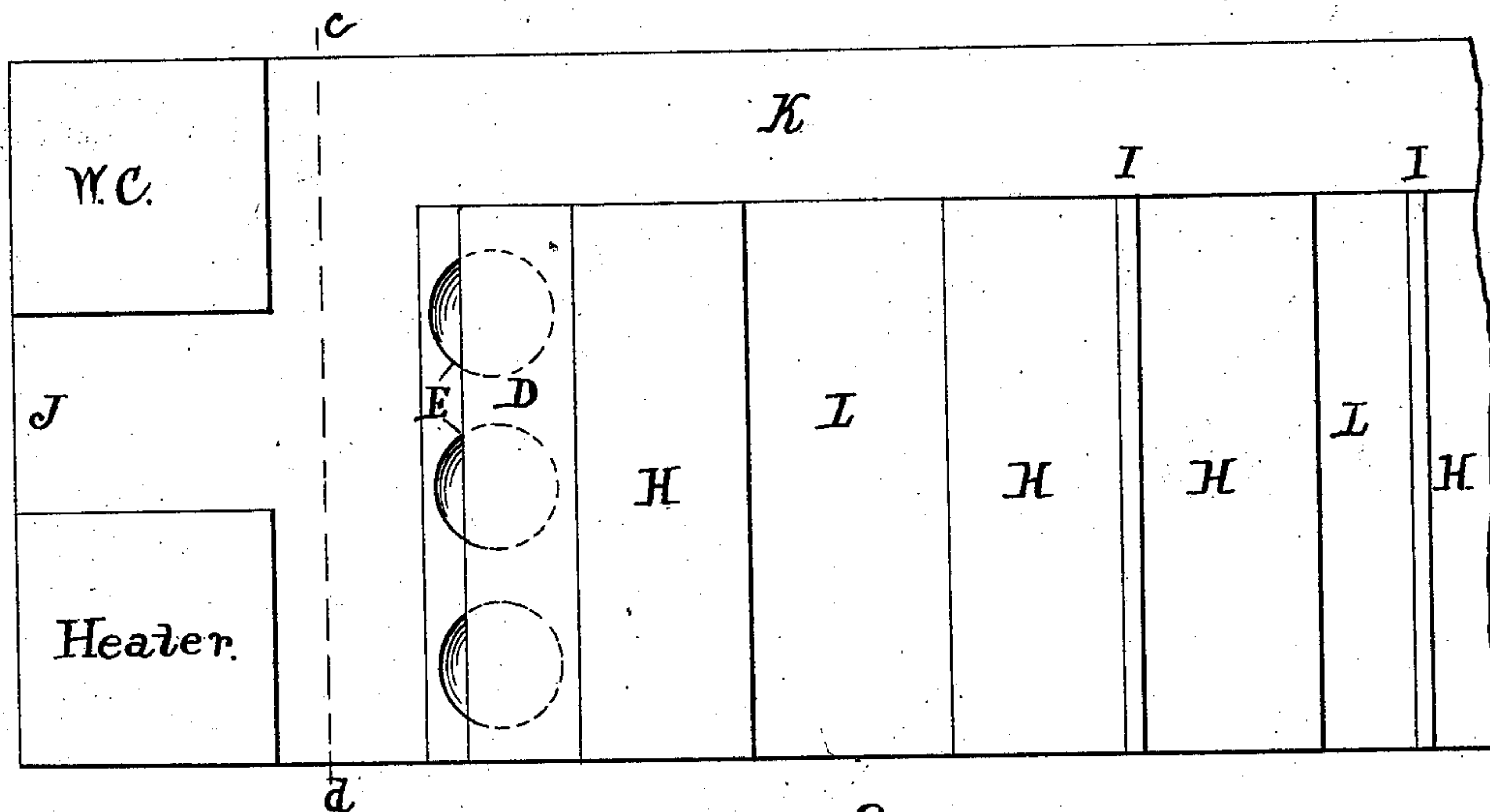
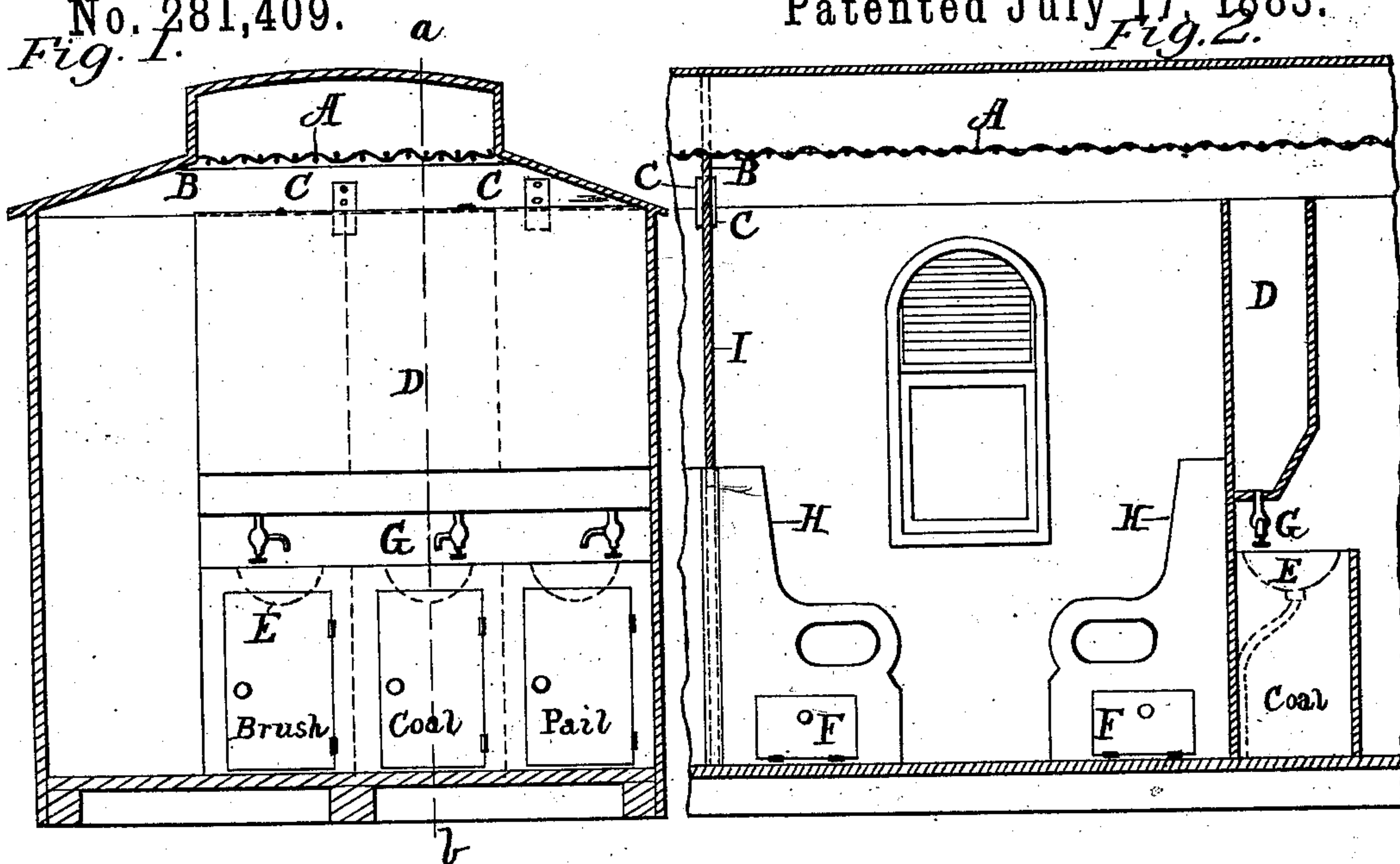
(No Model.)

