

(No Model.)

H. C. FACKLER.
END GATE FOR WAGONS.

No. 560,983.

Patented May 26, 1896.

Fig. 1.

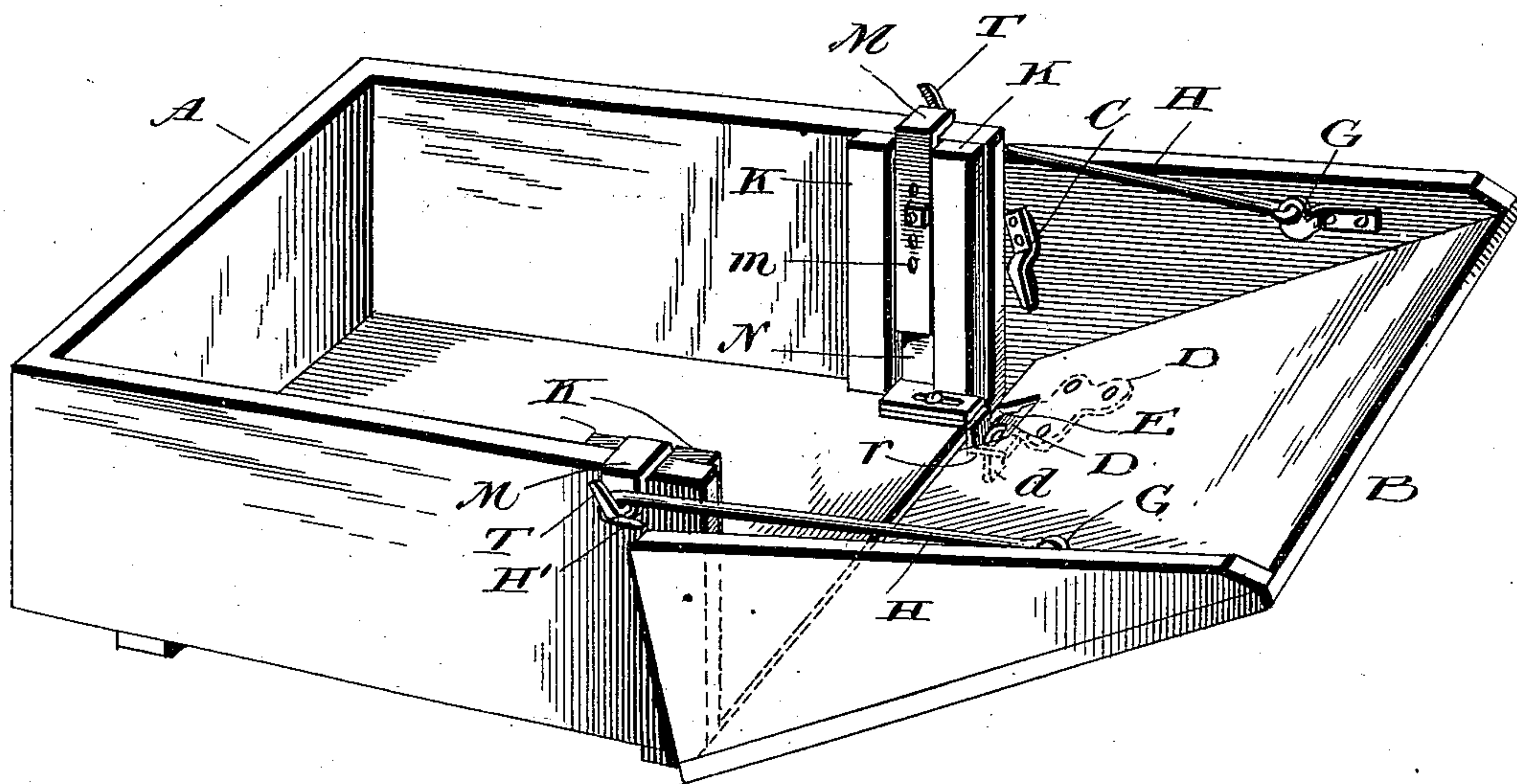
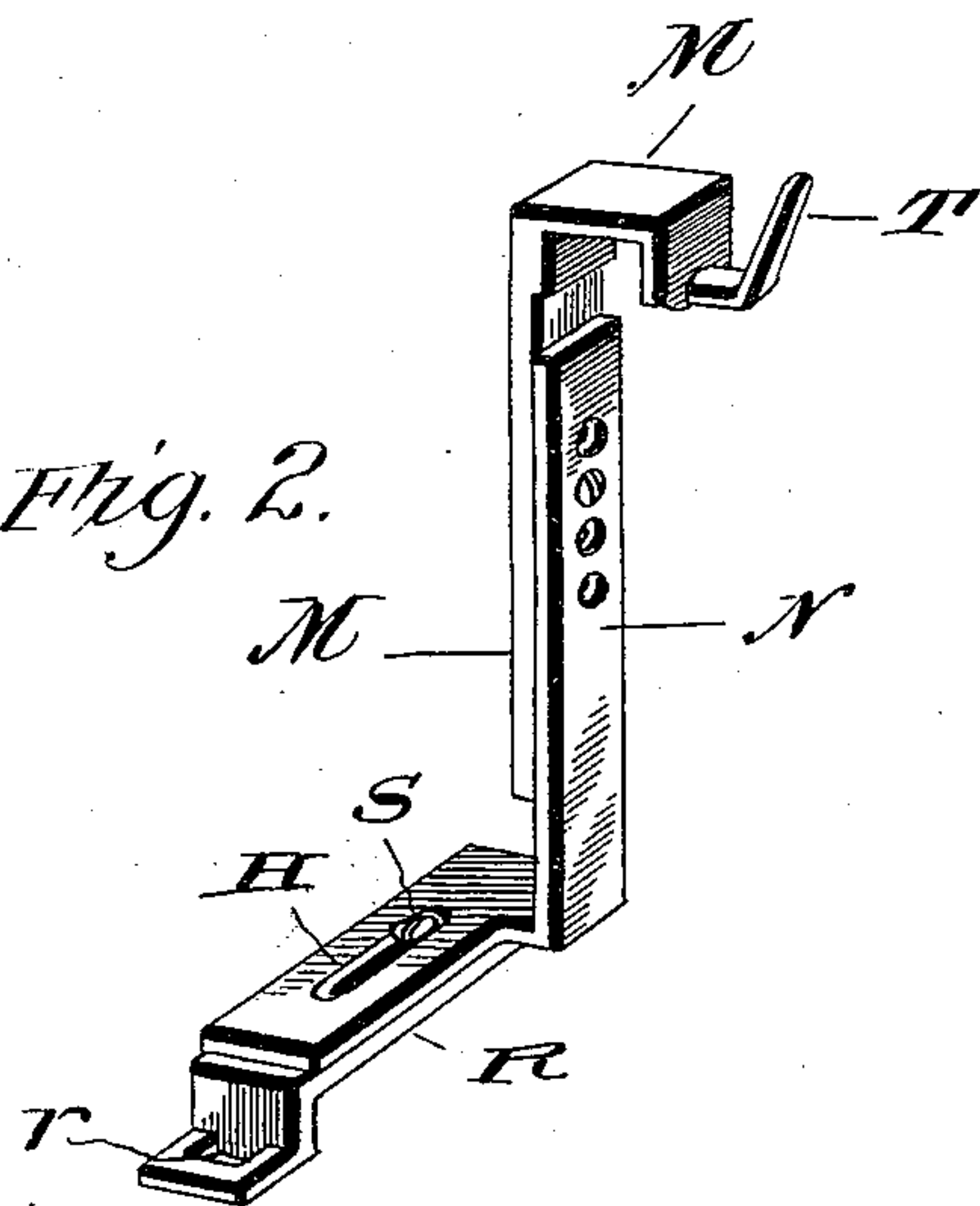


