T. E. WARREN.

Car Seat.

No. 7,539. Patented July 30, 1850.

Fig. 1.

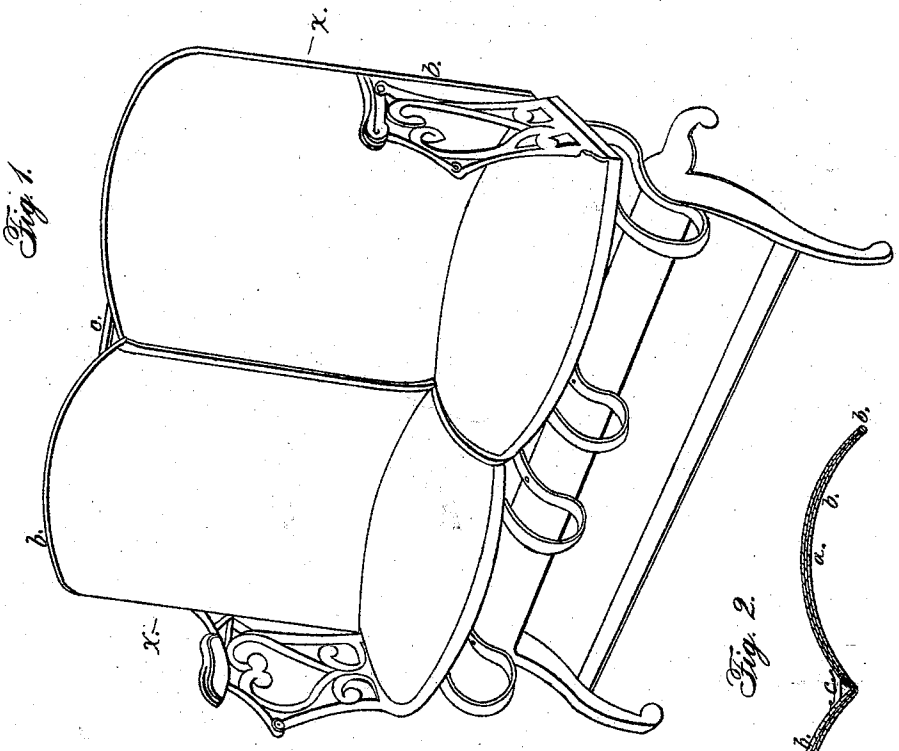


Fig. 2.

AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS.)

UNITED STATES PATENT OFFICE.

THOMAS E. WARREN, OF TROY, NEW YORK.

CAR-SEAT BACK.

Specification of Letters Patent No. 7,539, dated July 30, 1850.

To all whom it may concern:

Be it known that I, THOS. E. WARREN, of Troy, in the county of Rennselaer and State of New York, have invented a certain new and useful Mode of Constructing Spring Railroad-Car and other Seat Backs; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification in which—

Figure 1 is a perspective view of a car seat with my new construction of back, and Fig. 2 is a lateral longitudinal section through the same, taken at the line x, x, of Fig. 1.

The nature of my invention consists in forming the back of spring sheet iron, or any other suitable metal the same extending along two or more seats on the same base; the back is in a curved form for each seat by this mode they are rendered cheap of construction, give ease to the sitter in consequence of the form given to them to constitute the spring.

The construction is as follows (a) the back which has beads of iron (b, b,) which surround it and are bent over the edge to give the proper stiffness and strength to the back, c, is a brace placed in the short crook between the two main curves to give strength and retain it in proper form this back is attached to the arms by long rods affixed to its extreme ends by which its motion is allowed and in some measure aided. It will be readily seen that this form of back constitutes an easy elastic resting position for the back, and yields to sudden concussion; the amount of spring may be regulated by the length of the brace (c,) between the two curves for the rest of the back, most clearly represented in Fig. 2.

Having thus fully described my improved spring back car seat what I claim as my invention and desire to secure by Letters Patent is—

The forming of the backs of car seats of double curved plates of metal attached by the ends to the arms of the seat made to embrace both sides of the end pieces to which they are pivoted and on which the car seats are reversed formed, stayed and braced substantially in the manner and for the purpose herein specified.

THOS. E. WARREN.

Witnesses:
E. BELL,
E. G. BRUNDAGE.