

J. F. KING.
Spring Seat for Wagons.

No. 201,925.

Patented April 2, 1878.

Fig: 1.

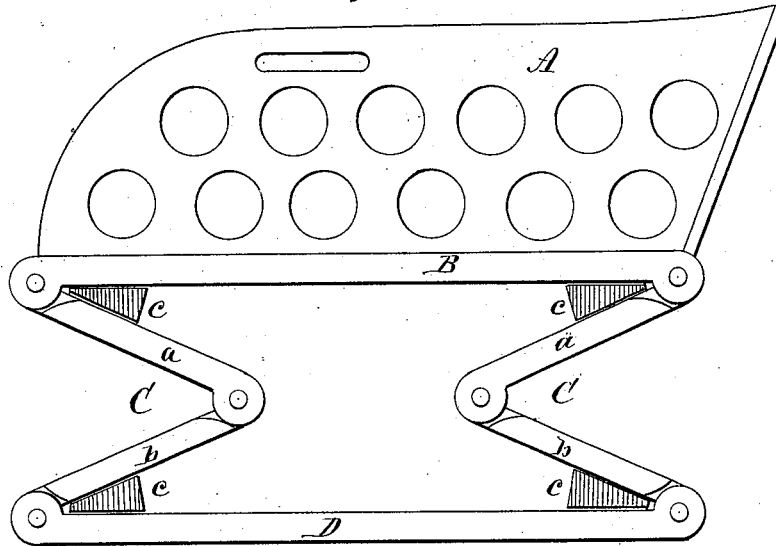
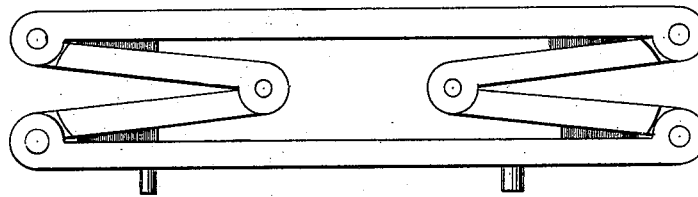


Fig: 2.



WITNESSES:

Cras. Nida.
C. Sedgwick

INVENTOR:

J. F. King
BY *Munroe*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES F. KING, OF EDWARDSVILLE, KANSAS.

IMPROVEMENT IN SPRING-SEATS FOR WAGONS.

Specification forming part of Letters Patent No. **201,925**, dated April 2, 1878; application filed January 23, 1878.

To all whom it may concern:

Be it known that I, JAMES F. KING, of Edwarsville, in the county of Wyandotte and State of Kansas, have invented a new and Improved Seat-Spring, of which the following is a specification:

Figures 1 and 2 in the drawing represent springs made according to my invention.

Similar letters of reference indicate corresponding parts.

The object of my invention is to make a spring for wagon-seats, carriage-bodies, and for various uses, which shall possess the required elasticity without being liable to break when overloaded.

The invention consists in two or more rigid bars jointed together, and having between them, near their joints, blocks of elastic rubber, which are compressed when the bars are moved toward each other, and expand when the bars are released, causing them to regain their normal position.

The invention will be described as applied to wagon-seats; but it is not confined to this particular use, as it may be employed for supporting carriage-bodies, and for other purposes.

In the drawing, A is a wagon-seat, having at each end a cross-bar, B, to which are hinged jointed bars or toggles C, composed of bars *a b*. These toggles are also hinged to bars D, which rest upon seat-supports in the wagon-box. The two sets of bars *a b* project toward each other, and between them and the bars B D, to which they are hinged, triangular blocks *c*, of elastic rubber, are placed.

When the seat is pressed downward by the weight of a person sitting upon it, the elastic rubber blocks are compressed, and when the weight is removed the elastic force of the springs returns the bars *a b* to their normal position.

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

The combination, with bars B D, of the intermediate toggles *a b*, supported at their internal angles on springs *c*, substantially as shown and described, for the purpose specified.

JAMES F. KING.

Witnesses:

JOHN C. MCCOY,
ROBT. T. BASS.