

O. E. MALLORY.

Shifting Rail for Carriage.

No. 109,528.

Patented Nov. 22, 1870.

Fig. 1.

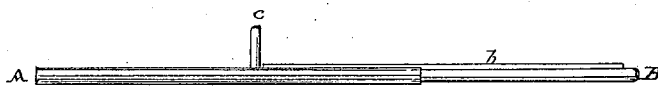


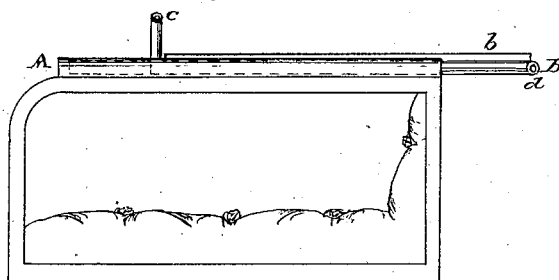
Fig. 2.



Fig. 3.



Fig. 4.



Witnesses.

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ORSON E. MALLORY, OF BATAVIA, NEW YORK.

Letters Patent No. 109,528, dated November 22, 1870.

IMPROVEMENT IN SHIFTING CARRIAGE-TOPS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ORSON E. MALLORY, of Batavia, in the county of Genesee and State of New York, have invented a new and useful Improvement in Shifting Carriage-Tops; and I do hereby declare the following to be a full and correct description of the same, sufficient to enable others skilled in the art to which my invention appertains to fully understand and construct the same, reference being had to the accompanying drawing which makes part of this specification, and in which—

Figure 1 is a side elevation illustrating my improvement;

Figures 2 and 3 are plan views of the same; and

Figure 4 is a side elevation of a buggy or carriage-seat with my improvement attached.

Like letters of reference indicate like parts in the several figures.

My invention is an improvement on that for which Letters Patent were granted me June 28, 1870, and August 30, 1870; and

It consists in a cylinder, provided with a slot, in which slides a rod sustaining the frame of the top, each side of the seat being provided with such a cylinder, which is attached to the bearings of the seat.

In the drawing—

A is the cylinder, provided on its upper side or surface with a slot, *a*.

This cylinder may be attached to the bearings of the seat, as shown at fig. 4, or the cylinder may itself form the side railing of the seat.

In this cylinder slides a rod, B, having at its upper surface a bead, *b*, which fits into the slot *a*.

At each end of the rod B is a projection for the at-

tachment of the top—one, *c*, being at the front, and the other, *d*, at the rear end of the rod.

The cylinder A may be permanently attached to the bearings of the seat, or it may be made removable therefrom, or else be made a part of the seat itself, as above described. In either case the top is shifted by merely sliding the rod B backward or forward in cylinder A, the projection *c* and bead *b* moving in the slot *a* and steadying the top.

This sliding may be effected by means of a lever and links, as shown in my former patents, or in any other suitable way, and the extent of the movement of rod B within the cylinder A may be limited to any desired point by set-screws or any other suitable device.

I do not confine myself to making the cylinder round, as for ornamental or other purposes I may make it square or polygonal, in which case the rod B must conform in shape to the cylinder.

Having thus described my invention,

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

1. The cylinder A and rod B, constructed and arranged on a carriage or wagon-seat, substantially as described, for the purpose of horizontally moving the top over the seat, as herein set forth.

2. The combination of the slotted cylinder A *a* with the rod B, provided with bead *b* and bearings *c d*, substantially as and for the purpose described.

O. E. MALLORY.

Witnesses:

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