

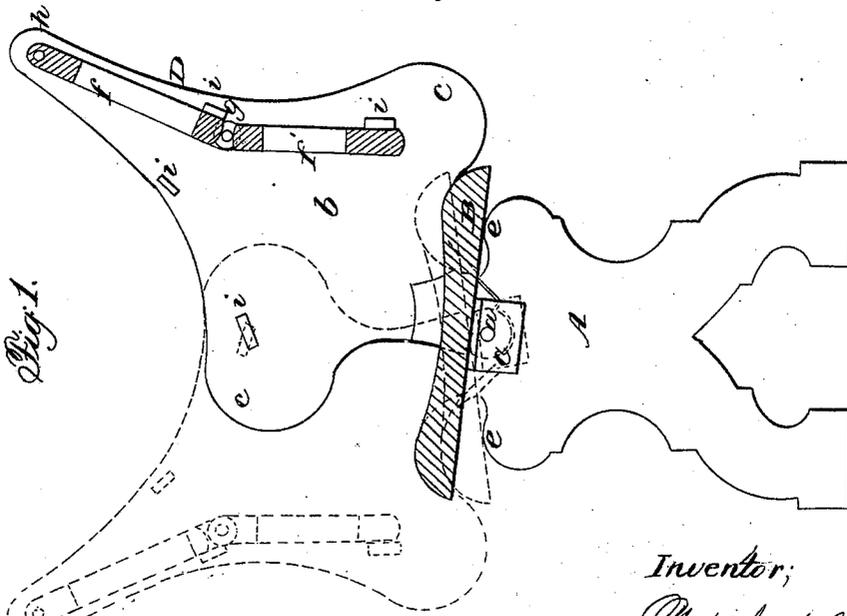
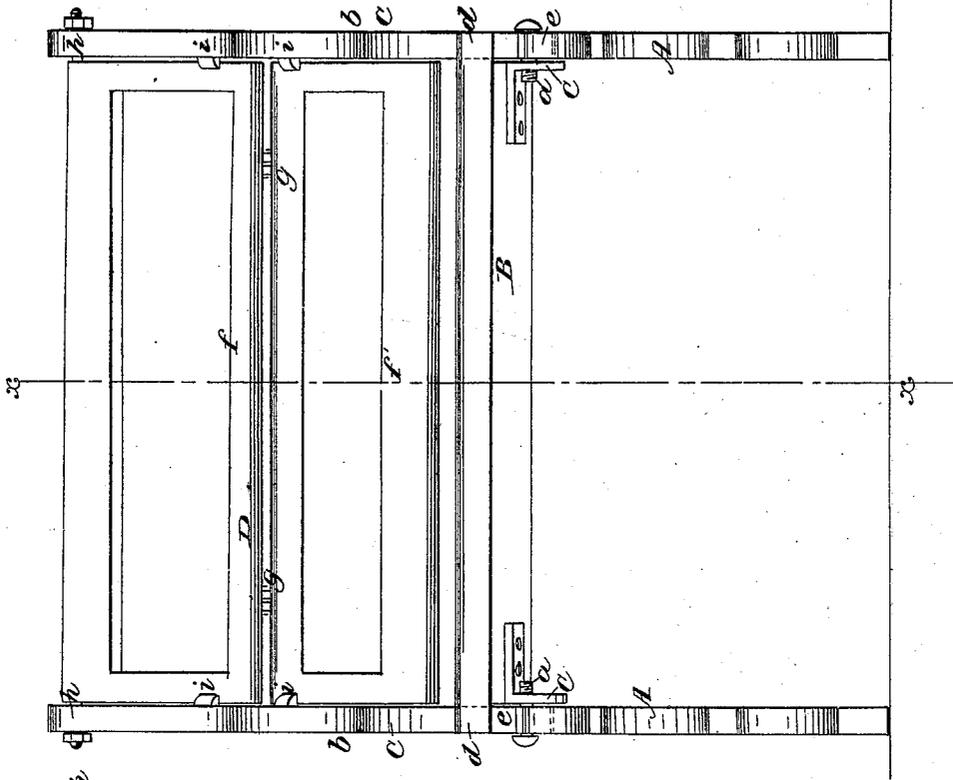
W. H. JOECKEL.

