

No. 706,434.

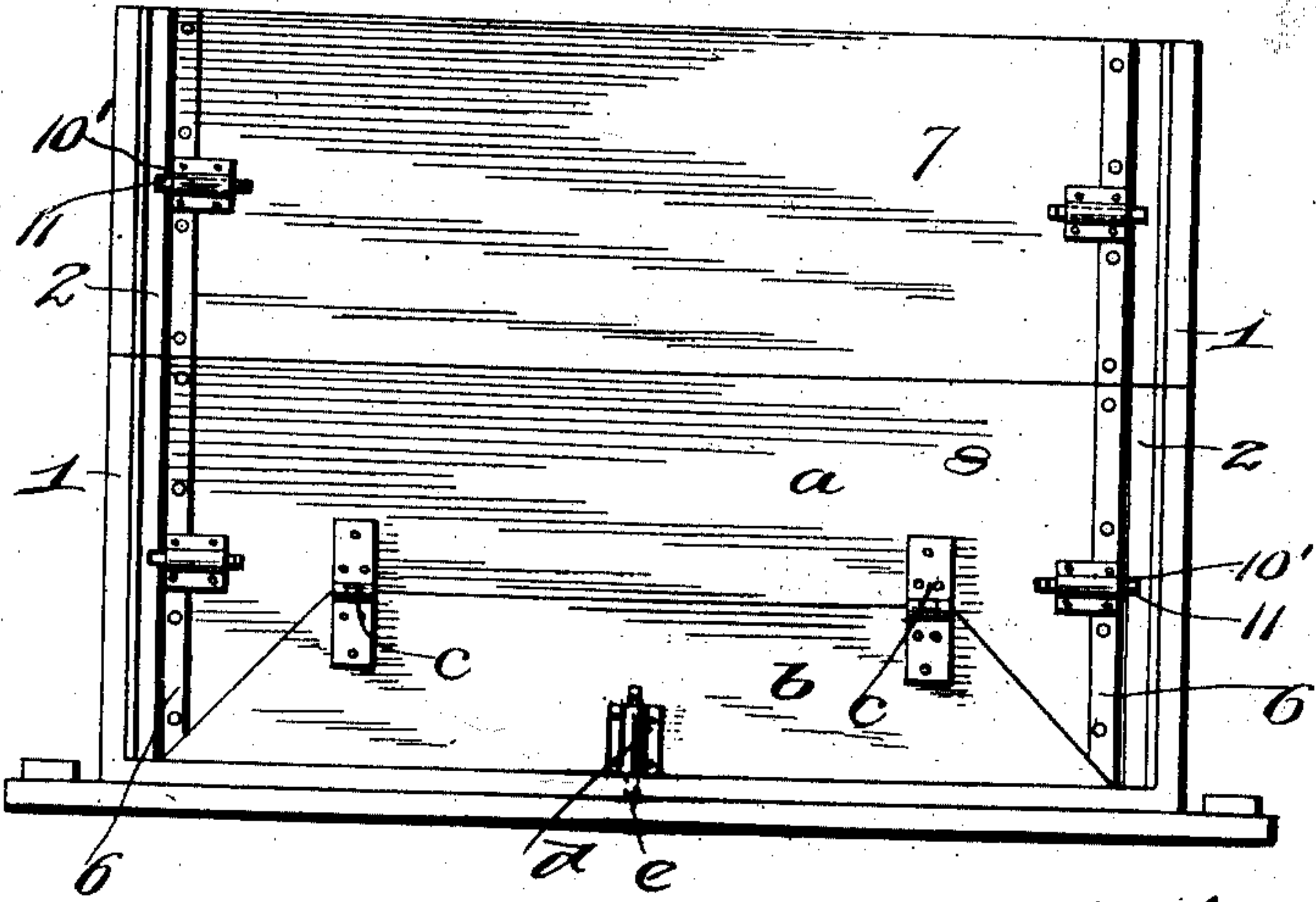
Patented Aug. 5, 1902.

