

S. W. BEACH.
Movable Seat for Carriages.

No. 109,102.

Patented Nov. 8, 1870.

Fig. 1.

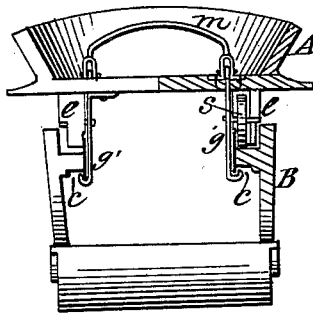
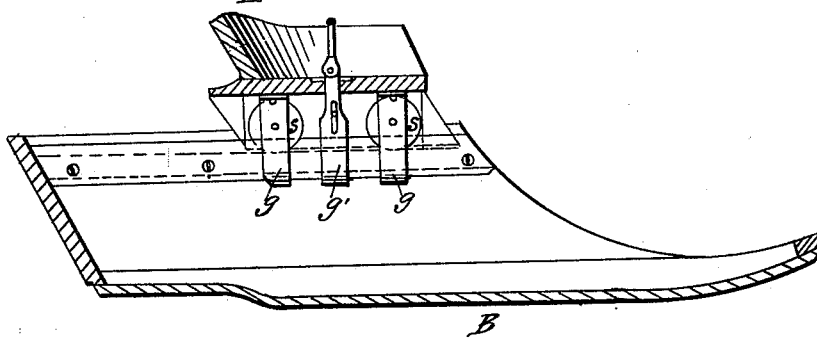


Fig. 2.



Witnesses:

Chas. Sparks

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Per

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Att'y.

United States Patent Office.

SYLVESTER W. BEACH, OF YPSILANTI, MICHIGAN.

Letters Patent No. 109,102, dated November 8, 1870.

IMPROVEMENT IN CLAMPING MOVABLE SEATS FOR CARRIAGES.

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, SYLVESTER W. BEACH, of Ypsilanti, in the county of Washtenaw and State of Michigan, have invented certain new and useful Improvements in Movable Seats for Carriages, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, which forms a part of this specification, in which—

Figure 1 is a transverse section of half the carriage-seat, and a front view of the remaining half.

Figure 2 is a longitudinal section of the body and seat, with the upper part of the body removed.

The nature of my invention consists in the construction of an adjustable carriage-seat, in the manner set forth.

A in the annexed drawing designates the seat, and B, the body of the vehicle.

c c are the two ways, firmly secured to the inner sides of the body B, near their upper edge.

To the inner sides of *c* are fastened the metal plates *d*, the said plates being made to extend above the ways for the purpose hereinafter described.

e e represent two supports, to which the seat A is firmly secured. These supports rest in the surface of ways *c c*, and are kept in place by the rim of the carriage-body on the outer and the plates *d* on their inner side.

To the supports *e e* are securely fastened the metal guides *g*, two being attached to each support. The guides *g* are hooked at their lower end, so as to embrace the edge of plates *d d*.

Between each pair of guides *g* is a third guide, *g'*,

which is made to penetrate the bottom of the carriage-seat and enter a slot at the end of bail *m*, and is pivoted there. The guides *g'* have a vertical slot cut in them, the said slot being penetrated by a bolt, which enters the supports *e e*.

It will be seen that, by the arrangement here described, the supports *e e* will be confined on one side by the rim of the body B, and on the other and inner side by the plates *d d*.

To facilitate the moving the seat A a wheel, *s*, is pivoted to each guide *g* and support *e*, thus producing a rolling in place of a rubbing friction.

In shifting the position of the seat A all that will be required is to raise the bail *m* to a vertical position, and the clamp-guides *g'* will loose their hold on the plates *d d*, so that the seat can be easily moved. By bringing the bail down to a horizontal position the guides *g'* will clasp the plates *d d*, and thus prevent the seat from moving.

Having thus described my invention,

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

1. The clamping-guides *g'*, when constructed and operated substantially as set forth.

2. The bail *m*, the clamping-guides *g'*, the supports *e e*, the ways *c c*, the guides *g g*, and the wheels *s*, the whole constructed and arranged as and for the purpose substantially as specified.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

SYLVESTER W. BEACH.

Witnesses:

A. G. STARR,
E. P. ALLEN.