

N. B. LITTLE.
WAGON END-GATE.

No. 176,325

Patented April 18, 1876.

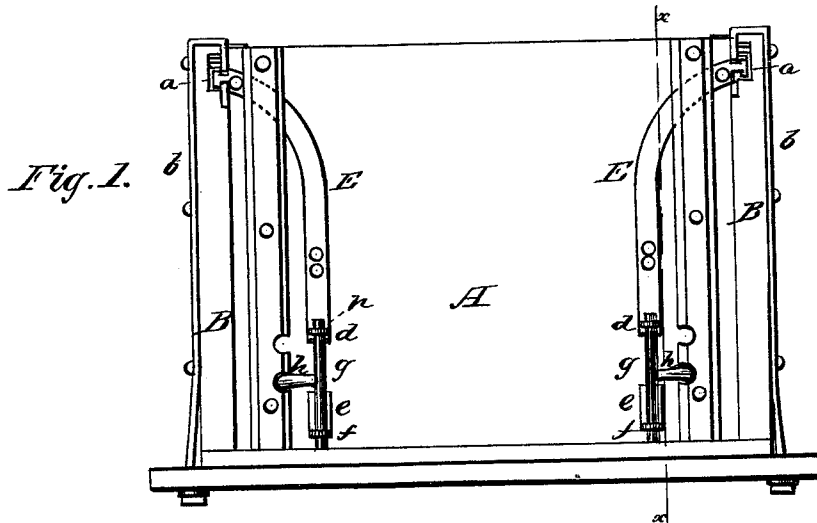


Fig. 1.

Fig. 2.

Fig. 3.

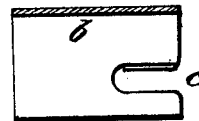
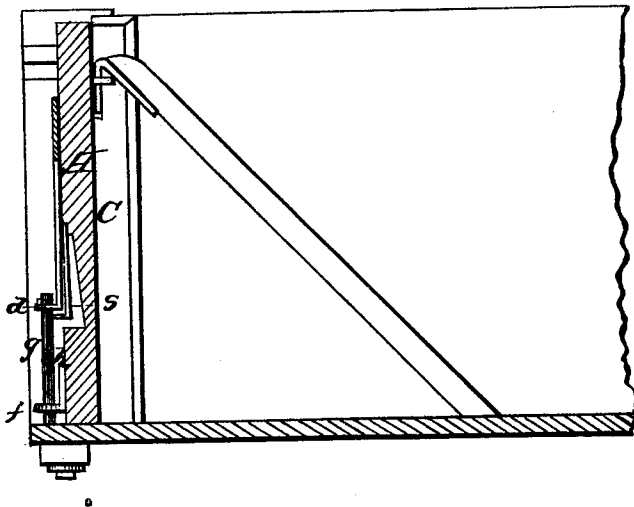
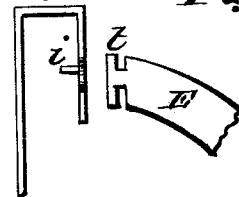


Fig. 4.

Fig. 5.



Witnesses:
Chas. Bond-
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UNITED STATES PATENT OFFICE.

NELSON B. LITTLE, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN WAGON END-GATES.

Specification forming part of Letters Patent No. **176,325**, dated April 18, 1876; application filed February 7, 1876.

To all whom it may concern :

Be it known that I, NELSON B. LITTLE, of the city of Chicago, Cook county, State of Illinois, have invented a new and useful Improvement in Wagon-Boxes, of which the following is a full description, reference being had to the accompanying drawings, in which—

Figure 1 is an elevation, showing the end of the wagon-box with the tail-board; Fig. 2, a section on line *x* of Fig. 1; Figs. 3 and 4, details of the strap on the side-boards; Fig. 4, a detail. Figs. 3, 4, and 5 are enlarged.

My invention relates to wagon-boxes, and consists in combining, with the tail-board, flattened irons, and side-boards with recesses and irons having slots, and with stops, as will be hereinafter more fully described, and pointed out by the claim.

In the drawings, A represents the tail-board of a wagon; B, the side-boards; C, cleat on the inside of each side-board, against which the ends of the tail-board come when down; *a*, a recess in each side-board; *b*, straps of iron on the side boards. Their lower ends pass through the cross-piece D and receive a nut. Their upper ends are carried over the tops of B and pass a little way down upon the inside in plate form, covering the recess *a*, except that there is an open slot, *c*, in *b* over the center of *a*. A portion of the metal which occupied the place of the slot is turned back (see *i*, Figs. 3 and 4,) and forms a stop, which might be a bolt. E are curved irons secured to the tail-board. Their upper ends, *r*, are shaped as shown in Figs. 1 and 5, and are adapted to pass into the slot and recess when the board is horizontal, to act as a hinge and hold the upper part in place when in other positions, and permit the removal of the board when desired. The lower end of each is provided with an eye, *d*. *e* is another iron secured to A, and is provided with an eye, *f*. *g g* are bolts, flattened at their upper ends on one side.

h is a handle, and *n* a pin acting as a stop. The bolts pass through the eyes *d f*. *s* is a spring secured at its upper end to the under side of the lower end of E. This spring is bent at its lower end so as to come in contact with the bolt. F is a board to facilitate the removal of corn in the ear, and other coarse material, with a shovel, which it is difficult to do when the wagon-box is full. Its upper end is provided with hooks to engage with eyes or staples upon the tail-board, and it is placed at an angle, the lower end resting upon the bottom of the wagon. A shovel can be easily inserted under the coarse material which may be in contact with the board F.

The ends of the irons E can be inserted in the slots *c* and recesses *a* when the board A is in a horizontal position. When standing at an angle the board cannot be withdrawn, and its upper edge will be held in place and the board can be swung out, being practically hinged at the top.

When the tail-board is closed it can be held in place by means of the bolts *g* at the lower edge. At the same time the part *t* of the upper end of E will be behind *i*, and thus the upper edge of A will be securely held in place. When the tail-board is down and secured by the bolts, the springs *s* will come in contact with the flattened portions of the bolts, and prevent them from turning accidentally.

What I claim as new, and desire to secure by Letters Patent, is as follows:

The irons E, formed at their upper ends as shown and described, in combination with the tail-board A and side-boards B, provided with recesses *a*, irons *b*, having slots *c* and stops *i*, substantially as and for the purpose specified.

NELSON B. LITTLE.

Witnesses:

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