R. H. LEWIS.
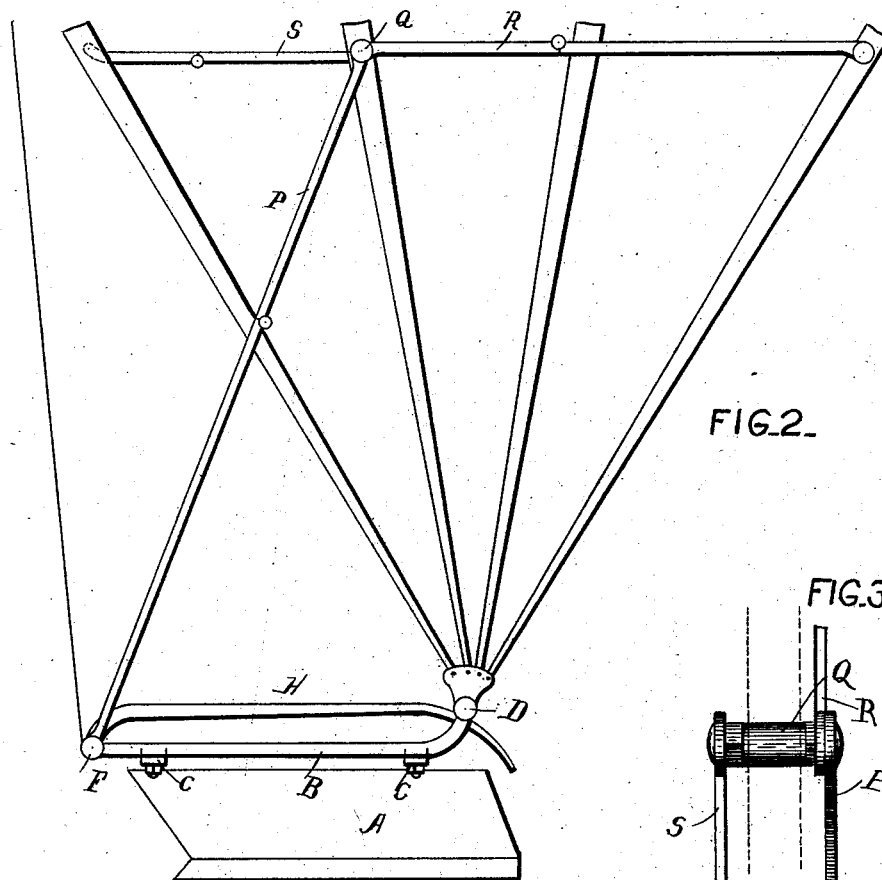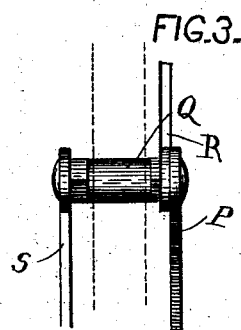## CARRIAGE TOP.
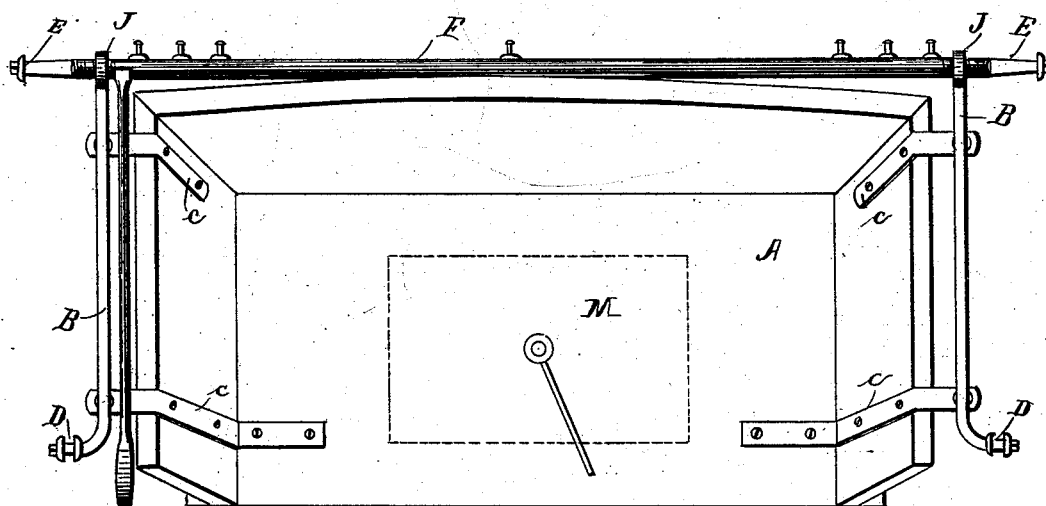
No. 302,146. Patented July 15, 1884.

