

No. 616,225.

Patented Dec. 20, 1898.

J. E. DE LAMAR.
WAGON BODY.

(Application filed May 20, 1898.)

(No Model.)

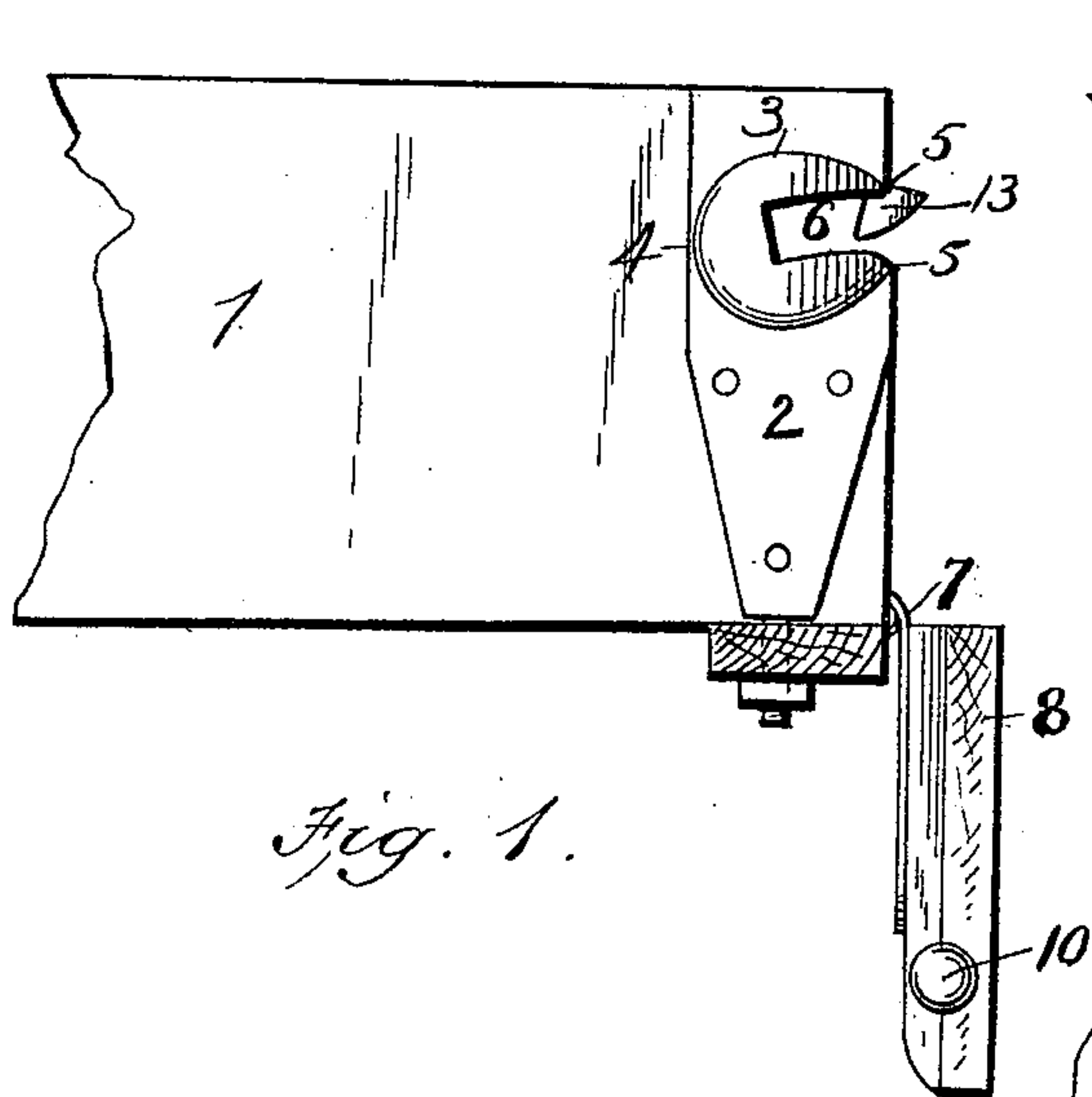


Fig. 1.

