(No Model.)

W. P. GINTER.

CARRIAGE SEAT.

No. 244,585. Patented July 19, 1881.

Fig. 1.

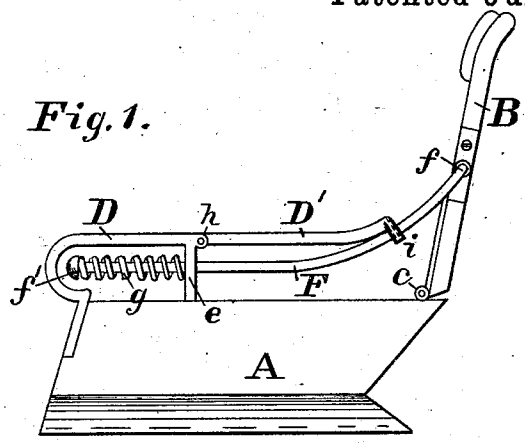


Fig. 2.

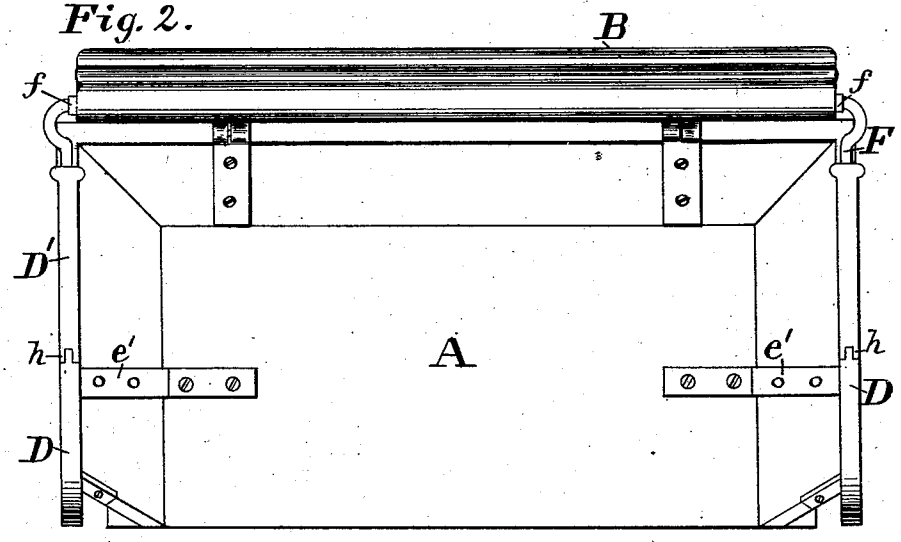
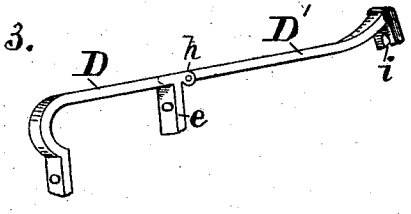


Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM P. GINTER, OF HUGHESVILLE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO DAVID GINTER, OF SAME PLACE.

CARRIAGE-SEAT.

SPECIFICATION forming part of Letters Patent No. 244,585, dated July 19, 1881.

Application filed May 25, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM P. GINTER, a citizen of the United States of America, residing at Hughesville, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Carriage-Seats; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in that class of carriage-seats which are provided with hinged backs and springs to allow the back to yield; and the object is to provide an improved combined rod, one end of which is to be pivoted to the hinged back, and a metal arm for the seat, with which the pivoted rod has a spring-connection, as hereinafter described and claimed.

In the drawings hereto annexed, Figure 1 is a view of the end of a carriage-seat. Fig. 2 is a top view of the seat. Fig. 3 is a view of the metal arm separate from the seat.

The letter A designates the seat, and B the back, which is hinged at *c*. A metal arm for the seat consists of an iron bar, D, bent to a suitable shape and rigidly secured to and above the end of the seat near its front edge. The end *e* of the bar farthest from the front edge of the seat is bent down at a right angle and nearly vertical to the horizontal part, and is firmly secured on the inner side of the seat-end, as shown at *e'*, and thus serves to support the metal arm above the wood part of the seat. A hole through the said nearly-vertical part *e* permits the pivoted rod F to pass freely. One end of said rod is pivoted to the end of the hinged back at *f*, and the other end passes freely, as already stated, through the arm-support *e*, and thence the rod extends along and below the rigid horizontal arm D, whereat a spiral spring, *g*, encircles this part of the rod back of its headed end *f'*, and by bearing against the support *e* the said spring serves to keep the seat-back to its normal position, as shown in full lines in Fig. 1, but permits the back to yield, as shown in dotted lines, under the pressure of the person's body when the horse starts with a sudden jerk.

To the rear part of the rigid arm a supplemental arm, D', is attached by a hinge, *h*, the other end of the hinged arm being bent down and notched at *i* to rest upon the rod F, whereby the free end of said supplemental arm is adapted to yield in the vertical direction as the pivoted rod F falls or rises when the back is moved away from or into its normal position. The entire arm, both the rigid and yielding part, may be padded or cushioned.

By this arrangement the following advantages result: First, the rigid horizontal arm, or the end of the seat near its front edge, serves to shield the end of the rod F and the spiral spring which encircles it, allowing said arm to move endwise freely, and at same time it also serves as a solid or unyielding handle for the hand of a person to grasp upon climbing into the carriage; second, while that part of the arm near the front edge of the seat is suitable to be grasped when climbing into the carriage, because it is rigid, that part which is nearest the back is yielding, and accommodates itself to the movement of the back—that is, it is depressed when the back yields and is raised when the back assumes its normal position.

Having described my invention, I claim and desire to secure by Letters Patent of the United States—

In a carriage-seat, the combination of a hinged back, a rigid or unyielding horizontal arm, D, near the front edge of the seat, a rod, F, having one end pivoted to the hinged back, a spring to draw forward on the rod and back, and a yielding arm, D', hinged to the rigid arm and resting upon the rod, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM P. GINTER.

Witnesses:

JNO. T. MADDOX,

W. A. MUNSEN.