C. S. MORSE.  
END BOARD FOR FARM WAGONS.

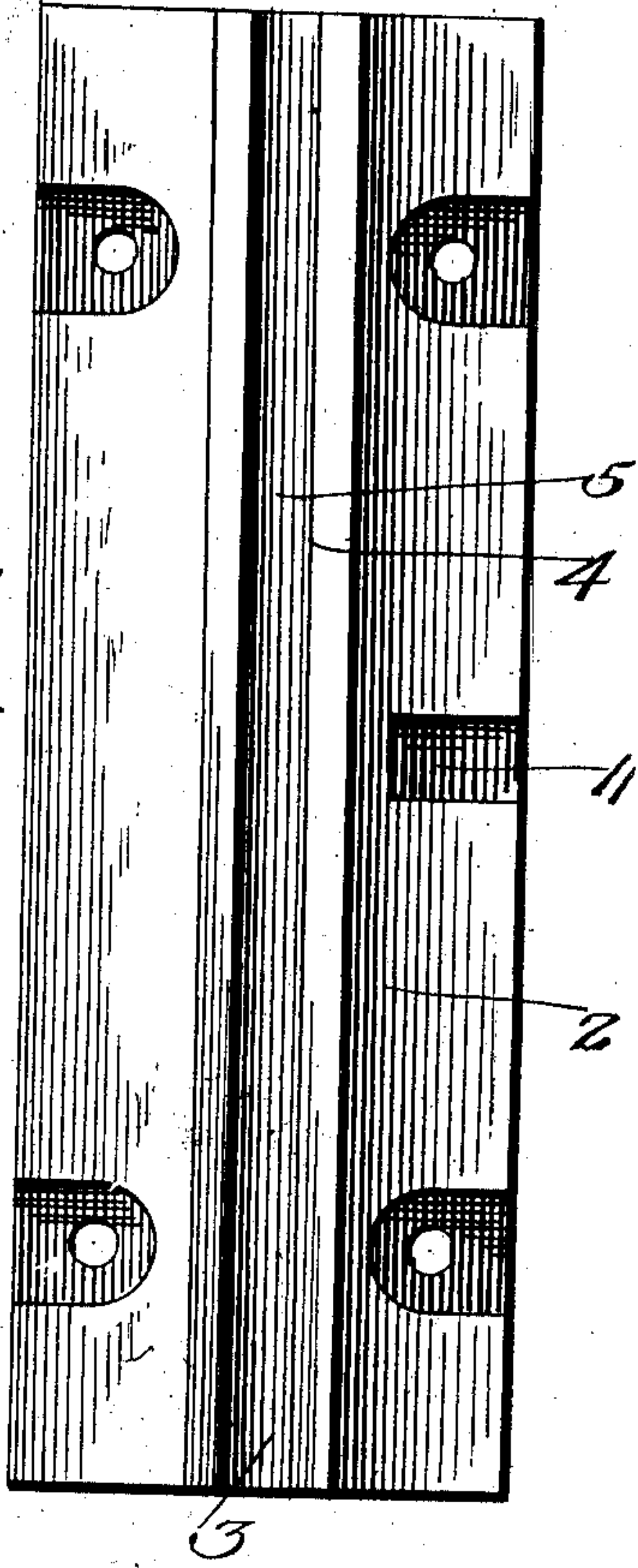
(Application filed June 5, 1902.)

(No Model.)

