T. THOMPSON.

WAGON-SEAT SPRING

No. 192,797. Patented July 3, 1877.

Fig. 1

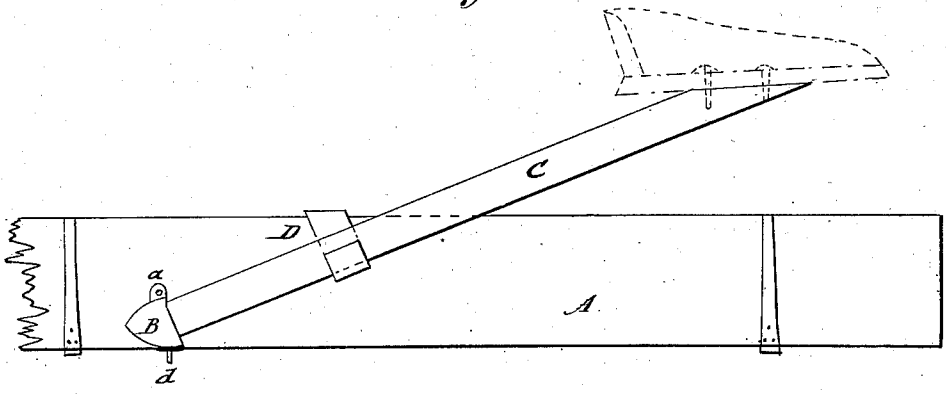


Fig. 2

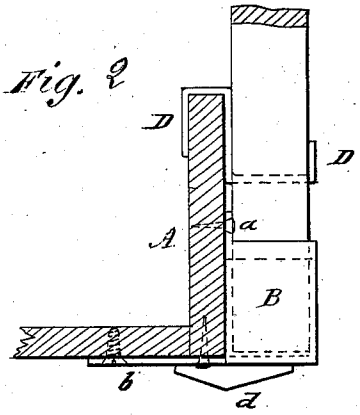
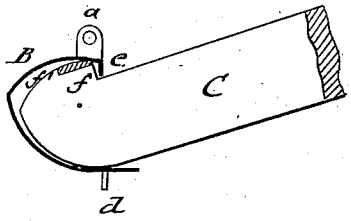


Fig. 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS THOMPSON, OF SHIOCTON, WISCONSIN, ASSIGNOR TO HIMSELF AND JAMES H. HAMLIN, OF SAME PLACE.

IMPROVEMENT IN WAGON-SEAT SPRINGS.

Specification forming part of Letters Patent No. **192,797**, dated July 3, 1877; application filed April 30, 1877.

To all whom it may concern:

Be it known that I, THOMAS THOMPSON, of Shiocton, in the county of Outagamie and State of Wisconsin, have invented a new and Improved Spring for Wagon-Seats, of which the following is a specification:

The object of my invention is to furnish an improved spring for the seats of lumber and other wagons, by which the seat with springs may be conveniently detached from the wagon-box, if it should be required, and readily replaced, the spring being rigidly and securely retained alongside of the wagon-box without danger of working loose or breaking.

The seats hitherto used for lumber and other wagons are made of wooden pieces of about eight or nine feet in length, which decrease in size toward the upper ends to which the seat is bolted.

The lower parts of the spring-pieces pass at suitable inclination along the outside of the wagon-box, being supported by double-hook S-shaped rest-pieces, hung to the upper edges of the box, and connected at the lower ends, which are extended below the box by a lateral screw-bolt and fastening-nut. The nut has to be screwed tight, so as not to work off, as otherwise the seat will be dropped.

To remove the seat without unscrewing the bolt it requires one man to lift the box above the stakes, and a second one to stand on the ground, or get in the box and pass the lower ends of the springs and cross-rod out over the top of the stakes. The other way of taking off the seat is by unscrewing the nut with a wrench and detaching rod and springs; but this is in most cases unhandy, as no wrench is available for this purpose, and as there is also danger of losing the nut.

My improvement is intended to furnish an attachment to the box for the wooden springs, so that the seat may be taken off with the springs, and replaced by one person with great ease, and when in position securely supported without danger of being dropped; and the invention consists of the combination of the wooden seat-sustaining spring, with a hook-shaped intermediate rest-piece, and with a socket at the lower end, the lower end of the spring and socket being so constructed that the spring may be detached only when in upright position.

Referring to the drawing, A represents a box of a lumber, farmer's, or other wagon; B, the metallic socket for the wooden spring C, to whose upper end the seat is attached, and D the hook-shaped support or rest-piece that is hung to the upper edge of the box intermediately between the socket and seat, and at about one-third the length of the spring distant from the socket.

The socket B is bolted by an upper ear, *a*, and bottom plate *b*, with strengthening-rib *d*, to the wagon-box, and made with curved bottom part and a face-flange, *e*, at the upper end. The lower end of spring C is rounded off at the under side, and provided with a top shoulder, *f*, that is strengthened or formed entirely by a metallic face-plate, *f'*, riveted to the top of the shoulder *f*.

When it is desired to take off the seat the springs C, at both sides of the box, are lifted into upright position, so that the shoulders *f'* may clear the flanges *f*, and the spring ends be taken out of the sockets, and the seat removed from the box. The springs are replaced in the same manner, and then let down on the hook-shaped rests D of the box, the seat being thus quickly detached from and replaced on the wagon without any possibility of the springs escaping from the sockets when in inclined position to support the seat.

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

The combination of the socket B, having upper face-flange and curved bottom part, with the rounded-off lower end of the wooden spring C, having a top shoulder and metallic face-plate, substantially as and for the purpose specified.

THOMAS THOMPSON.

Witnesses:

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E. T. MANSFIELD,

D. F. BUTLER.