Car Seat.

No. } 2,883. {  
      } 33,887. {

Patented Dec. 10, 1861.

*Fig. 2.*



*Fig. 1.*

Witnesses;  
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# UNITED STATES PATENT OFFICE.

WILLIAM H. JOECKEL, OF NEW YORK, N. Y.

## IMPROVED SEAT FOR RAILROAD-CARS AND SCHOOLS.

Specification forming part of Letters Patent No. 33,887, dated December 10, 1861.

*To all whom it may concern:*

Be it known that I, WILLIAM H. JOECKEL, of the city, county, and State of New York, have invented a new and Improved Seat Designed Chiefly for Railroad-Cars and Schools; 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 side sectional view of my invention, taken in the line  $x x$ , Fig. 2; Fig. 2, a front view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to obtain an adjustable seat with a reversible back, the parts being so arranged that the seat will be adjusted and inclined at the proper angle by the movement of the back to either side of the seat.

The invention also has for its object an independent adjustable rest or back support, so arranged as to admit of the back of the occupant of the seat being properly supported irrespective of the position of the side pieces of the back, thereby enabling the latter to be connected to the framing on supports of the seat at the most convenient point to effect the desired end.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A A represent the framing or two end pieces or supports of the seat B. The seat B is not rigidly attached to the supports A A, but is connected thereto by screws  $a a$ , which pass through the upper parts of the supports A A at their centers and through pendent plates C C attached to the under side of the seat centrally at its ends. (See Fig. 1.)

The seat B is allowed to work freely on the screws  $a a$ , and on the same screws  $a a$  the lower ends of the side pieces  $b b$  of the back are fitted and allowed to work freely. Each side piece  $b$  is formed with a projecting lip  $c$  at each side, as shown in Fig. 1, underneath which the ends  $d$  of the seat B project, the ends of the seat being notched or recessed centrally to receive the lower parts of the side pieces, and thereby admit of the lips  $c$  pro-

jecting over the ends  $d$  of the seat near its edges.

The ends  $d$  of the seat serve as bearings or supports for the side pieces  $b b$ , and the ends  $d$  are supported by the ends  $e$  of the upper parts of the end pieces or supports A A. The screws  $a a$ , to which the seat B is attached, are a trifle higher than the upper surfaces of the ends  $e e$  of the supports A, and consequently the seat will have an inclined position and will be thus detained by the side pieces  $b b$ ; and it will be seen that when the side pieces are turned or adjusted to either side of the seat they will adjust the latter in its proper inclined position, these results being due to the lips  $c$  of the side pieces being over the ends  $d$  of the seat. Between the side pieces  $b b$  the adjustable rest or back support D is placed. This rest or back support is formed of two rectangular frames  $f f'$ , which are about of equal size and connected together by hinges or joints  $g$ . The upper frame  $f$  is suspended at its upper part between the upper parts of the side pieces  $b b$  by pivots or bolts  $h$ , and is allowed to swing freely thereon, and to the inner surfaces of the side pieces  $b b$  there are attached stops  $i$ , which retain the frames  $f f'$  in proper position when the side pieces  $b b$  are at either side of the seat. This will be fully understood by referring to Fig. 1.

The independent rest or back support D admits of the side pieces  $b b$  being fitted on the screws  $a a$ , for the rest D is what supports the back of the occupant of the seat. If the rest or back support were rigidly attached to the side pieces  $b b$  it could not have a proper inclined position to suit the back of the occupant. In the latter case the side pieces would require to be connected to the lower parts of the supports A A, in order that the back might have a proper inclined position, and the advantage of the adjustable seat moved by the side pieces would not therefore be obtained.

The seat B and rest or back support D admit of being upholstered, as usual. The parts may be constructed of either wood or metal, although wood would possibly be the preferable material for the seat and rest or back support.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The reversible side pieces *b b*, attached to the seat-supports A A at the points specified, in connection with the independent adjustable rest or back support D, arranged substantially as and for the purpose set forth.

2. The combination of the side pieces *b b* and adjustable seat B, attached to the supports A A, and arranged to operate as and for the purpose set forth.

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Witnesses:

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