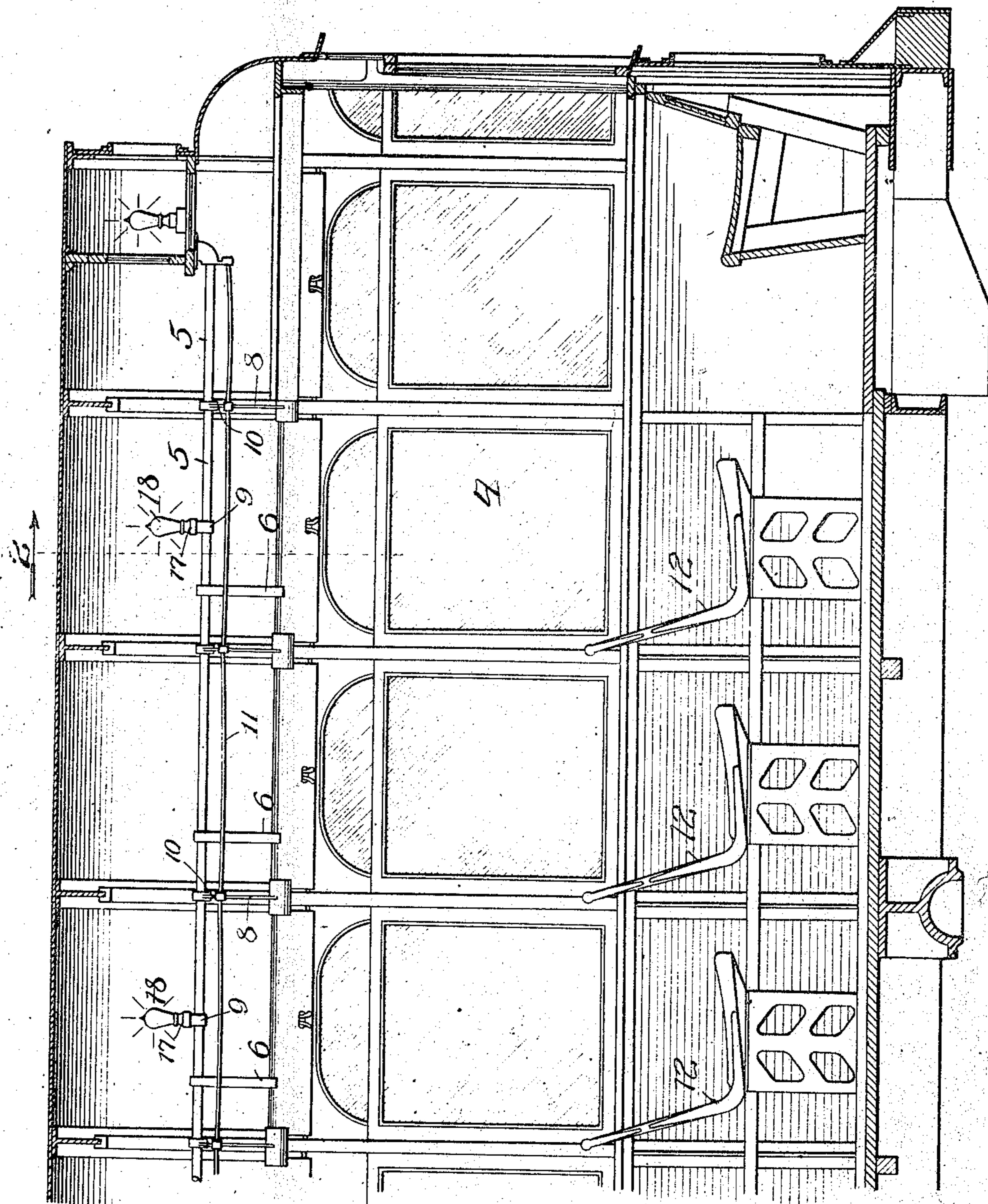


C. H. ANDERSON.  
CAR LIGHTING INSTALLATION.  
APPLICATION FILED APR. 16, 1910.

968,913.