Fig. 2.



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UNITED STATES PATENT OFFICE.

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END-GATE FOR WAGONS.

SPECIFICATION forming part of Letters Patent No. 560,983, dated May 26, 1896.

Application filed March 11, 1896. Serial No. 582,767. (No model.)

To all whom it may concern:

Be it known that I, HARRY CLIFORD FACKLER, a citizen of the United States, residing at Astoria, in the county of Fulton and State of Illinois, have invented certain new and useful Improvements in Folding 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 the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in shoveling-boards or end-gates for wagons, and especially to a hinged tail-board which is adjustably held to the box and capable of easy adjustment to boxes of various sizes with high or low, narrow or wide sides, it being the aim of my invention to produce hinge-engaging strips which may be removably held to the box between cleats and without the necessity of bolting the strips to the wagon-box.

A further purpose of my invention resides in the provision of angle-bars, which are designed to engage over the sides of the box, and are vertically adjustable, while the lower portions of the bars are extensible in a horizontal plane and carry apertured extensions adapted to carry the hinges secured to the shoveling-board.

To these ends and to such others as the invention may pertain, the same consists, further, in the novel construction, combination, and adaptation of the parts, as will be hereinafter more fully described, and then specifically defined in the appended claim.

I clearly illustrate my invention in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings similar letters of reference indicate like parts throughout both views, in which—

Figure 1 is a perspective view of a shoveling-board secured to a wagon-box. Fig. 2 is an enlarged detail view of one of the metallic extensible bars, which carries a horizontally-disposed portion designed to engage with a hinge portion of the folding end piece.

Reference now being had to the details of the drawings by letter, A designates the box of a wagon, and B a scoop-shaped end piece or shoveling-board, which is provided with

the hooks C, having their hook ends downwardly turned and secured near the edges of the vertical sides of the folding end. Recesses D are cut in the bottom board of the end-gate, and the plates E, provided with the hooks *d* at their ends, are secured to the said board, so that the said hooks *d* will rest in the recesses D with their ends downwardly turned. Held in the eyes G, fastened to the side walls of the end-gate, are the rods H, which have their other ends formed into hooks H'. Near the rear end of the wagon-box, on the inner sides thereof, are secured the cleats K.

M is an inverted-L-shaped angle-bar, which is to be hooked over the edge of the box, with the elongated portion of the said bar resting between the cleats, there being a similar-shaped angle-bar on each side of the box. The elongated portion of the said bar is provided with apertures *m*, and N is an L-shaped bar with the short angled end bent laterally and having an elongated aperture H.

R is a plate having one end bent at right angles and apertured at *r*, and S is a lug which is screw-threaded and is designed to hold the said plate adjustably to the lower angled end of the bar N.

When the end-gate is to be adjusted to the wagon, the free ends of the hooks *d* are hooked into the apertures *r* of the plates R, and the rods H rest in the hooks T, integral with the outwardly-turned upper ends of the bars M, the hooks forming a guide for the rods as the end-gate is opened and closed and the hooks at the ends of the said rods engaging with the hooks T, so as to allow the gate to be lowered a given extent.

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

In an end-gate for wagons, the combination with the upright adjustable bars N and M, fitted to the wagon-box, of the adjustable plate R slidingly held to the lower angled portion of the bar N, and having an aperture *r* in its bent end, and the hooks *d* in recesses in the board B, adapted to engage in the said apertures *r*, all substantially as shown and described.

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

HARRY CLIFORD FACKLER.

Witnesses:

CHARLES H. BOWLER,
I. F. FACKLER.