

D. V. MILLER.
Vehicle-Seats.

No. 153,594.

Patented July 28, 1874.

fig. 1

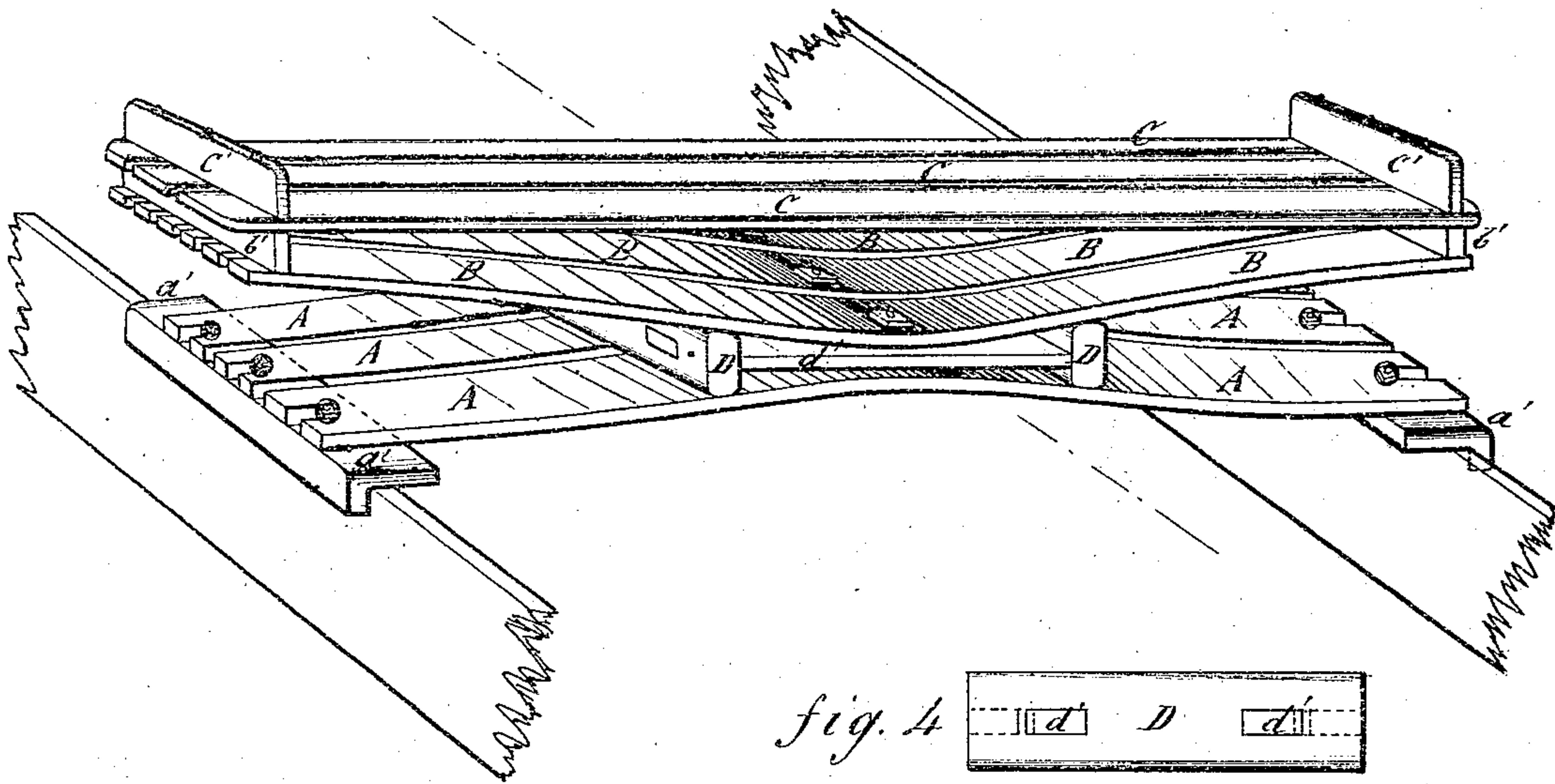


