

C. F. Hallenbeck,

Seal.

No. 107,684.

Patented Sep. 27. 1870.

fig. 1.

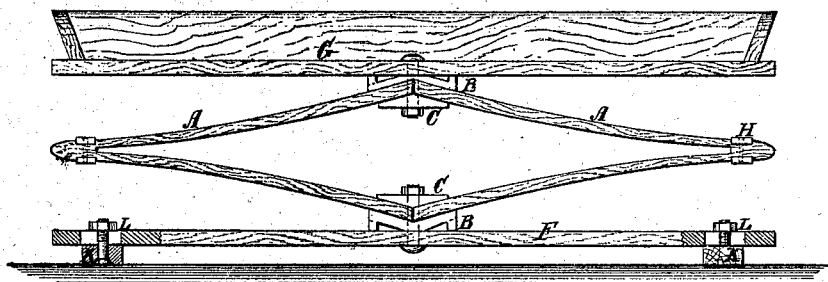
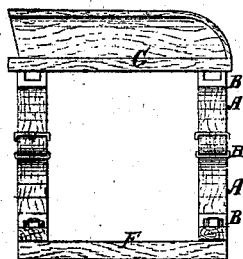


fig. 2.



Witnesses.

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CHARLES F. HOLLENBECK, OF KIRKVILLE, MISSOURI.

Letters Patent No. 107,684, dated September 27, 1870.

IMPROVEMENT IN WAGON-SEATS.

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, CHARLES F. HOLLENBECK, of Kirkville, in the county of Adair and State of Missouri, have invented a new and useful Improvement in Wagon-Seats; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvements in the detachable spring wagon-seats used by placing them on the tops of the side boards of the wagon-boxes, or on the cleats or ribs attached to the sides.

The invention consists in an improved construction and arrangement of the springs.

Figure 1 is a front elevation, partly sectioned, of my improved seat, and

Figure 2 is an end elevation of the same.

Similar letters of reference indicate corresponding parts.

The improvement in the springs consists in the production of wood springs, nearly of the form of elliptical springs, by means of two split or bifurcated wood springs, A, placed with the butts of the split ends together, as shown, between the plates B C, which are provided with the double inclines, calculated to so spring the said ends when firmly clamped between them by the bolts and nuts D E, which also attach the said plates, respectively, to the boards F G, so that the said ends will be separated from each

other in the double V-form shown, and prevented from closing down together.

The other ends of the springs are prevented from separating by the metallic bands H.

These springs are attached to the lower and upper boards, F G, of the spring, in the direction of their length, instead of crosswise, as heretofore, and therefore are not in the way as much as the others, especially in getting in and out of the wagon.

K represents the adjustable cleats on the board F, for bearing against the sides of the boxes to hold the seat in place.

They are made adjustable by passing the bolts L, which confine them, to the board F, through slots in the latter, which admits of moving the cleats when the nuts are loosened.

Having thus described my invention,

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

1. The improved wagon or other springs, consisting of the parts A A, clamping plates-B C, clamping bolts, and the metal bands H, all combined and arranged substantially as specified.

2. The combination, with the above, of the boards F G and the cleats K, substantially as specified.

CHARLES F. HOLLENBECK.

Witnesses:

A. S. HARMON,
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