

J. N. WHIPPLE.  
CARRIAGE-TOP.

No. 194,752.

Patented Aug. 28, 1877.

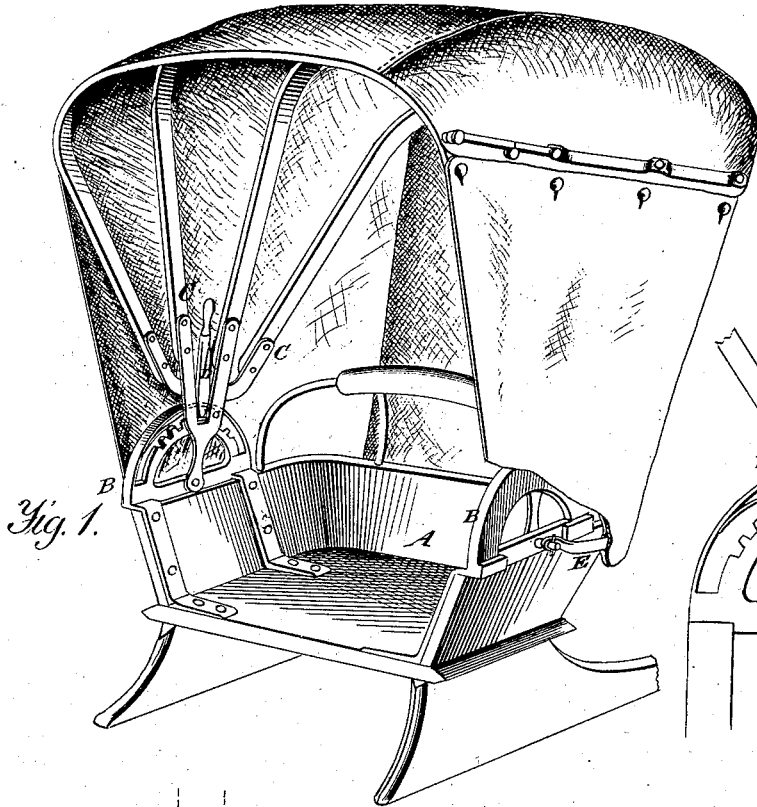


Fig. 1.

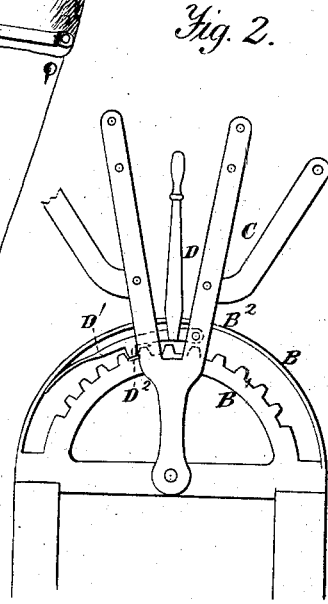


Fig. 2.

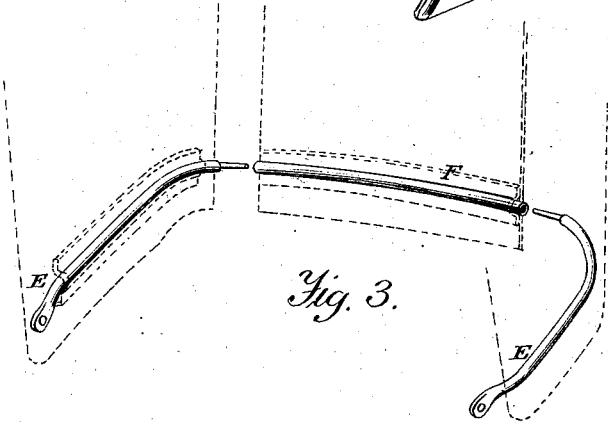


Fig. 3.

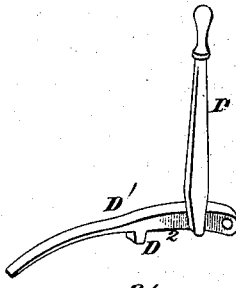


Fig. 4.

Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN CARRIAGE-TOPS.

Specification forming part of Letters Patent No. 194,752, dated August 28, 1877; application filed July 30, 1877.

*To all whom it may concern:*

Be it known that I, J. N. WHIPPLE, of Volga City, in the county of Clayton and State of Iowa, have invented a new and useful Improvement in Carriage-Tops; and I do hereby declare that the following is a clear, full, and exact description thereof, reference being had to the accompanying drawing, making part of this specification.

My invention relates to an improved device for supporting carriage-tops in any required position, and also in a device for holding the curtains in position.

In the annexed drawings, Figure 1 is a perspective view. Fig. 2 is an elevation, showing the device for supporting the top. Fig. 3 is a perspective view, showing the manner of securing the curtains, and Fig. 4 is a perspective view of the handle for detaching the support.

The same letters are employed in all the figures in the indication of the same parts.

A is a buggy-seat, to which is attached a segment, B, having a segmental rack, B<sup>1</sup>, and a flange, B<sup>2</sup>, leaving between them a recess to receive the spring-detent D<sup>1</sup>D<sup>2</sup> of lever D. The lever is attached so as to stand between the second and third bows of the top C. The detent terminates in a spring, D<sup>1</sup>, which tends to force the point D<sup>2</sup> between the notches of the rack B<sup>1</sup>. By drawing on the lever the point is detached and the top may be raised or lowered. When the lever is released the spring will

cause the point to catch into the rack and support the top in any desired position. The detent is pivoted to one of the bows.

E is a bent rod inserted in the bottom of each of the side curtains, the curvature of the rods being that designed for the curtains. The points of the rods projecting beyond the curtains may be inserted in the ends of the tubular brace F in the back curtain, thus holding it down; or they may be detached, so as to permit the curtains to be raised.

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

1. In combination with the bows and seat of a carriage, the arch B, having a segmental rack, B<sup>1</sup>, and flange B<sup>2</sup>, between which the detent with spring D<sup>1</sup> and point D<sup>2</sup> is placed, and lever D for actuating the detent, substantially as set forth.

2. The side curtains containing side rods E E, bent to conform to the shape of the curtains, and having projecting points, in combination with the back curtain, with tubular rod F for securing the curtains, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOEL N. WHIPPLE.

Witnesses:

W. S. GARRISON,  
H. H. PIERSOL.