fig. 4



fig. 2

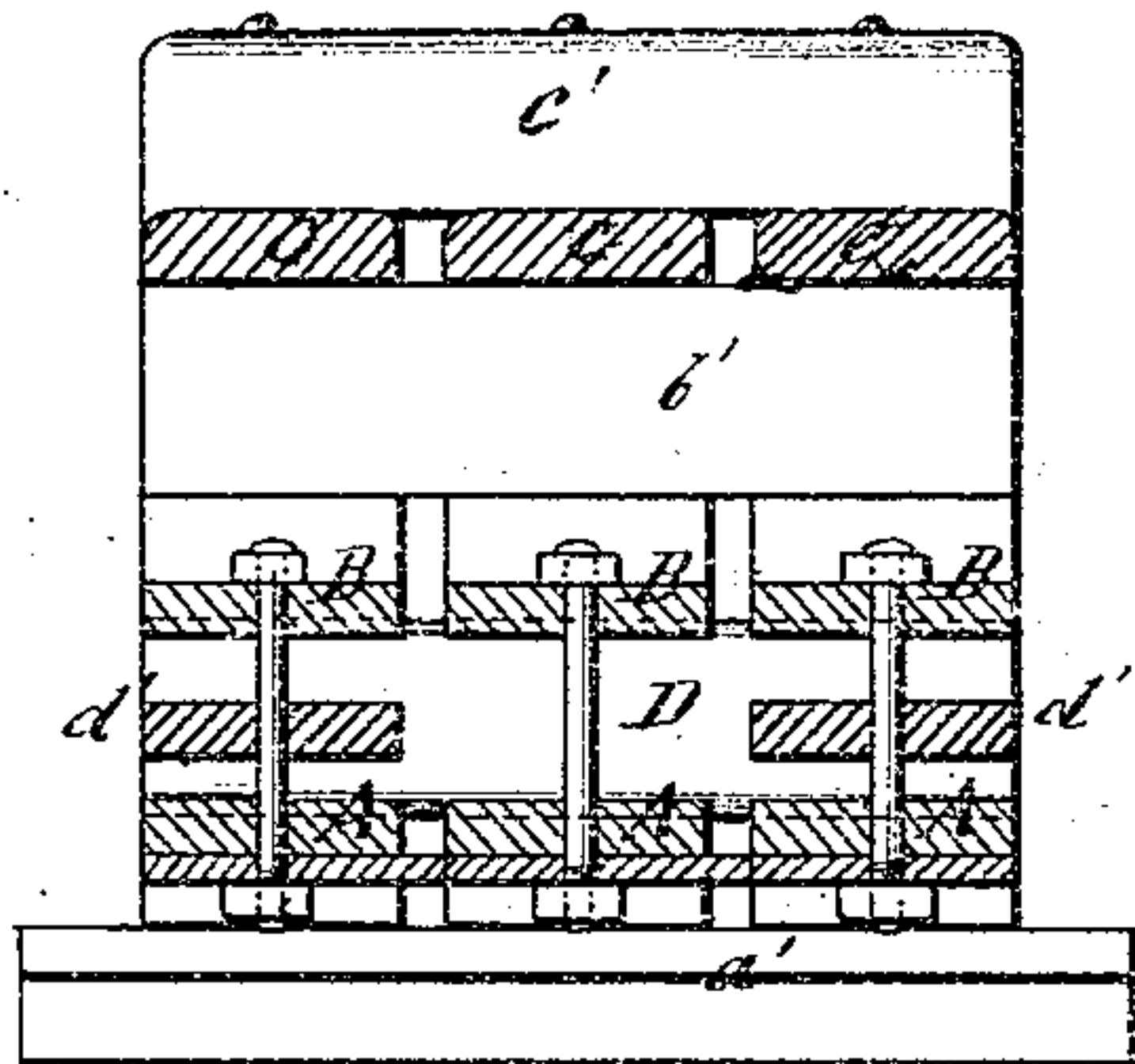
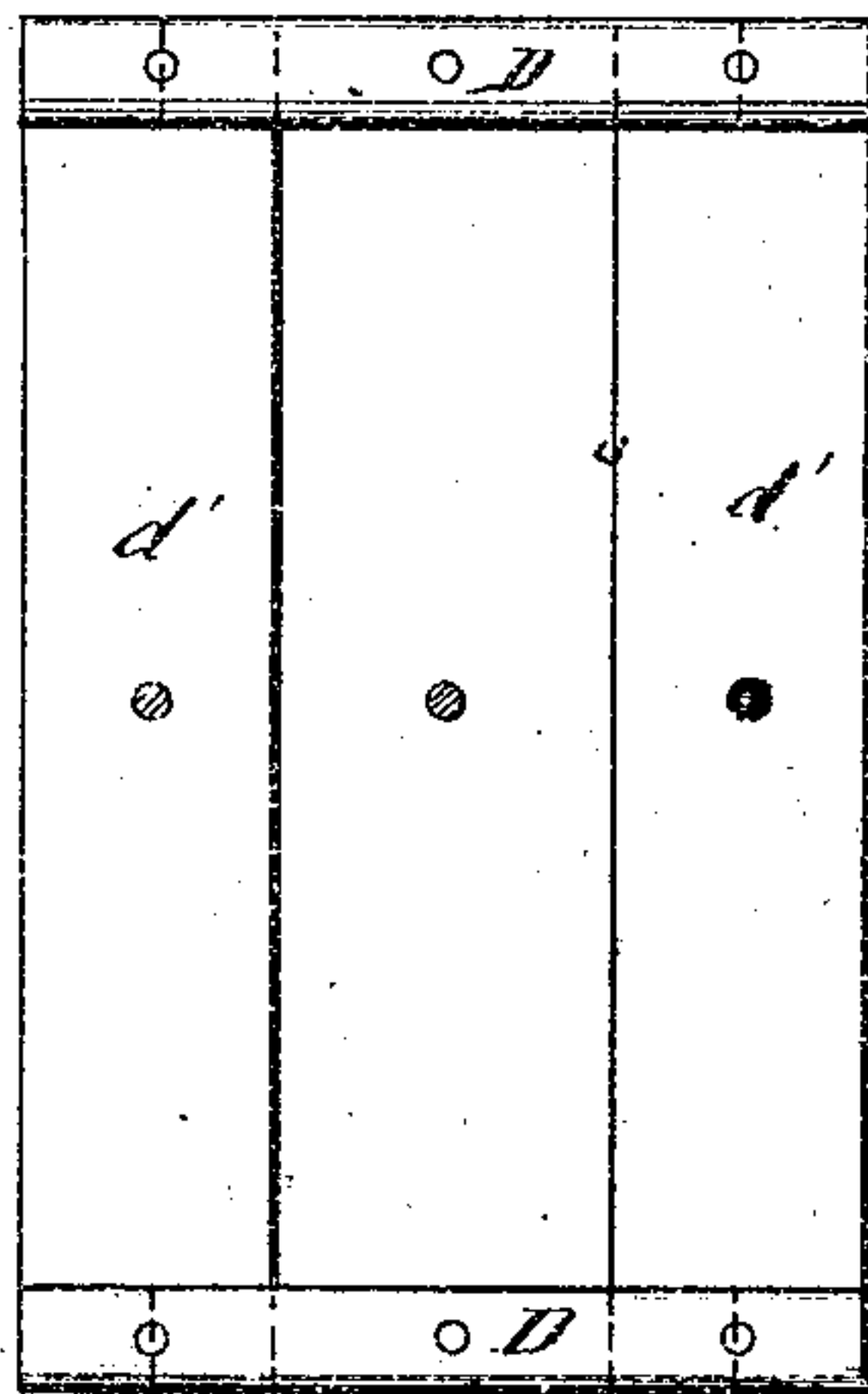


