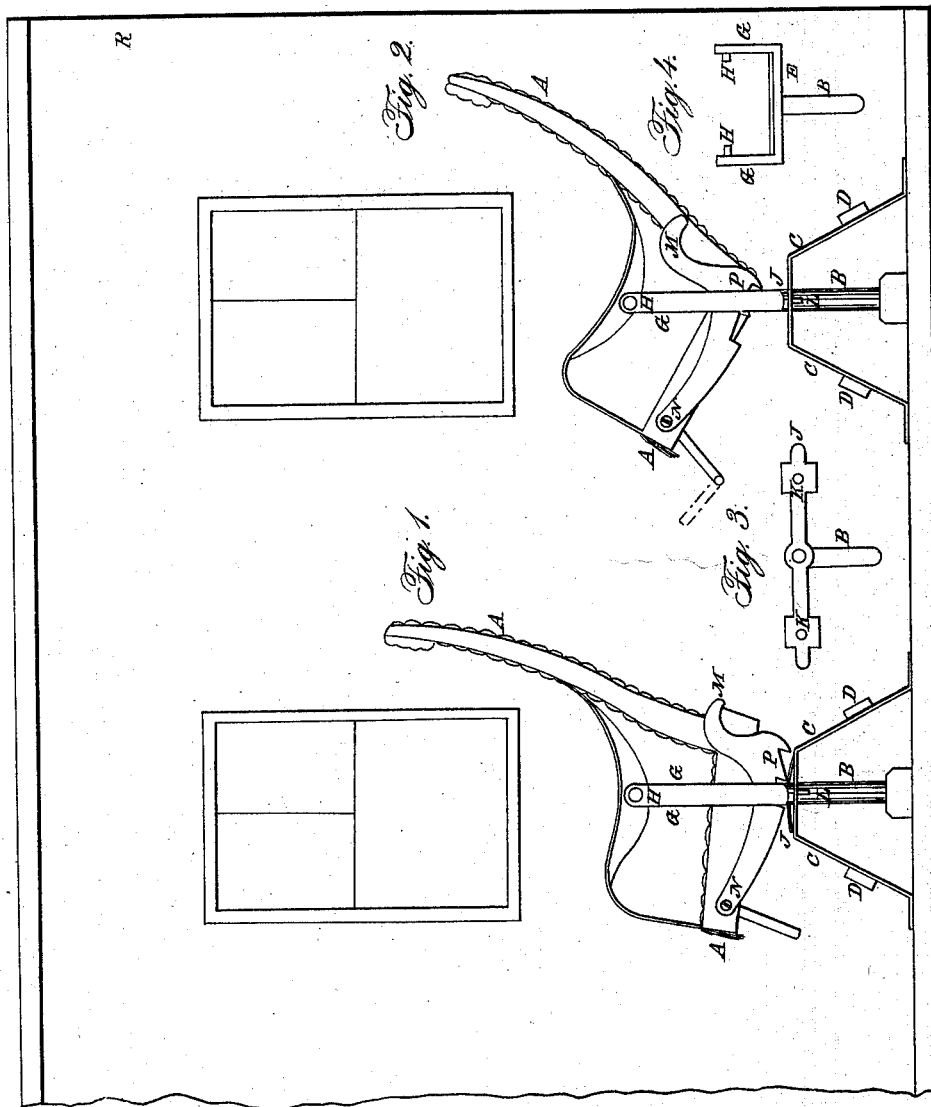


G. W. SAYRE.
Car Seat.

No. 47,342.

Patented Apr. 18, 1865.



Witnesses:

Franklin Hergart
Gilbert B. Lowles

Inventor:

George W Sayre

UNITED STATES PATENT OFFICE.

GEORGE W. SAYRE, OF PISGAH, OHIO.

IMPROVEMENT IN RAILWAY-CAR SEATS.

Specification forming part of Letters Patent No. 47,342, dated April 18, 1865.

To all whom it may concern:

Be it known that I, GEORGE W. SAYRE, of Pisgah, Butler county, and State of Ohio, have invented new and useful Improvements in Railway-Car Seats; and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

Figure 1 shows the ordinary position of the seat or chair, and Fig. 2 its inclination. Fig. 3 shows the flat spring underneath; Fig. 4, the flat bar with its upright ends.

The nature of my invention consists in an adjustable swinging and revolving chair, operated by the arrangement, construction, and combination of upright posts and notched lever at the sides, and an adjustable flat spring underneath.

The object of my invention is to allow the sitter to incline the back of the chair most comfortable to the position he may require, or to move or turn round as far as he may desire, or to rock himself if he pleases.

A is the seat and back of the chair, made any required shape most comfortable for a traveling, sleeping, or rocking chair. B is the upright center iron post with stays C on each side, the stays having foot-rests D attached. A cross flat bar, E, of iron, rests upon the post B. This bar has forked up-

right ends G that are attached to the center of the chair-arms by a pivot, H, upon which the chair swings or rocks. J is a flat spring underneath the seat, and is fastened at its center to the top of the stays C. The center post, B, passes through the center of this flat spring J, and the spring has an aperture, K, at each end, in which a projecting pin, L, (on the bar E) fits, and when the sitter desires to turn round, he presses down the end of the spring J, and frees the pin L, and moves his chair around to either side.

A curved lever, M, is attached to the side of the seat (near the front) by a pivot, N. It has notches or teeth P on the under side that catch upon the flat bar E, so as to hold the chair in its upright position, or by raising the end of the lever and lowering it again to another notch the back of chair inclines accordingly, to suit the comfort of the traveler.

R represents a section of a railway-car.

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

The arrangement, construction, and combination of the upright ends G of the bar E, notched lever M, and adjustable flat spring J, as herein described, and for the purposes set forth.

GEORGE W. SAYRE.

Witnesses:

J. FRANKLIN REIGART,
JOHN S. HOLLINGSHEAD.