(No Model.)

G. S. MAJORS.

WAGON END GATE.

No. 460,052. Patented Sept. 22, 1891.

Fig. 1.

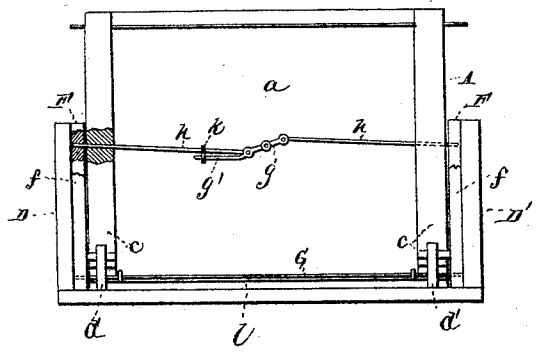


Fig. 2.

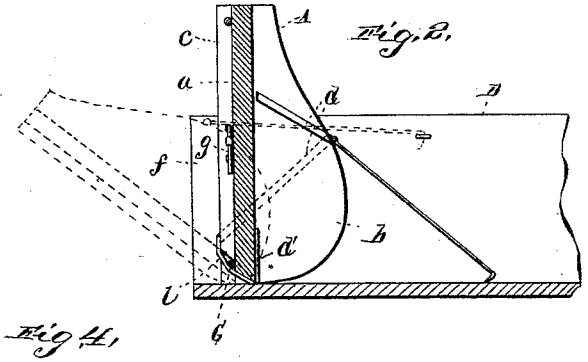


Fig. 4.

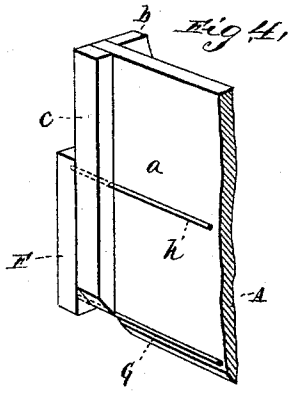
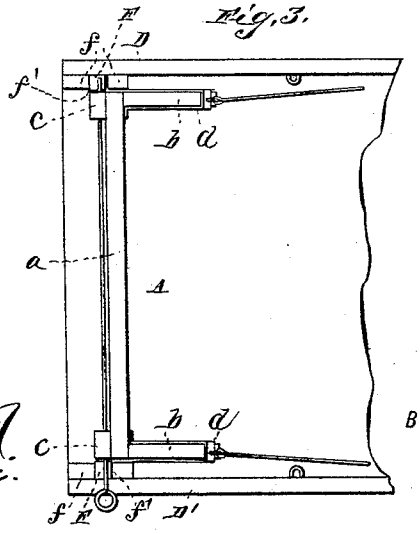


Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE SAMUEL MAJORS, OF HARWOOD, MISSOURI.

WAGON END-GATE.

SPECIFICATION forming part of Letters Patent No. 460,052, dated September 22, 1891.

Application filed March 28, 1891. Serial No. 386,755. (No model.)

To all whom it may concern:

Be it known that I, GEORGE SAMUEL MAJORS, a citizen of the United States, and a resident of Harwood, in the county of Vernon and State of Missouri, have invented certain new and useful Improvements in End-Gates for Wagons; and I do 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 of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a rear view, partly in section. Fig. 2 is a vertical longitudinal section, partly broken away. Fig. 3 is a top plan view, partly broken away; and Fig. 4 is a sectional detail view.

This invention relates to certain new and useful improvements in end-gates for wagons; and it consists in the novel construction and combination of parts, as hereinafter described.

In the accompanying drawings, illustrating the invention, the letter A designates the end-board, which consists of the end-board proper *a*, having the wings or flanges *b* at each edge of its front surface adapted to shut inside the wagon-box. The board is re-enforced by the vertical strips or cleats *c*. The flanges or wings *b* are secured to the end-board by the straps *d*, as shown, one on either side. Straps *d'* also secure the cleats firmly in position.

D D' represent the side-boards, having at their rear portions on the inside the vertical guide-strips *f*, forming ways or guides *f'*, which are adapted to receive the pivot-pieces F. A transverse pivot-rod G passes loosely through keepers on the rear lower portion of the end-board and extending through the pieces F. It will be seen that this rod serves as a pivot for the end-board to turn on, the pieces F remaining between the guides. To hold the boards in a vertical position, the transverse rods *h* are provided, which extend, respectively, through the cleats *c* on each side and into engagement with the pivot-pieces F. At their inner ends these rods are connected by a pivoted link *g*, having the lever or handle portion *g'*. When this lever is brought up into horizontal position, the rods *h* will be given an endwise outward movement, forcing them into engagement with the strips F, and thus securing the end-board against movement, the lever being held in such position by the keeper *k*. When the lever *g'* is released and brought downwardly, it will withdraw the rods from their engagement and permit it to be turned rearwardly on its pivot-rod. To allow them free movement the lower edge of the board and the lower ends of the cleats are beveled, as shown at *l*.

To support the boards in an inclined position, the rods or chains I are provided, which engage staples on the inner surface of the side-boards, and these rods or chains may be adjustable in length to permit the end-board to be supported at the desired angle.

It will be observed that the board may be easily and quickly operated, and is of simple construction and not liable to become easily broken or inoperative by the operation of loading and unloading.

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

1. The combination, with the side-boards having the guide-strips thereon, of the end-board having the vertical end re-enforcing strips F, arranged to fit in said guide-strips, and a transverse pivot-rod G, passed through said strips and through the re-enforcing strips of the end-board at their lower portions, and means for holding said board in a vertical position, substantially as specified.

2. The combination, with the side-boards having the guide-strips secured thereto, of the end-board having the vertical end re-enforcing strip, strip F, fitting between said guide-strips, a transverse pivot-rod passing through the lower portions of said strips and through said re-enforcing strips, the transverse rods *h* for holding said board in a vertical position and having their outer ends adapted to engage apertures in the re-enforcing strips and in the strips F, their inner ends connected by a pivoted link, and a lever connected to said link, and means for supporting said board in a horizontal position, substantially as specified.

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

GEORGE SAMUEL MAJORS.

Witnesses:
N. H. HORN,
L. B. ROPER.