fig. 3



WITNESSES:

C. Neveux.
W. G. G. G.

INVENTOR:

D. V. Miller
BY *Mumford*

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UNITED STATES PATENT OFFICE.

DARWIN V. MILLER, OF WEEDSPORT, NEW YORK.

IMPROVEMENT IN VEHICLE-SEATS.

Specification forming part of Letters Patent No. **153,594**, dated July 28, 1874; application filed June 13, 1874.

To all whom it may concern :

Be it known that I, DARWIN V. MILLER, of Weedsport, Cayuga county and State of New York, have invented a new and useful Improvement in Spring Wagon-Seat, of which the following is a specification :

Figure 1 is a perspective view of my improved spring-seat. Fig. 2 is a cross-section of the same, taken through the line *xx*, Fig. 1. Fig. 3 is a top view of the center frame. Fig. 4 is an end view of the center frame.

My invention has for its object to furnish an improved spring-seat for lumber-wagons and other springless wagons, which shall be simple in construction, strong, and durable, and at the same time very elastic. The invention consists in an improved spring-seat formed of the two sets of spring-slats slotted at their ends and drawn together at their centers over a frame interposed between them, the upper set of spring-slats, and the cross-bars, as hereinafter fully described.

A is the lower set of spring-slats, the ends of which are slotted longitudinally to receive the bolts by which they are secured to the cross-bars *a'*, which are rabbeted or flanged upon the lower side to rest upon the edges of the wagon-box. The slots in the springs A enable the bars *a'* to be adjusted to the width of the wagon-box upon which the spring-seat is to be used. B is the central set of spring-slats, the ends of which are slotted to receive the bolts by which they are secured to the cross-bars *b'*, interposed between them and the ends of the upper set of spring-slats C, so

that the springs B can have the necessary play when in use. To the upper side of the ends of the upper slats C are attached cross-bars *c'*, to keep the persons sitting upon the seat from slipping from its ends. D are two cross-bars connected and held in position by two or more strips, *d'*, forming a frame which is interposed between the middle parts of the sets of spring-slats A B, and which is secured in place by bolts passing through the centers of said slats A B and of the strips *d'*, and by which the centers of the slats A B are drawn toward each other, to cause their ends to project from each other, as shown in Fig. 1.

The slats A B C are made of ash or other wood having the necessary strength and elasticity.

The centers of the spring-slats A B may be thinned a little, if desired, to enable them to be drawn together more readily.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A spring-seat for vehicles, formed of the two sets of spring-slats A B, slotted at their ends and drawn together at their centers over a frame, D *d'*, interposed between them, the upper set of spring-slats C, and the cross-bars *a' b' c'*, all combined substantially as shown and described.

DARWIN V. MILLER.

Witnesses:

WILLIAM WATSON,
HENRY R. FILLEY.