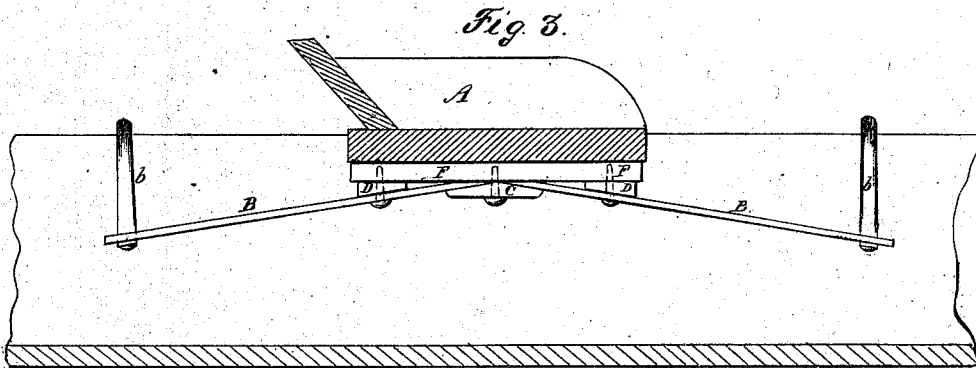
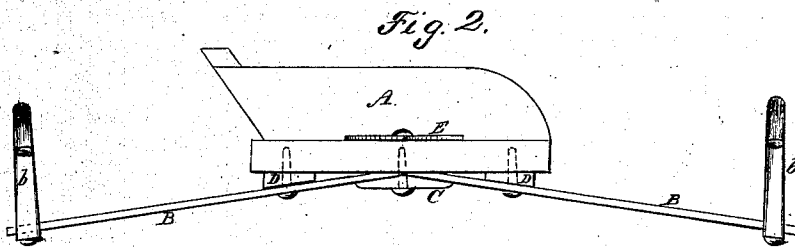
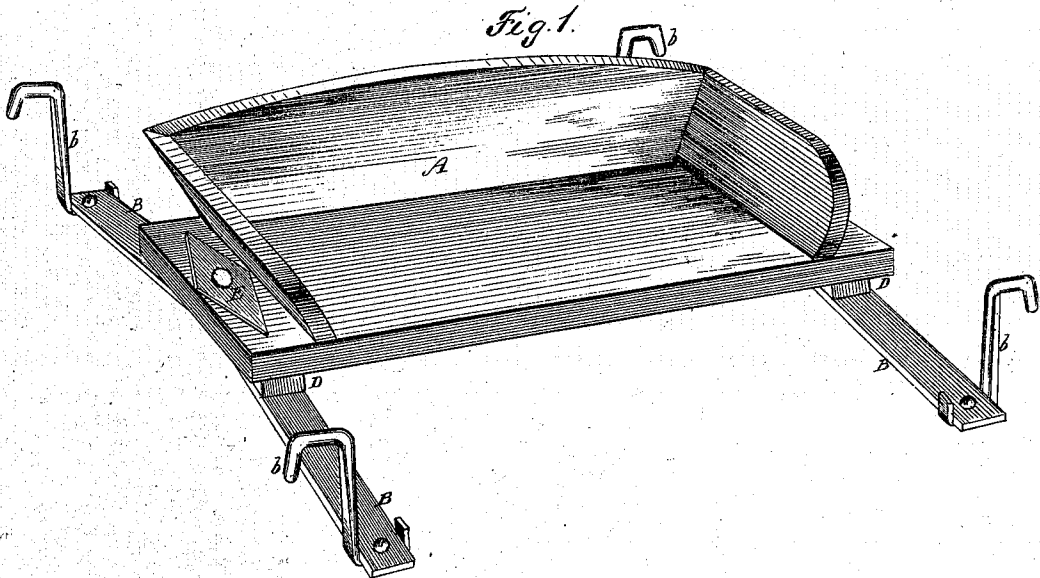


W. H. Elliott.
Seat for Vehicles.

105321

PATENTED JUL 12 1870



Witnesses:
A. Ruppert.
C. F. Clausen.

Inventor:
W. H. Elliott
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United States Patent Office.

WILLIAM H. ELLIOTT, OF BEARDSTOWN, ILLINOIS.

Letters Patent No. 105,321, dated July 12, 1870.

IMPROVEMENT IN SEAT FOR VEHICLES.

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, WILLIAM H. ELLIOTT, of Beardstown, in the county of Cass and State of Illinois, have invented a new and improved Seat for Vehicles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Drawing.

Figure 1 is a perspective view.

Figure 2 is an end elevation.

Figure 3 is a modification of my invention, as shown in figs. 1 and 2.

The object of this invention is to produce a seat, particularly designed for that class of vehicles which are provided with boxes, which shall be simple in its construction, economical, durable, and not liable to tip over; and, to this end,

My invention consists—

First, in supporting a seat upon springs, the outer ends of which rest upon double or right and left bent hooks, and the inner ends being secured to the box, and acting against blocks which form fulcrums for the springs, the upper sides of the parts of the seat, to which these parts are attached, having metal plates, or their equivalents, for the purpose of preventing the seat from splitting; and

Second, in modifying the above, by omitting the metal plate, and introducing a strip below the seat, to which the springs, blocks, &c., are attached, all of which will be fully designated and set forth in the following specification and claim.

Similar letters of reference indicate like parts in each of the figures.

In the annexed drawing, forming a part of this specification—

A represents a wagon-seat, which may be of any form of construction desired.

B B represent springs, made of wood or metal, their outer ends being fastened to the right and left bent hooks *b b*, while their inner ends are secured to the under side of the seat by a bolt through a block, C, and also by two bolts which pass through two blocks D D, which blocks are arranged between the ends of the springs and the edges of the seat, their office being to form fulcrums for the springs.

To the upper side, as shown in figs. 1 and 2, metal

or wooden plates, E E, are secured, for the purpose of preventing the seat from splitting by the upward action of the fulcrum-blocks D D upon the edges of the seat.

The hooks *b b* are made flat at one end, to receive the springs, and round at the other, to act over the sides of the box, as, thus constructed, they not only prevent, to some extent, the injury which would otherwise follow from their contact with the seat, but their lower ends have a vibratory motion, which is desirable.

In fig. 3 a modification of the principle above described is shown. The construction is precisely the same as shown in figs. 1 and 2, with this difference, that the plates E E are rejected, and a strip, F, of suitable material, is introduced below the bottom of the seat, to which the parts B B, C, and D D, are attached, and the seat itself rests upon this strip.

It will be seen that, with this form of construction, the powers are counterbalanced, the upward pressure upon the ends of the strip F being governed, of course, by the amount of weight upon the seat, so that, as the springs transmit their pressure upon the strip F, through the blocks D D, in proportion to the amount of weight upon the seat, that weight, pressing down upon the strip, equalizes the strain.

The seat can be so made as to have any height from the bottom of the box desired, and cannot possibly tip over.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

1. The combination and arrangement, with the seat A, of the springs B B, arranged lengthwise of the box, as shown, blocks C D D, plates E E, and hooks *b b*, substantially as shown and specified.

2. The combination and arrangement of the seat A, intermediate strip F, blocks C D D, and springs B B, substantially as shown and described.

In testimony whereof I have hereunto subscribed my name to this specification in the presence of two attesting witnesses.

Done at Beardstown, in the county of Cass and State of Illinois, this 28th day of May, A. D. 1870.

WILLIAM H. ELLIOTT.

Witnesses:

JAMES COFFIN,
CHARLES KING.