

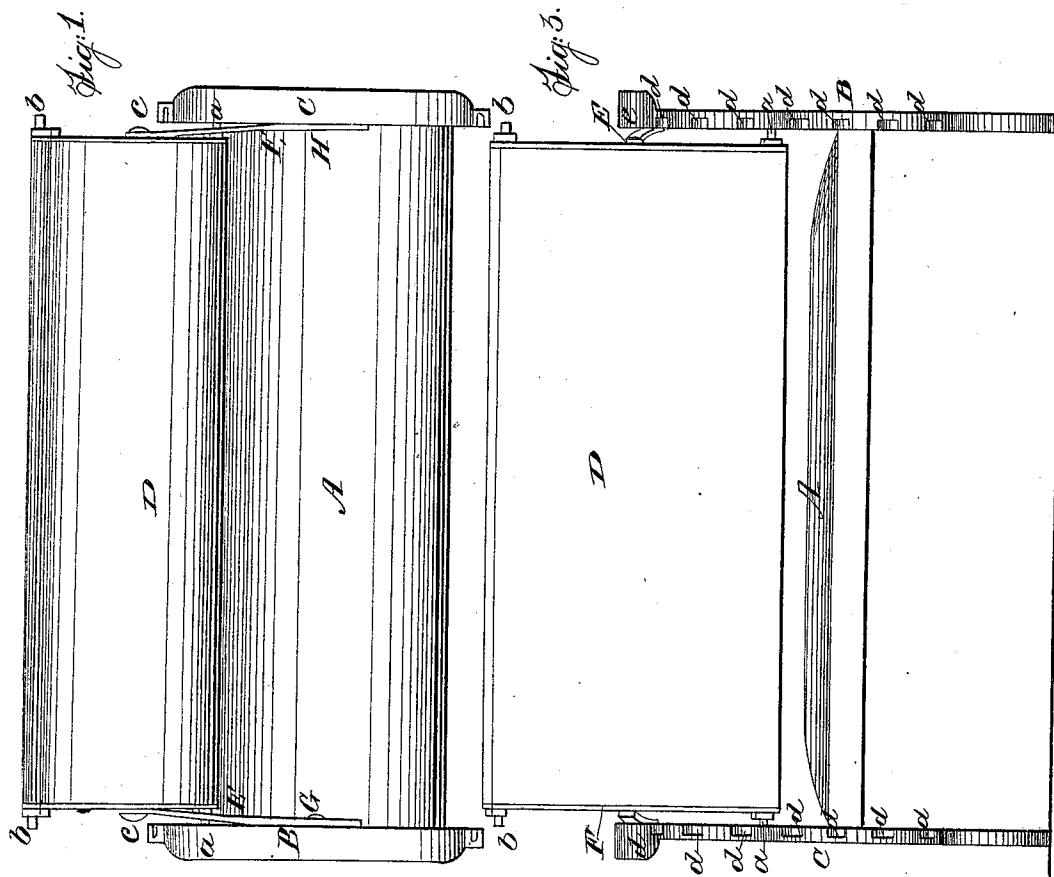
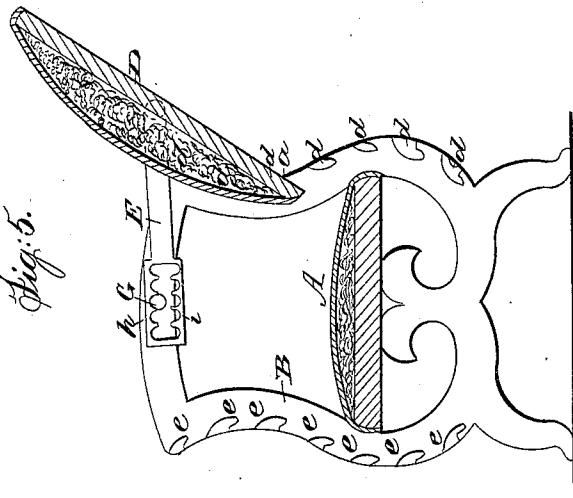
S. M. PERRY.

2 Sheets—Sheet 1.

Car Seat and Couch.

No. 9,155.

Patented July 27, 1852.



