

E. MILLER.
Shifting-Rail for Vehicles.

No. 210,620.

Patented Dec. 10, 1878.

Fig. 1.

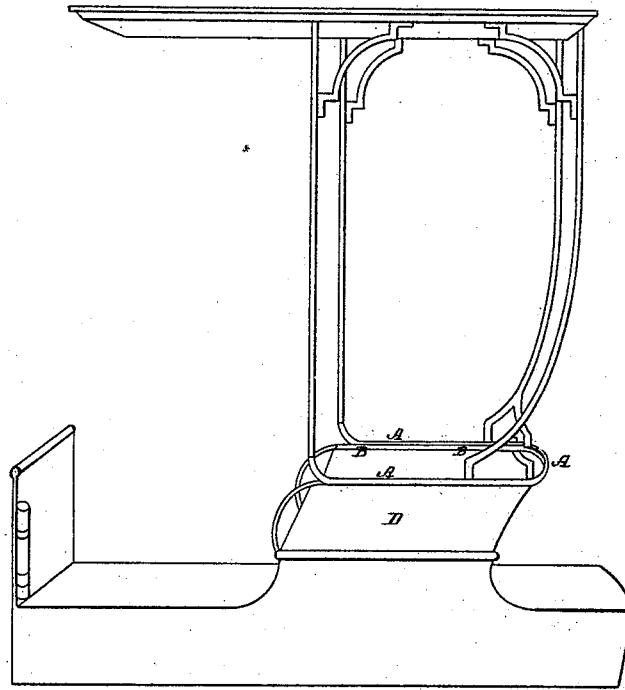


Fig. 2.

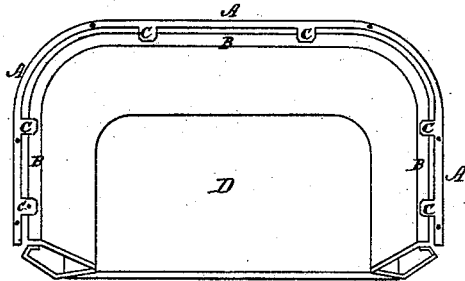
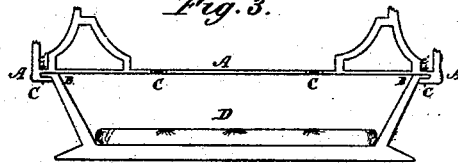


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

EBENEZER MILLER, OF FREDERICTON, NEW BRUNSWICK, CANADA.

IMPROVEMENT IN SHIFTING-RAILS FOR VEHICLES.

Specification forming part of Letters Patent No. 210,620, dated December 10, 1878; application filed April 5, 1878.

To all whom it may concern:

Be it known that I, EBENEZER MILLER, of Fredericton, in the county of York, New Brunswick, Canada, have invented a new and Improved Shifting-Rail for Carriage-Tops; and I do hereby declare that the following is a full, clear, and exact description of the same.

The object of my invention is to furnish an improved shifting-rail for carriage-tops which can readily be attached to and detached from the body of the carriage when the top is not needed.

The invention consists of a rail provided with lugs having upper and lower lips, between which the flange or rim of the seat is clamped by thumb-screws.

Figure 1 is a side elevation of a carriage with my improved rail. Fig. 2 is a plan view of the seat with rail attached. Fig. 3 is a front view of the same.

In the drawing, A represents the rail; B, the flange or rim of the seat D; C, the lugs of the rail, provided with upper and lower lips, which are made a little farther apart than the thickness of the flange or rim of the seat, so that when lined with rubber, leather, or other suitable material, they will fit the rail snugly. *c'* are the thumb-screws, which pass through the

lips of the said lugs, and through the flange or rim of the seat, to secure the rail to the said seat. It will thus be seen that the rail can readily be attached or detached by loosening the thumb-screws and slipping it off or on, as the case may be.

My invention is especially applicable to Graham's sheet-iron seat; but it can be attached to any wooden seat by simply attaching a rim or flange to the said seat.

I am aware that a shifting-rail made in sections and having grooves for the reception of the flange of the seat, is not new; but

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

The herein-described shifting-rail for carriage-tops, consisting of the bar or rod A, provided with inwardly-projecting lugs C, having upper and lower lips adapted to embrace the flange B of the carriage-seat D, and secured thereto by screws *c'*, substantially as and for the purpose described.

Fredericton, New Brunswick, March 28, 1878.

EBENEZER MILLER.

In presence of—
WESLEY VAN WART,
JEREMIAH H. BARRY.