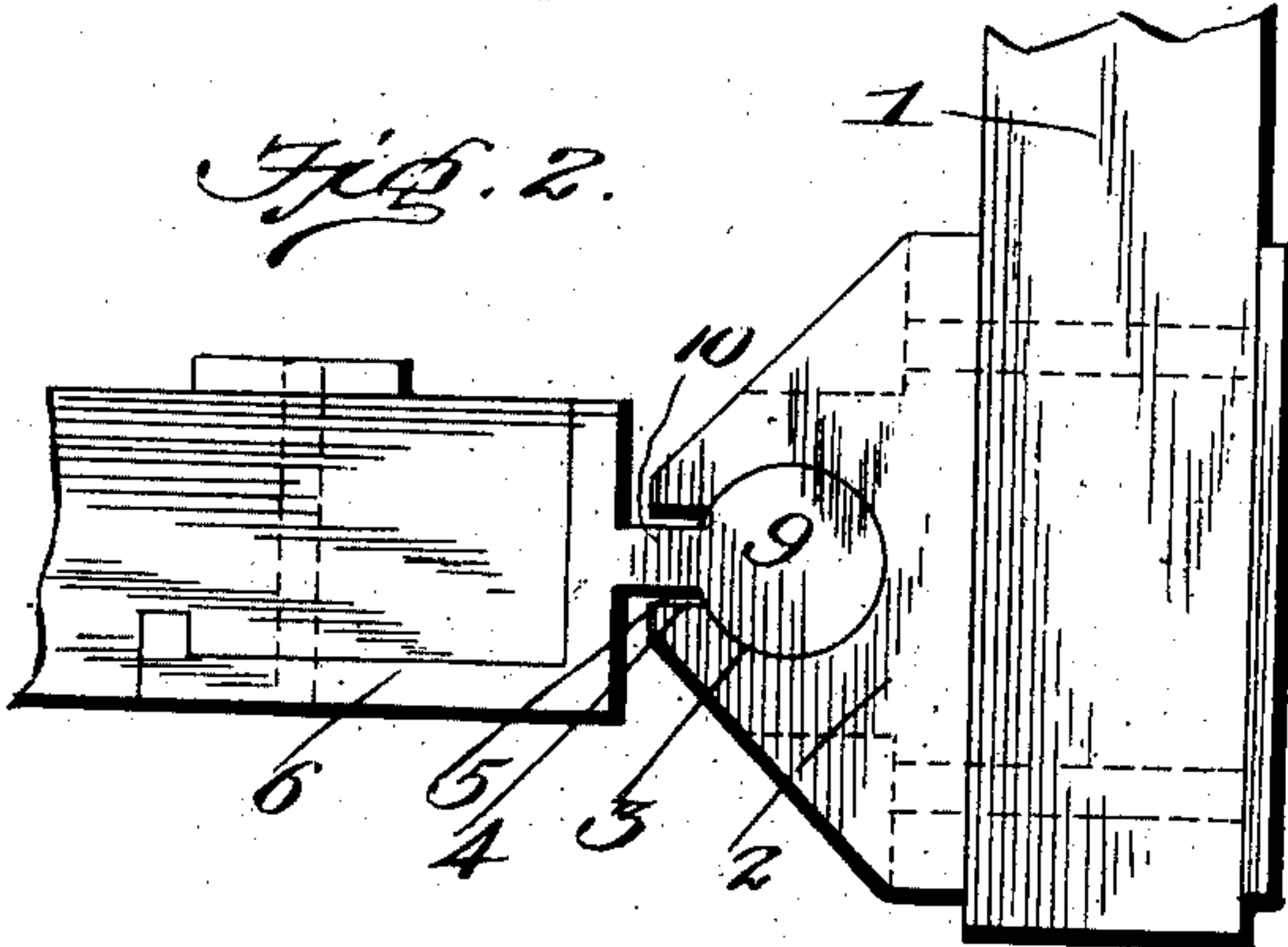
*Fig. 1.*



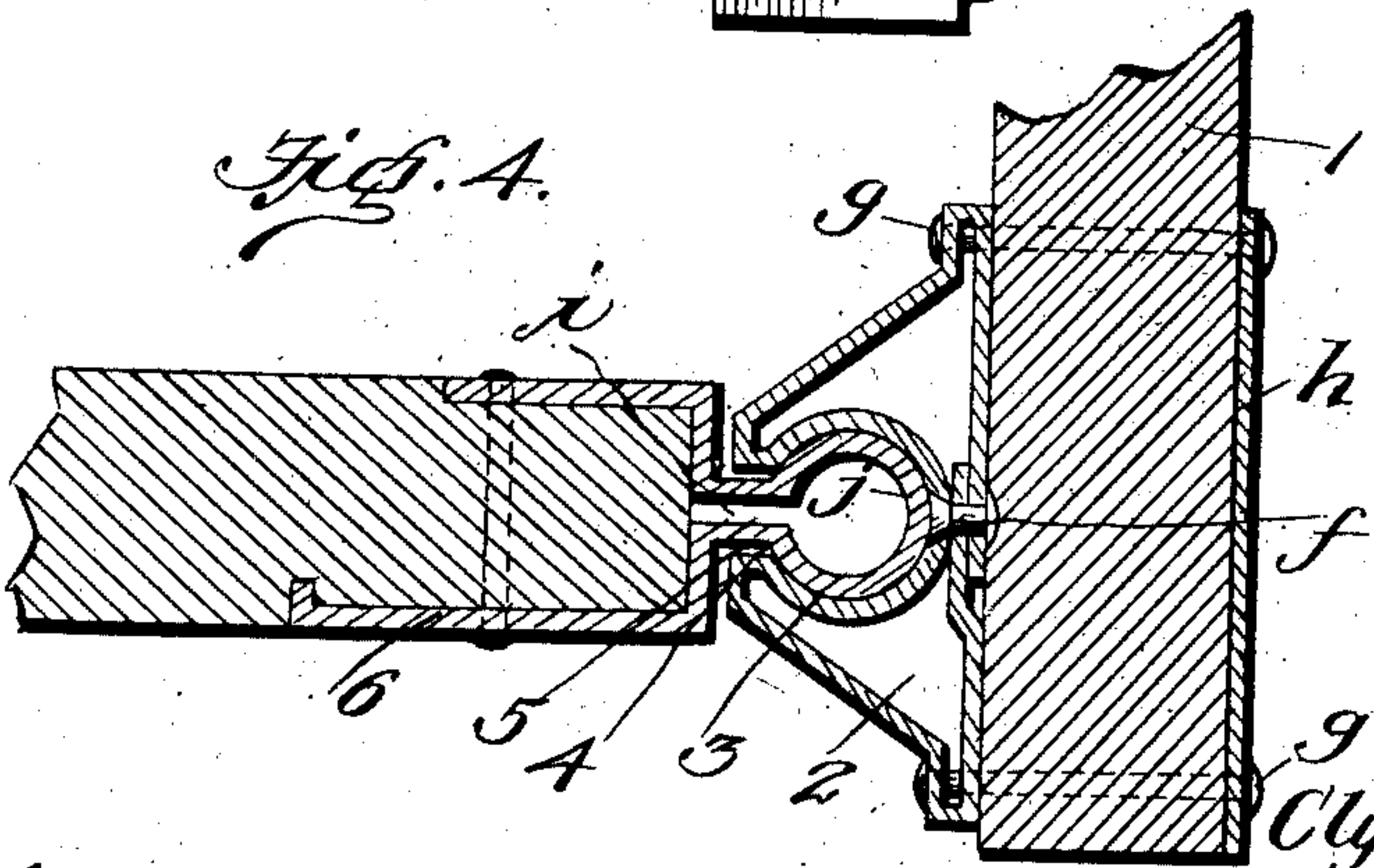
*Fig. 3.*



*Fig. 2.*



*Fig. 4.*



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Witnesses

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# UNITED STATES PATENT OFFICE.

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## END-BOARD FOR FARM-WAGONS.

SPECIFICATION forming part of Letters Patent No. 706,484, dated August 5, 1902.

Application filed June 5, 1902. Serial No. 110,367. (No model.)

*To all whom it may concern:*

Be it known that I, CLYDE S. MORSE, a citizen of the United States, residing at Shabbona, in the county of Dekalb and State of Illinois, have invented certain new and useful Improvements in End-Boards for Farm-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.

This invention relates to end-boards for farm-wagons; and the object of the invention is to provide a device of this character which shall be simple of construction, durable in use, comparatively inexpensive of production, and by means of which under certain conditions the contents of the wagon may be removed without removing the end-board.

With this and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is an end view of a wagon, illustrating the application of the invention. Fig. 2 is a top plan view of a fragment of the end-board and the side-board of the box. Fig. 3 is a side elevation of the cleat; and Fig. 4 is a transverse sectional view through a fragment of the end-board and side-board of the wagon-box, illustrating a modified form of the invention.

Referring to the drawings, 1 denotes the side-boards of a wagon-box provided on its inner surface at its rear ends with cleats 2, which are bolted in place and are provided with vertically-disposed slots 3, the entrances 4 of which are contracted, as shown at 5.

6 denotes angle-plates, which are bolted one at each end of sections 7 and 8 of the end-board and provided with heads 9, formed with shanks 10, which are adapted to engage the slots 3, thus holding the sections of the end-board in place and at the same time preventing the spreading of the side-boards of the wagon-box. Each section of the end-board is provided at each end with spring-actuated bolt or fastener 10', which is adapted to engage a recess or keeper 11, formed in the cleat, and thus prevent the upward movement or displacement of the sections of the board.

