

No. 679,165.

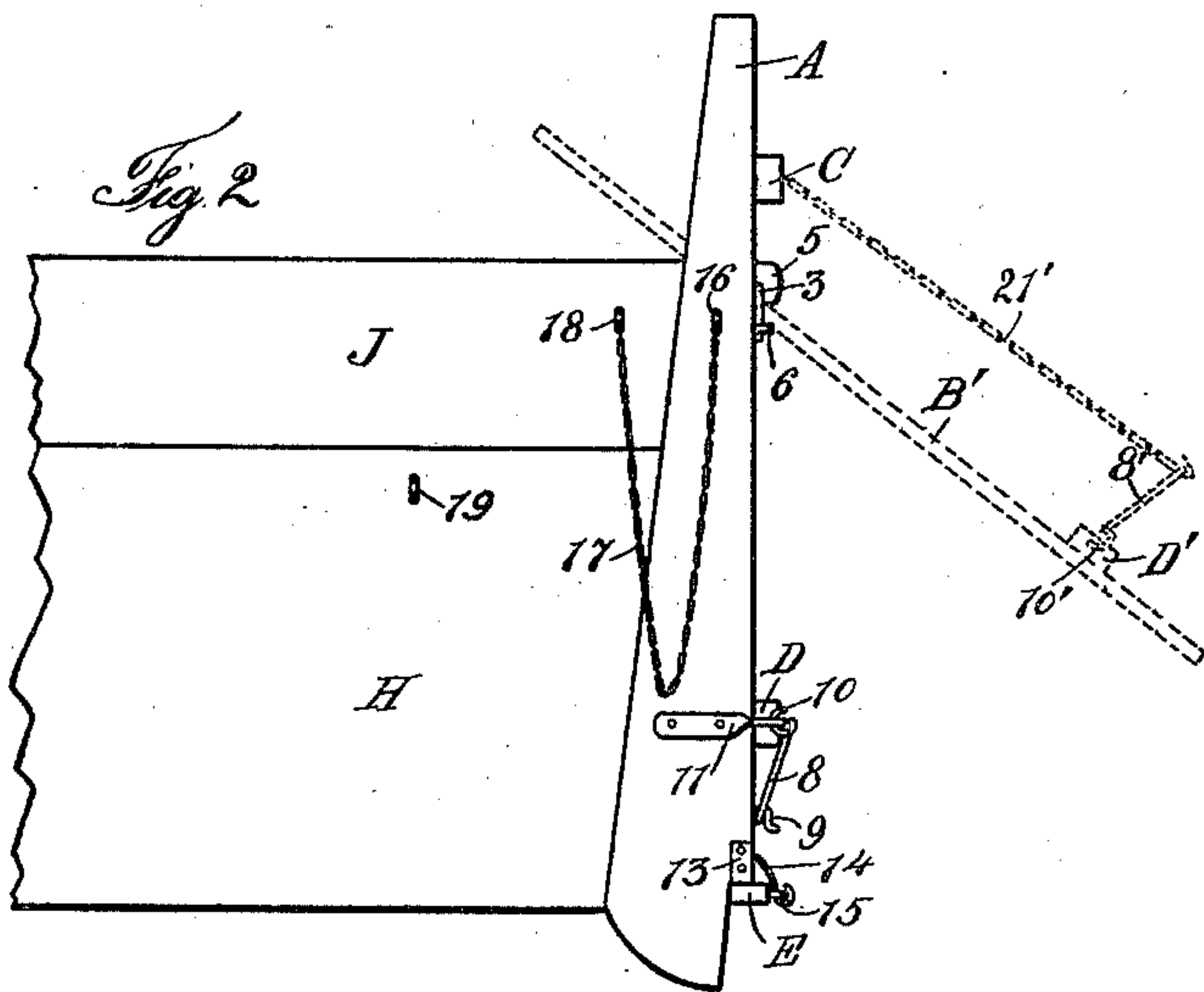