Patented Aug. 30, 1910.

2 SHEETS—SHEET 1.



Witnesses:  
D. C. Gaylord,  
A. J. Chase.

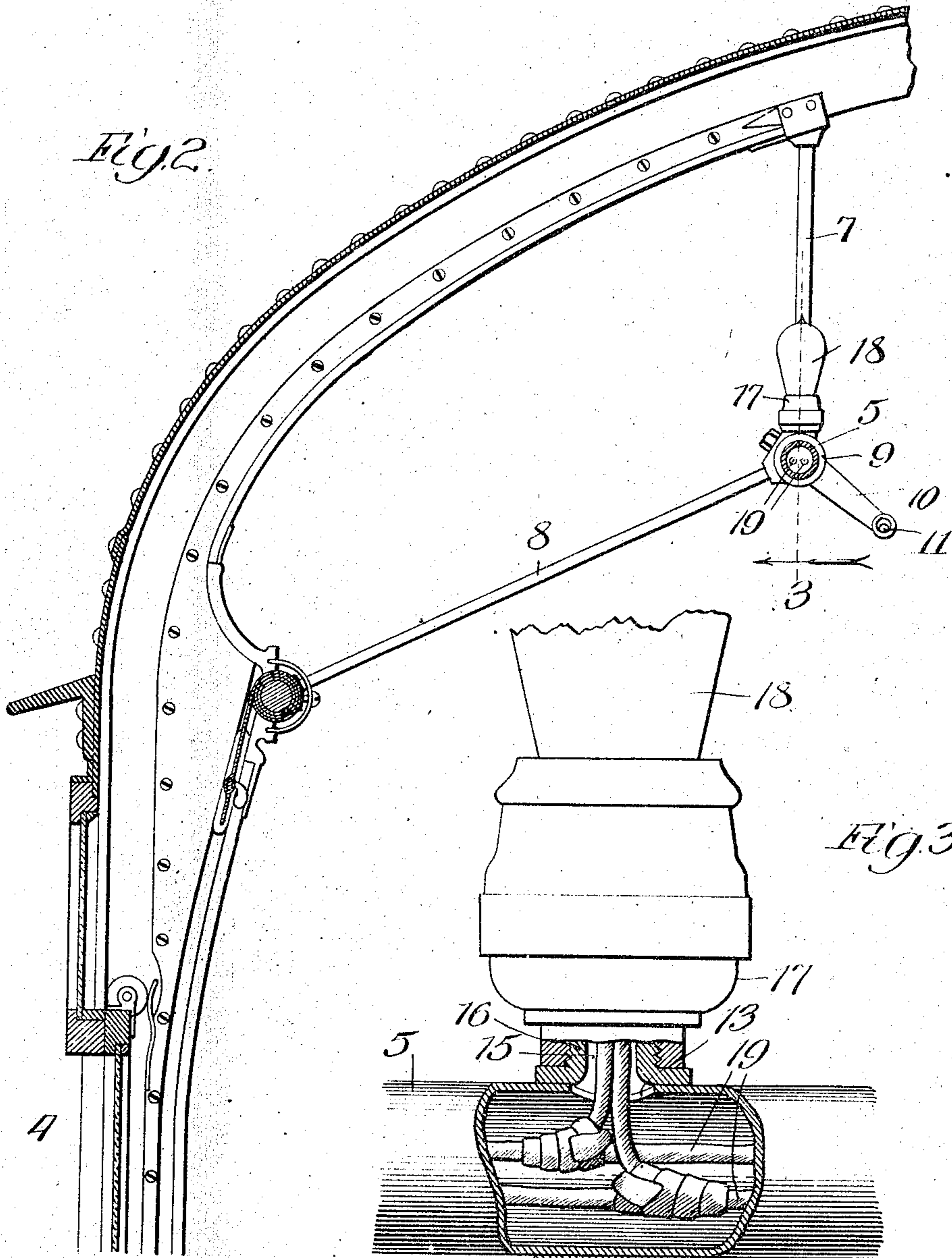
Fig. 1

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2 SHEETS—SHEET 2.