FIG.2.

FIG.3.

FIG.1.

ATTEST_

E. F. Murdock

Chas. S. Hyer.

INVENTOR_

Richard H. Lewis.

per. H. Snow atty.

UNITED STATES PATENT OFFICE.

RICHARD HALE LEWIS, OF BRAMPTON, ONTARIO, CANADA.

CARRIAGE-TOP.

To all whom it may concern:

Be it known that I, RICHARD HALE LEWIS, of the town of Brampton, in the county of Peel and Province of Ontario, have invented cer-
5 tain new and useful Improvements in Carriage-Seats and Carriage-Tops, (for which I have received Letters Patent in Canada, No. 16,304, dated 16th day of February, 1883;) and I do declare that the following is a full, clear, and
10 exact description of the same.

My invention consists of connecting the rear end of the side rails of the seat to the back rail by an eye on the rear end of the side rails screwing on the back rail, which rocks to ele-
15 vate and lower the carriage-top, the screw-connection admitting of the adjustment of the rails to fit the seat, and dispensing with posts to the seat to support the back rails; also, in securing a seat on a pivot-center, whereby it
20 can be rotated for convenience when putting on the fabric and bringing any part of the top to receive the best light.

In the drawings, Figure 1 is a plan view of a carriage-seat having my invention applied.
25 Fig. 2 is an end elevation of the same. Fig. 3 is a detail view of the joint Q.

To the seat A are attached the side pieces, B B, by means of the braces C C. The end of the side pieces, B B, are bent outward and pro-
30 vided with bow-bolts D D, whereby the top braces are held.

F is the rock-bar, that is attached to the side rails, B B, by means of a screw-thread to the threaded eye J. At either end of this bar is
35 the square bearings E E for the props P P, that connect with and operate the joint Q, which is a square joint that protrudes through to the inside of cover or top, and connects with props S S, by which means the joints back of
40 and before the joint Q are thrown out simultaneously.

The back rails in carriage-seats have been heretofore journaled in ports fixed to the seat, held from sidewise movement by a washer and
45 key, which are inconvenient to the occupant and cumbersome in construction. To improve the construction, I form an eye, J, on the end of the side rails, and tap it on the interior with a screw-thread, and cut a corre-
sponding screw-thread on the back rail, and 50 screw the side rails thereon before fixing them to the seat-irons. The screw-connection allows the side rails to be adjusted apart to suit the breadth of the top, thus allowing different tops to be used. The screw-thread in the eyes and 55 on the rock-bar prevents the side movement spoken of and dispenses with keys. The back rail is provided with knobs K, having a shank which fits in the rock-bar, and forming a button for fastening the curtain. 60

A box is secured to the floor, and the seat is secured pivotally by a bolt, M, passing through a slot in the bottom of the seat into the box, where it is secured by a nut to allow the seat to be turned for convenience in fixing 65 the fabric.

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

1. The combination of the joint Q, pivot- 70 ally attached to carriage cover or top, and having square extremities to which are fixed the braces P, S, and R, with the braces R and S, pivotally secured at their outer ends and jointed in their middles to open in opposite 75 directions, substantially as and for the purpose set forth and described.

2. The combination of the side rails, B, provided at their rear end with an internally-threaded eye, J, and the rock-bar F, threaded 80 at its outer ends to engage eyes J, and operated by lever H, with the jointed braces P, R, and S, joined to and operated by joint Q, all substantially as and for the purpose set forth and described.

Brampton, Ont., December 7, 1883.

RICHARD HALE LEWIS.

In presence of—

W. R. LEWIS,
Mrs. HENRY BURNETT.