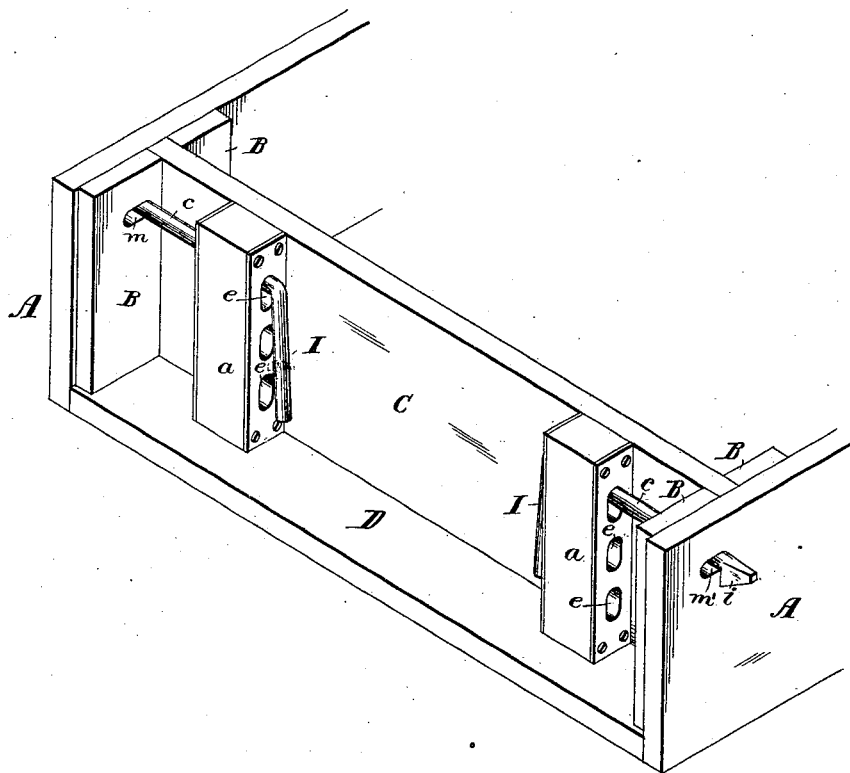


(No Model.)

F. BALL.
WAGON END GATE.

No. 266,076.

Patented Oct. 17, 1882.



Attest:
Courtney A. Cooper
My Comm. Expires

Inventor:
Franklin D. Ball
By Charles E. Foster atty

UNITED STATES PATENT OFFICE.

FRANKLIN BALL, OF PALMYRA, NEBRASKA.

WAGON END-GATE.

SPECIFICATION forming part of Letters Patent No. 266,076, dated October 17, 1882.

Application filed August 14, 1882. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN BALL, a citizen of the United States, and a resident of Palmyra, in the county of Otoe and State of Nebraska, have invented certain new and useful Improvements in End-Gates for Wagons, of which the following is a specification.

My invention is an end-gate for wagons, constructed as fully described hereinafter, and provided with detachable bolts, so that the gate may be set and secured in any desired position.

In the drawing the figure represents in perspective the rear end of a wagon body and gate, showing my improvement.

15 A A are the sides of a wagon. B B are cleats, between which slides the gate C. D is the bottom, and *a* are ribs upon the outer side of the gate. In each rib is a series of slots, *e*, adapted for the passage of a head, *i*, and shank *c* of a bolt, I, the end of which is bent down to form an angle parallel to the flat head. In each side of the body are horizontal slots *m m'*, adapted to receive the head and shank of the bolt.

25 When the gate rests against the bottom of the wagon the bolts are passed through the upper slots, *e*, in the ribs *a* and through the slots *m m'*, the handles being turned to a horizontal position as the heads *i* are passed through the slots *m m'*, and then falling to vertical positions as soon as the heads *i* are beyond the

slot, thereby preventing the longitudinal withdrawing of the bolts and holding the parts in place.

When it is desired to secure the end-gate in an elevated position to facilitate the discharge 35 of grain, &c., the end-board is raised and the bolts are passed through one or other of the lower slots, *e*, and then through the slots *m* or *m'*, thereby holding the gate in its elevated position, and at the same time preventing the 40 sides of the wagon from spreading.

While the gate is securely locked in any position to which it is set, it can at any time be as readily removed as those made in the ordinary manner.

I claim—

The combination, in a wagon, of sides A A, having cleats B B and slots *m m'*, and a sliding end-gate, C, having ribs *a*, each with a series of slots, *e*, and bolts I, having flat heads 50 *i*, and bent to form handles parallel to said heads, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANKLIN BALL.

Witnesses:

NATHAN BALL,
A. R. REIGHTMYER.