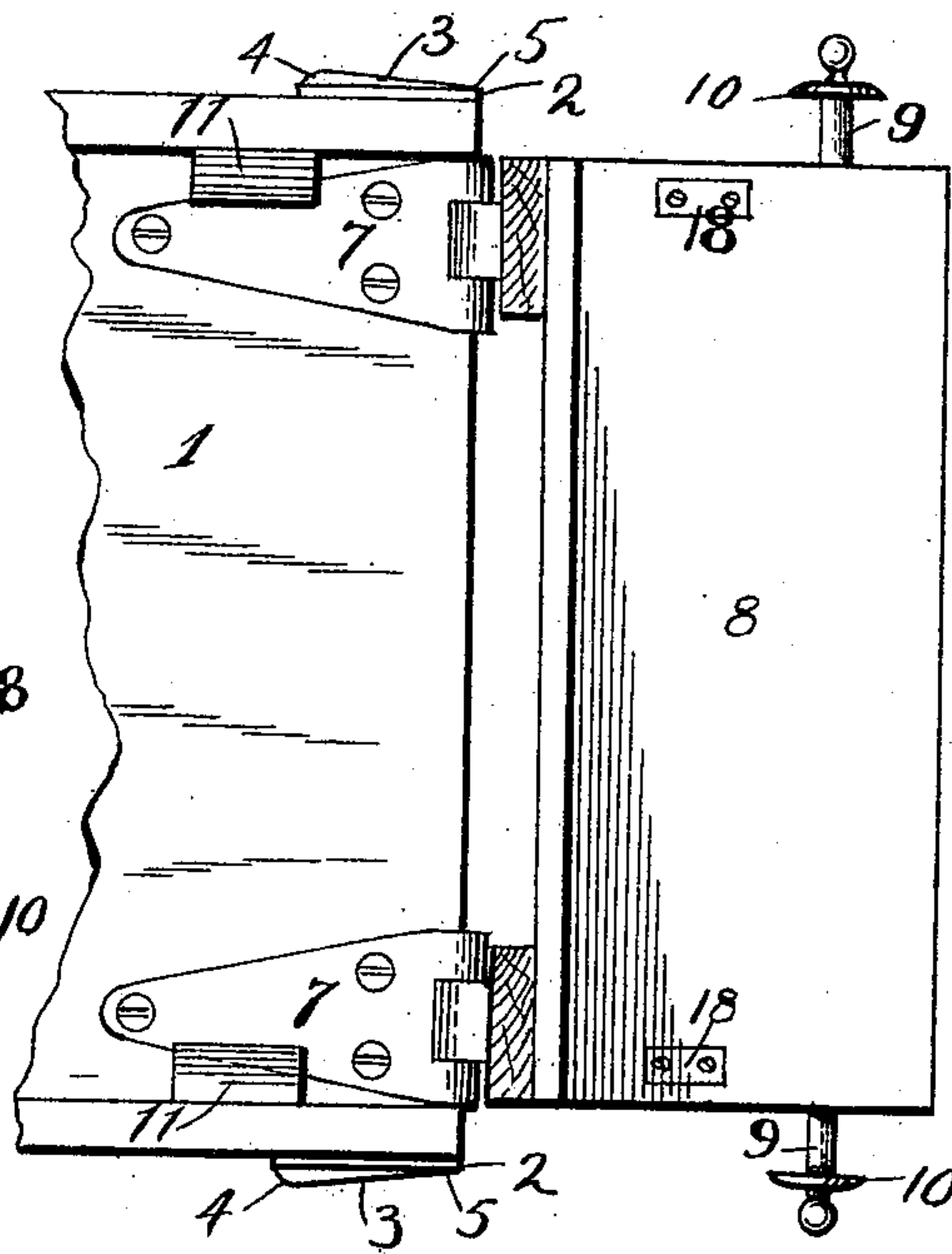


Fig. 2

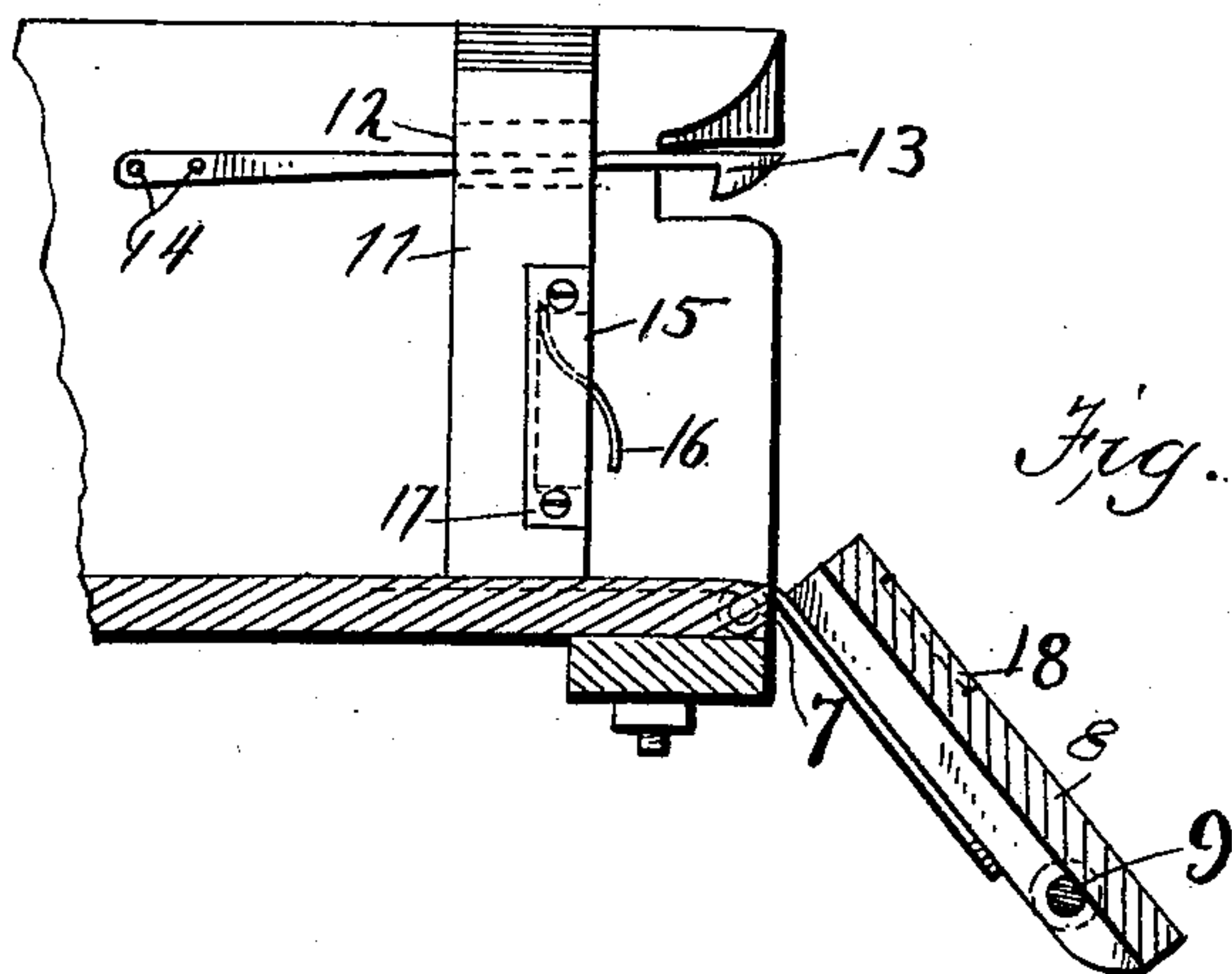


Fig. 3

Witnesses
 Frank L. Ourand.
 F. S. Leffie

James E. DeLamar ^{Inventor}
By John S. Duffie
His Attorney

UNITED STATES PATENT OFFICE.