The lower section of the tail-board is made in two pieces *a* and *b*, connected together by hinges *c*. This enables me to swing open the section *b* and allow the contents of the wagon-box to be discharged at this point. A spring fastener or lock *d* is carried by the section *b* and is adapted to engage a keeper *e*, formed in the floor of the wagon-box.

As shown in Figs. 1, 2, and 3, the metal parts are cast, while as shown in Fig. 4 the same parts are made of malleable iron bent to form. In this instance the cleat is made of metal of sufficient thickness and bent to form a vertically-disposed slot having a contracted entrance, the ends of said plate being brought together and lapped, and a rivet *f* connects the inner wall of the slot and the two overlapping ends. The edges of the cleat have extending through them rivets *g*, which also pass through the side-boards of the wagon-box and through a washer-plate *h*. The angle-plate is bent to form a shank *i* and a head *j*. The shank and head correspond to the shank and head previously described and are adapted to coact with the slot in the cleat in substantially the same manner and for the same purpose previously described.

From the foregoing description, taken in connection with the accompanying drawings, the construction, mode of operation, and advantages of the invention will be readily understood without requiring an extended explanation.

Various changes in the form, proportion, and details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

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

The combination with the side-boards of a wagon, of an end-board consisting of two sections, cleats secured to the inner sides of the side-boards and provided with vertically-disposed slots and with a recess or keeper, said slots having contracted entrances, angle-plates secured to the ends of the sections of the end-board and provided with heads and shanks which correspond in shape and fit said vertical slots, one of said sections of the end-board being divided into two parts, which

parts are hinged together, locks connected to the sections of the end-board and adapted to engage the keepers of the cleats, and a lock connected to the hinged part of one of the end-  
5 board sections and adapted to engage a keeper in the bottom of the wagon-box, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CLYDE S. MORSE.

Witnesses:

STELLA MORSE,  
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