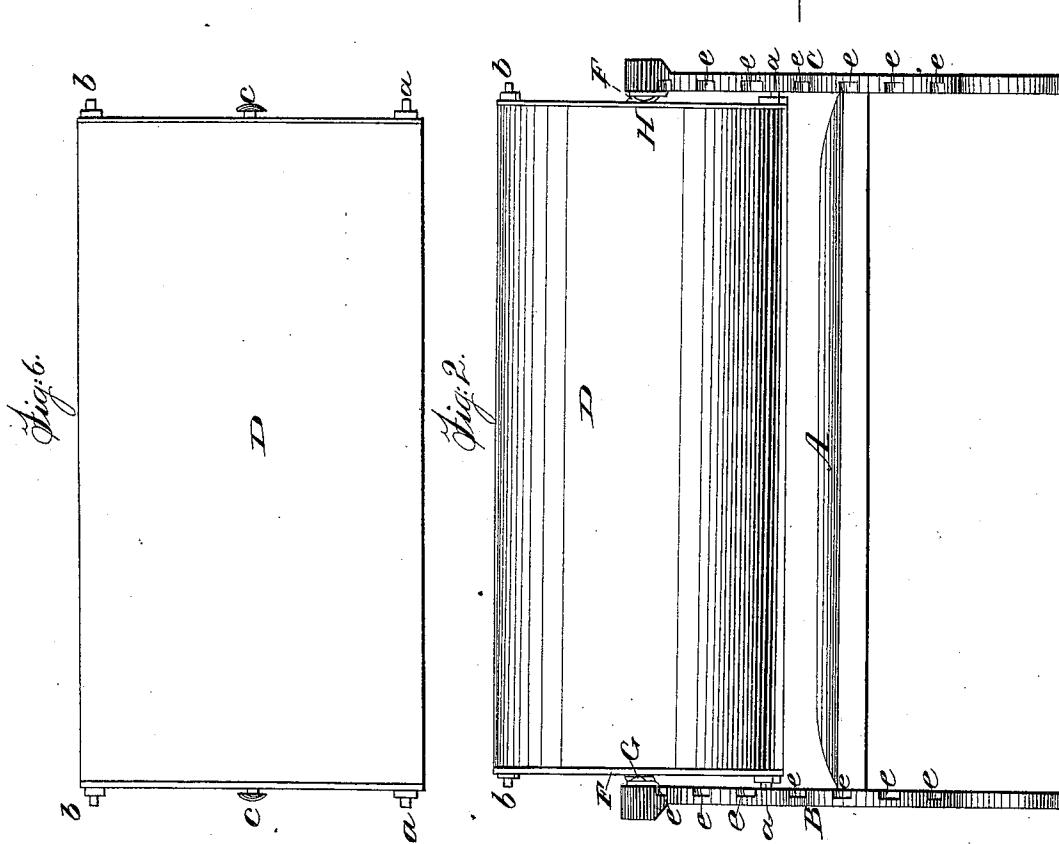
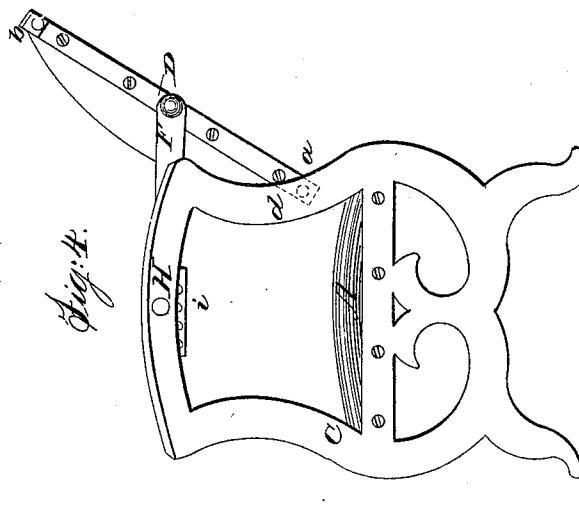
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# UNITED STATES PATENT OFFICE.

SAMUEL M. PERRY, OF NEW YORK, N. Y.

## RAILROAD-CAR SEAT.

Specification forming part of Letters Patent No. 9,155, dated July 27, 1852; Reissued March 29, 1859, No. 687.