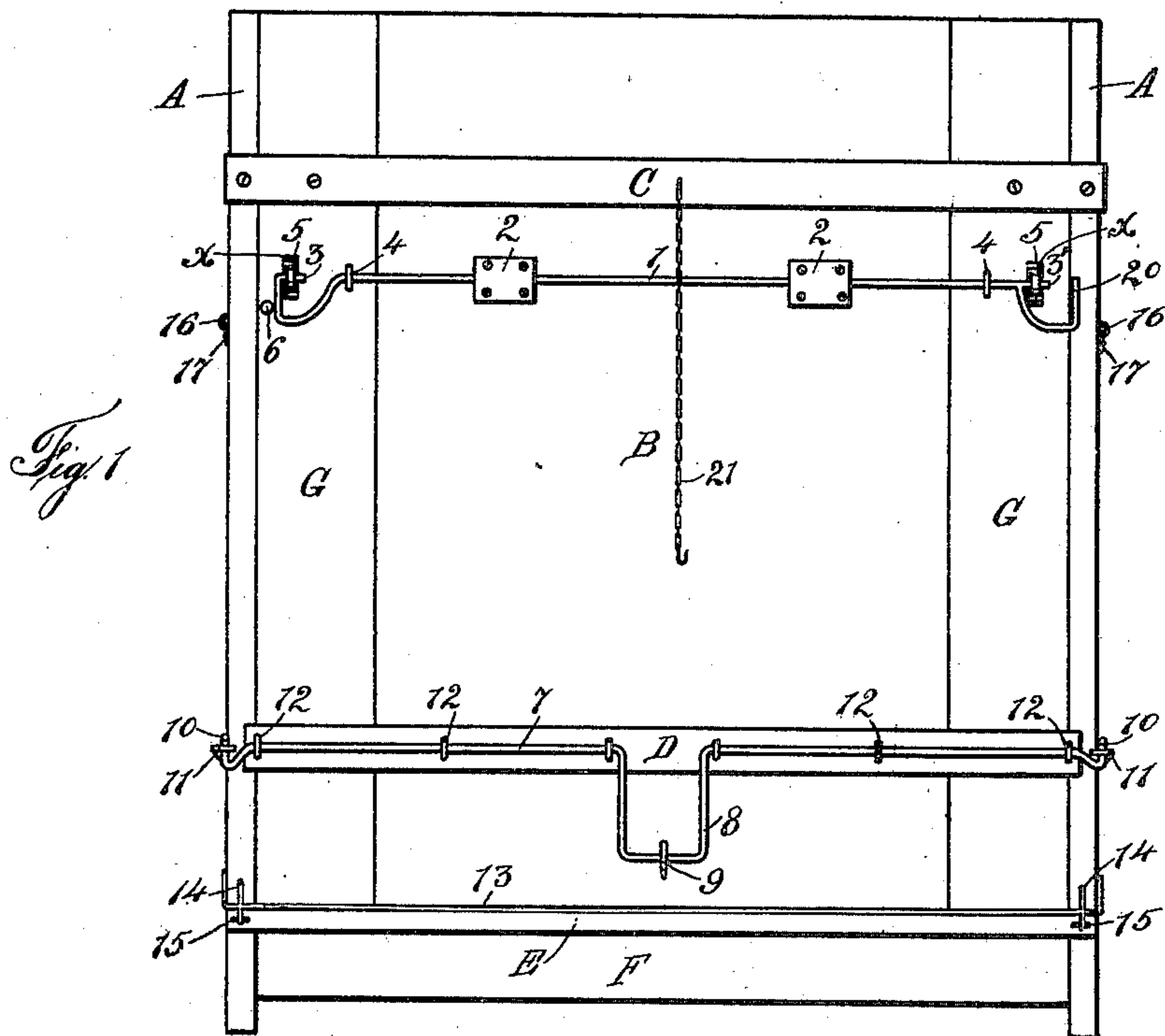
Patented July 23, 1901.