JAMES E. DE LAMAR, OF DALARK, ARKANSAS.

WAGON-BODY.

SPECIFICATION forming part of Letters Patent No. 616,225, dated December 20, 1898.

Application filed May 20, 1898. Serial No. 681,221. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. DE LAMAR, a citizen of the United States, residing at Dalark, in the county of Dallas and State of Arkansas, have invented certain new and useful Improvements in Wagon-Bodies; and I do hereby 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.

My invention has relation to wagon-gates; and it consists of a hinged rear gate provided with a shouldered rod near its top edge, spring-catches to hold the rod and gate in place, springs to throw the gate open when released, slotted side stirrups each having an enlargement at its slot thicker at its front than at its rear side, so that the shoulders on the rod as the rod passes into the slot will press the side boards of the body firmly against the ends of the gate.

In the accompanying drawings, Figure 1 is a side elevation of the rear end of a wagon-body with my invention attached thereto, the gate thrown down. Fig. 2 is a top plan view of the rear end of the wagon-body with the gate thrown back. Fig. 3 is an inside view of one wall of the wagon-body with the gate in section, gate thrown down.

My invention is described as follows:

1 represents the rear end of the wagon-body; 2, the stirrups, having slots 6; 3, the enlargements, thicker at their front sides 4 than at their rear sides 5.

6 are the curved slots.

7 are the hinges by which the wagon-gate 8 is hinged to the rear end of the wagon-body.

9 is the rod, secured near the upper edge and on the outer face of the wagon-gate.

10 are the shoulders on the rod, which impinge against the outer face of the enlargements 3 and press the side walls of the wagon-body firmly against the edge of the gate as they (the shoulders 10) ride up the inclines from 5 to 4.

11 are braces which serve to brace the walls of the wagon-body and also as abutments for the gate, and each has a recess 12 near its up-

per end and on the side which fits against the wagon-body, thereby leaving a slot for the spring part of the spring-catches 13 to play up and down in. These catches are secured to the inner walls of the wagon-body by bolts 14, while the catches proper work up and down against the face of the wagon-body and in position to catch the rod 9 when it enters the slot 6. These braces 11 are also provided with recesses 15, in which are secured springs 16, free end down. The free ends are thus turned down that they may not catch manure or other matter that may be thrown from the wagon-body. These springs are for the purpose of throwing the wagon-gate slightly open, when the springs 13 are pressed upward. Over these recesses 15 and springs 16 are secured plates 17 to protect the springs. Plates 18 are countersunk in the face of the gate for the free ends of the springs 16 to work against.

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

The combination of the side walls 1; stirrups 2, having slots 6; enlargements 3, secured to or integral with said stirrups, having slots 6, and being thicker at their front sides 4, than at their rear sides 5; hinges 7, hinging gate 8, to the floor of the wagon-body; rod 9, secured to the wagon-gate 8, near its upper edge, and adapted to enter the slots 6, of the stirrups 2, and enlargements 3; shoulders 10, adapted to impinge against the outer faces of the enlargements 3, and press the walls of the wagon-body against the ends of the gate; braces 11, having recesses 12, and spring-catches 13, adapted to catch the rod 9; springs 16, adapted to throw the gate open; and plates 17, protecting said springs, substantially as shown and described.

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

JAMES E. DE LAMAR.

Witnesses:

JAMES L. BAUGH,

JAMES A. DE LAMAR.