*To all whom it may concern:*

Be it known that I, SAMUEL M. PERRY, of the city, county, and State of New York, have invented a new and useful Improvement 5 in the Chairs of Railway-Cars; and I do hereby declare that the same is fully described and represented in the following specification and the accompanying drawings, letters, figures, and references thereof.

10 Of the said drawings Figure 1 denotes a top view, Fig. 2 a front elevation, Fig. 3 a rear elevation, Fig. 4 an end elevation, and Fig. 5 a vertical and central section of my improved railway car chair or seat. Fig. 6 15 is a view of its back as separated from the ends and bottom or seat of the chair.

The object of my invention is to enable a person to raise the back of the chair to a higher altitude and depress it to a greater 20 angle of inclination to the seat than can be effected in the chairs of the kind in general use to which my improvement is specially applicable, my improvement enabling a person to place the back of the chair into a 25 convenient position either for sitting up or reclining, as may be desirable. The improvement renders the chair especially useful in cars which are run during the night or hours usually devoted to sleep, as by means of it 30 the person occupying the chair can so depress its back as to enable him to support his head and back, and thus make it comfortable for sleeping upon.

In the drawings above mentioned A denotes the seat of the chair made plain or stuffed or upholstered in any proper way, and supported by and between two end 35 frames B, C, in the usual manner.

The movable back is seen at D. It is held 40 in place by bars E, F, that extend respectively from the middle parts of its two ends, and are connected to the inner sides of the arms or upper bars of the frames B, C, by means of pins G, H, on which the said bars 45 turn, whereby the back, as is well known, can be turned over so as to stand in an opposite direction on the seat. From each end of the back and at or near the lower corner of it I extend a stud or projection a, and in 50 case the back is to be made reversible I also extend another projection or stud b from the upper corner of each end, as seen in Fig. 6. The back D is so connected to the two bars E, F, as to enable them to turn vertically 55 on the connecting pins c, c, that pass

through the said bars and are fixed in the ends of the back.

In the back edges of the two frames B, C, I make a series of vertical or inclined notches d, d, &c., which I place at different heights, 60 as seen in the drawings, and so as to receive the studs a, a, the notches of one end frame being made to correspond in number and height with those of the other frame. In case the back is a reversible one I make a 65 second series of such notches on the opposite sides of the two end pieces, as seen at e, e, &c. These notches should each be so made as to hold the back in place, or so that when the back is pressed against by the 70 back of a person while he is sitting upon the seat the external sides of the notches shall prevent the lower edge of the seat from being moved backward by such pressure. The 75 series of notches applied to the two end frames on the same side of the seat enables us not only to raise or lower the back to different altitudes, but to give to it such an inclination as may be agreeable for supporting the head of a person as well as his back. In 80 order to aid the back in being further inclined, each of the bars E, F may be provided with a rack of teeth h, by which the rack may be made to catch between any two of its teeth on the pin G or H below it, 85 whereby the back when brought up to any required altitude may be set forward or backward to such inclination as may be desirable. When a reversible back is used I 90 make use of two racks i, i, to each bar E or F, they being made to stand opposite to each other, as seen in the drawings. When the back is reversed the racks i, i, are used on the pins G, H.

What I claim as my invention is—

1. To so combine the back D with the two end frames B, C, by means of bars E, F, jointed to it, one or two studs a, and one or two series of notches d, d, or equivalents therefor, that the said back (when not a reversible one) may be raised and inclined in various positions, so as to not only support the back but the head of a person at the same time.

2. And I claim making the back reversible by means of two series of notches d d and e, e, &c., and two sets of studs b, or equivalents, the same being arranged on opposite sides of the chair, and made to operate as specified.

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3. And in combination with the back made to raise and be inclined by contrivances substantially as specified, I claim the improvement of making each bar E, F, with a rack or racks of teeth or succession of notches to be set on the pin G or H, in manner and for the purpose as specified.

In testimony whereof I have hereto set my signature this twenty third day of March, A. D. 1852.

SAMUEL M. PERRY.

Witnesses:

R. H. EDDY,  
G. W. CUTLER.

[FIRST PRINTED 1912.]