G. BRITTELL.

COMBINED END GATE AND SCOOP BOARD.

(Application filed Dec. 10, 1900.)

(No Model.)



WITNESSES:

C. F. Patterson
Ray J. Davenport

INVENTOR

George Brittell
Geo. W. Lues

PER

ATTORNEY.

UNITED STATES PATENT OFFICE.

GEORGE BRITTELL, OF ALBION, NEBRASKA.

COMBINED END-GATE AND SCOOP-BOARD.

SPECIFICATION forming part of Letters Patent No. 679,165, dated July 23, 1901.

Application filed December 10, 1900. Serial No. 39,339. (No model.)

To all whom it may concern:

Be it known that I, GEORGE BRITTELL, residing at Albion, in the county of Boone and State of Nebraska, have invented certain useful Improvements in Combination End-Gates and Scoop-Boards; and I do hereby declare that the following is a full, clear, and exact description thereof, 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, which form a part of this specification.

This invention relates to a new and novel improvement in combination end-gates and scoop-boards.

The aim of my invention is to provide a grain-tight end-gate, in combination with a scoop-board so arranged that the end-gate may be operated to discharge the grain, an auxiliary gate being provided for that purpose, this auxiliary gate being arranged to be locked so as to form a tight scoop-board when the rear end attachment is to be used for that purpose, and my invention embodies certain other features that will be described more fully hereinafter.

In the accompanying drawings I have shown in Figure 1 a rear view of an end-gate embodying my invention, while Fig. 2 shows a side view, with portions broken away, disclosing the auxiliary gate in dotted lines in an open position.

To the sides H of an ordinary wagon-box, provided with the usual top box J, is secured my scoop-board and end-gate. To the upper portion J of the wagon-box or the top box are secured two ordinary eyelets 18 18, one only being shown in the drawings, to which is detachably secured an ordinary chain 17 of a suitable length. To the rear sill E, secured to the rear end and the bottom of the wagon-box, are two eyelets 15 15. This rear sill forms a support for my scoop-board and grain-door, which is composed, first, of the two side pieces A A of the usual construction. These side pieces A A are next provided with the sectional back pieces G G, and these sides and backs are then united and connected above by means of the transverse bar C and below by means of a strap-iron strip 13, the ends of which are recurved and united to the side pieces A A. Secured between the sec-

tional back pieces G G is the grain-door B, which loosely swings between these back pieces, it being provided with an iron rod 1, secured by means of the holders 2 2, secured to the grain-door B. This iron rod 1, it will be noticed, has one end curved downward to form the hook 3, while the remaining end 3' extends out straight, but is provided with the ear or guard 20, as is clearly shown in Fig. 1. This bar in order to support the grain-door B is secured to the back sections G by means of the staples 4 4, so that this rod may freely revolve between the staples 4. It will be noticed that the guard 20 and the end 3 hang downward. Secured to the sides J J are the holders 5, each provided with an opening, these being adapted to receive the ends 3 and 3' of the rod 1, so as to securely lock the scoop-board to the wagon. Below, each side piece or panel A is provided with an ear 11, into which ear locks a hook 10, there being two such ears 11 and two such counterpart hooks 10, these hooks forming the terminations of the locking-bar 7, which is provided with a depending handhold or lever portion 8, locked by means of a keeper 9. When the grain-door is to be locked, these hooks 10 are swung into the ears 11, and the locking-bar 7 is then locked by means of the keeper 9, so that the grain-door below is securely held to the scoop-board by means of this bar 7, which for the sake of security is secured to a sill D, as is shown in Fig. 1. From this it will be seen that the grain-door is kept from bulging outward by means of the upper bar C and the hooks 10 10. By means of two eyelets 16, secured to the chain 17, the scoop-board may be lowered. This would be accomplished in lifting the locking-rod 1 upward so as to escape the pin 6, which is placed adjacent to the end 3, so that when the end 3, normally held in a pendent position, is carried over the pin the ends of the locking-bar 1 may be carried out of the holders 5 5 to permit the opening or removal of the scoop-board.

When the box is loaded with grain or similar materials and it is desired to dump the same, it is simply necessary to remove the keeper 9 and release the hooks 10, when the grain-door B will fly outward, being pivotally supported upon the bar 1 and above working against the transverse bar C.

The end-gate may be removed in releasing the hooks 14 from the eyelets 15.

5 The lower transverse strap-iron bar 13 insures a grain-tight fit and further strengthens the scoop-board.

10 In Fig. 2 I have shown the auxiliary gate in its open position, the grain-door B being identified in its open position by the letter B', the depending lever being marked 8', the sill D being marked D', the hooks 10 being marked 10', and the chain 21 being marked 21' in dotted outline.

15 For convenience sake a second set of eyelets 19 may be provided, to which the chain 17 may be secured.

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

In an end-gate of the character described,

the combination with two side panels, of a 20 back section secured to each side panel, of an upper transverse bar securing said back sections and side panels, a lower strap-iron section forming a support and uniting said side panels and back sections below, a shift- 25 ing locking-bar pivotally and slidably secured to said back sections adapted to engage suitable holders, of ears secured to said side panels, a grain-door secured to said sliding locking-bar adapted to swing between 30 said back sections, and a rocking locking-bar provided with hook terminations adapted to engage said ears.

GEORGE BRITTELL.

In presence of—

J. A. PRICE,

M. W. MCGAN.