J. A. SLEICHER.

SLEEPING CAR.

No. 281,409.  
*Fig. 1.*

Patented July 17, 1883.  
*Fig. 2.*



*Fig. 3.*

Witnesses:

Inventor:

John T. Booth  
Attorney

John A. Sleicher  
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Atty.

# UNITED STATES PATENT OFFICE.

JOHN A. SLEICHER, OF TROY, NEW YORK.

## SLEEPING-CAR.

SPECIFICATION forming part of Letters Patent No. 281,409, dated July 17, 1883.

Application filed February 19, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN A. SLEICHER, a citizen of the United States, of the city of Troy, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Railway-Cars; and I do hereby declare that the following is a full, clear, and exact description of the invention, that will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Similar letters refer to similar parts in the several figures therein.

My invention relates to improvements in railway-cars, and is more especially adapted to sleeping-cars, in which the berths are arranged transversely of said car.

It consists in extending a series of ribs or girders transversely across the upper inner portion of the car, and in providing movable partitions to meet said girders.

The object of my invention is to provide a series of sections adapted to contain berths arranged transversely of the car, having a transverse partition between the sections, which will extend from the floor to meet and match the curved or irregular portion of the car-ceiling.

In the drawings, Figure 1 is a transverse vertical section of the car at the dotted line *cd* in Fig. 3, showing a series of wash-basins and appurtenances in front elevation. Fig. 2 is a longitudinal vertical section of the car, taken at the dotted line *ab* in Fig. 1. Fig. 3 is an outline plan view, showing the relative position of the seats, basins, heater, water-closet, &c.

In the construction of sleeping-cars the great desideratum is safety, comfort, and privacy, combined with the utmost economy in space and weight.

I have arranged the berths in my improved car transversely for comfort, and secure privacy by the arrangement of my movable partitions and girders, which are not weighty, while the girders are an element of great strength and safety. The upper sides of the girders span the deck-opening at any desired point between the top and bottom, and the lower sides extend in a horizontal plane from one side of the car to the other, the upper

side of the ends being shaped to match the form of the car-ceiling.

The girders are fixed to the car, and are provided with suitable supports, *C*, to hold the upper ends of the movable partitions *I*, which are adapted to slide up and down in a seat-back, or between two seat-backs, where they are concealed from view when down, as shown by the dotted lines in Fig. 2. The girders may form the supports for the roof of the car, and will serve to greatly strengthen the car. They need not extend entirely across the car unless desired, and may be of any form, provided they are adapted to meet the upper side of sliding partition *I*.

When desired, the girders *B* may extend upward, so as to entirely fill the deck-opening, as shown by the dotted lines in upper part of Fig. 2, thus shutting off wholly one compartment from the rest, in which case it may be used as a smoking-compartment, and it may be supplied with two seats, *H H*, facing each other, as shown in Fig. 2. When the compartments or sections are thus separated entirely from one another, the temperature may be varied by means of the ventilator to suit the occupant of any section without inconvenience to the occupants of other sections.

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

1. In a sleeping-car, two or more girders, *B*, extending transversely along the top of the car, entirely across the deck-opening therein, in combination with movable partitions *I*, adapted to meet said girders and form separate transverse berth-sections, substantially as described, and for the purposes set forth.

2. In a sleeping-car having interchangeable seats and berths arranged transversely of the car, fixed transverse partitions *B*, extending up into the deck-opening of the car, and arranged to meet at their lower edges and support the upper sides of movable partitions resting upon the seat-backs, substantially as described, and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 17th day of February, 1883.

JOHN A. SLEICHER.

Witnesses:

W. H. HOLLISTER, Jr.,  
GEO. A. MOSHER.