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# UNITED STATES PATENT OFFICE.

CHARLES H. ANDERSON, OF SEATTLE, WASHINGTON.

## CAR-LIGHTING INSTALLATION.

968,913.

Specification of Letters Patent. Patented Aug. 30, 1910.

Application filed April 16, 1910. Serial No. 555,796.

*To all whom it may concern:*

Be it known that I, CHARLES H. ANDERSON, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented a new and useful Improvement in Car-Lighting Installation, of which the following is a specification.

My object is to provide improved supporting means for the lights, and particularly incandescent lamps, in passenger cars, which will dispense with the necessity of insulating strips or wire-housing panels, and, the like, contribute toward economy in the cost of installation of the car lights, and hold the lamps in an out-of-the-way but particularly desirable position for the convenience of the passengers.

This invention is particularly applicable to a steel passenger coach (of a type shown and described in Letters Patent granted to me December 14, 1909, No. 943,213 and January 18, 1910, No. 946,871,) having a body, constructed without the usual clear-story, or upper deck, and dispensing as far as possible with interior wood trimmings, with braced and suspended strap-rails extending over approximately the centers of the seats at opposite sides of a central longitudinal aisle.

In carrying out my invention I form the strap-rails, so called, of hollow tubes provided at suitable intervals with lamp sockets connected with insulated electric-lighting wires extending within the tubes.

In the drawings—Figure 1 is a broken longitudinal section of a steel car of my aforesaid patented construction and equipped with my present improvement; Fig. 2, an enlarged broken section on line 2, in Fig. 1, and Fig. 3, an enlarged broken section of one of the strap-rails showing the preferred way of securing the lamp sockets thereto.

The car-body 4 is provided with a pair of parallel longitudinally-extending rails 5 from which straps 6 may be suspended for the convenience of standing passengers. The rails are held in suspended position by rods 7 and are braced by means of rods 8, the said rods connecting with sleeve-pieces 9 through which the rails 5 pass. In the present instance the fittings or sleeves 9 at one side carry arms 10 with perforations or eyes for the passage of a bell, or fare-register, cord 11. The rails 5 extend centrally, or nearly centrally, over the seats 12, which latter are disposed in a common manner at

opposite sides of a central aisle of the car and adapted to seat two persons. The rails 5 are hollow and may be formed of brass tubing. At suitable intervals along its length each rail 5 is provided with perforations 13 and sleeve-pieces 14 each sleeve-piece having an opening 15, to register with the perforation 13, surrounded by a threaded boss 16 for the attachment of a socket 17 for an incandescent electric lamp 18. The insulated current-conducting wires 19 are strung through the hollow rails and connected at the perforations 13 with the lamp sockets.

It is desirable, of course, that the current-conducting wires for car lighting shall be out of the way and out of sight. The present construction renders it unnecessary to encumber the structure with wire-housing insulating-strips or panels, as has hitherto been usual. Furthermore, the lamps, while held in a position suitably out of the way, are disposed centrally or nearly centrally over the seats distributing light equally over the latter for the convenience of the passengers.

While I prefer to construct my improvements throughout as shown and described, they may, of course, be modified in the matter of details without departing from the spirit of my invention as defined by the claims.

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

1. In a railway-car, the combination of a hollow strap-rail secured to the car-body and extending longitudinally within the same in an elevated position toward one side, a series of electric lamp sockets secured to said rail, and an electric current-conducting wire housed in said rail and connected with the lamp sockets.

2. In a railway passenger car, the combination with the car-body, of hollow strap-rails secured to the car-body to extend longitudinally therein in elevated position and flanking the longitudinal center thereof, upwardly extending electric lamp sockets secured to said rails, and electric current-conducting wires housed in said rails and connected with the lamp sockets.

CHARLES H. ANDERSON.

In presence of—  
M. B. SACHS,  
R. E. BANKS.