

D. KIRK.
Vehicle-Seat Lock.

No. 204,234.

Patented May 28, 1878.

Fig. 1.

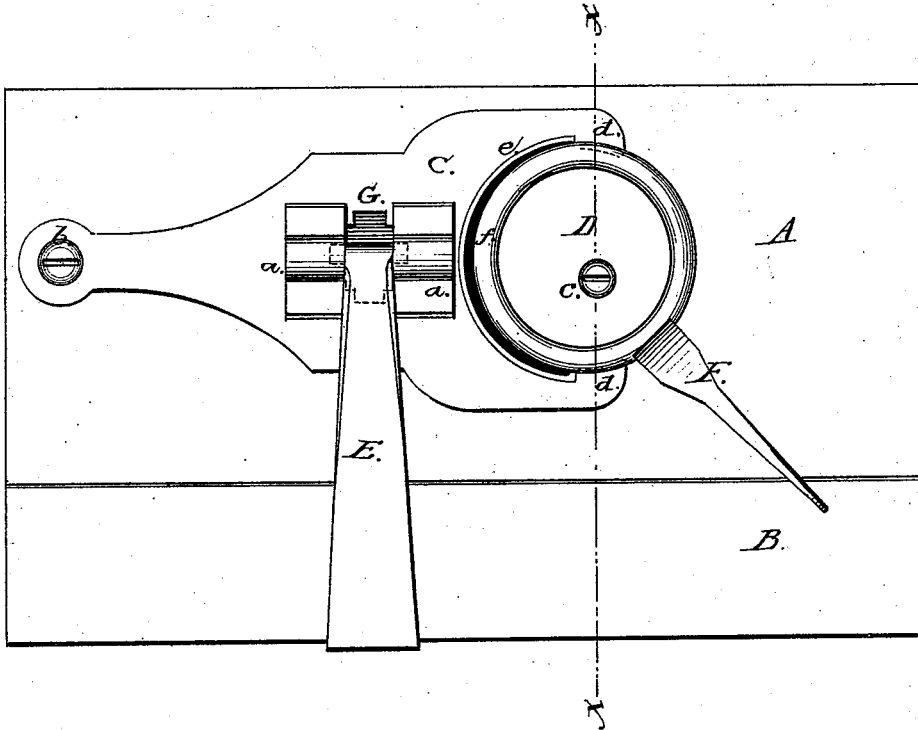
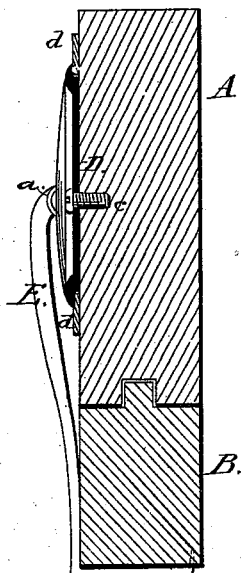


Fig. 2.



Witnesses:
Edw. W. Down
Darius H. Sweet, Jr.

Inventor:
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By Jos. P. Hutton
Atty

UNITED STATES PATENT OFFICE.

DAVID KIRK, OF ORLEANS, NEW YORK, ASSIGNOR TO HIMSELF AND
IRVING D. KING, OF SAME PLACE.

IMPROVEMENT IN VEHICLE-SEAT LOCKS.

Specification forming part of Letters Patent No. **204,234**, dated May 23, 1878; application filed
May 15, 1878.

To all whom it may concern:

Be it known that I, DAVID KIRK, of Orleans, in the county of Ontario and State of New York, have invented a certain new and useful Improvement in Clamping Movable Seats for Wagons; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, in which—

Figure 1 is a plan view of reversible clamp complete. Fig. 2 is a section on the line $x x$ of Fig. 1.

My invention relates to the class of reversible wagon-seat fasteners; and consists in the combination and employment of several devices hereinafter named, and has for its object an improvement by means of which the seats of wagons or other vehicles are easily and securely fastened at any desirable place on the rail of the wagon-box.

A represents the seat-support resting on the rail B. B represents a rail attached to the inside of the wagon-box for the support of the seat. C is a plate of crescent form at the ends d , and fastened at the other end by screw b to the seat-support A, and adjusted so as to have an upward and downward movement about its axis. There is a slot, G, and hinge a in the center of this plate, so formed as to admit of the hook being reversed. D is an eccentric-disk, with an annular bead, f , on its periphery, provided on its under side with a rabbet, which slides over the extended ends d of the plate C.

The disk D is pivoted at c , and secured by means of a screw to the seat-support A, and is so adjusted that it will move within the crescent ends d of plate C, the plate being kept in position by the annular bead f of disk D bearing against the upper surface of said plate. E is a hook, capable of being reversed by turning the same in slot G, fashioned for

this purpose, and provided at one end with journals which are hinged in loops a secured to plate C. This hook, at its opposite end, is bent at right angles, having its edge turned inward and serrated to catch hold of the under edge of rail B. e is a flange turned up from the plate C, against which the bead f bears when the disk is being moved to clamp or release the rail B to or from the seat-support A. The eccentric-disk D is provided with an arm, F, by which it is operated.

In using my clamp, after adjusting the seat-support A to the rail B, I turn the hook E down until its serrated edge comes under the rail B, when, with the hand on the handle F, I throw the eccentric upward to move the plate C, which draws the hook E, and buries it into the under edge of the rail B, to hold said rail and support firmly together at any given point.

When it is desired to release the seat, I simply move the eccentric in an opposite direction, when the hook will be released and the seat will be free.

The support A and rail B are provided with a tongue and a groove, by preference, although the clamp may be used effectually without this provision.

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

1. The combination of the plate C, the reversible hook E, and the eccentric D, substantially as described.

2. The plate C, pivoted at b , and provided with crescent-formed ends d , in combination with hook E and rabbeted eccentric D, substantially as described.

In testimony whereof I have hereunto subscribed my name.

DAVID KIRK.

Witnesses:

L. R. LOMBARD,
IRVING D. KING.