

(No Model.)

M. J. LOVETT.  
END GATE.

No. 506,519.

Patented Oct. 10, 1893.

Fig. 1.

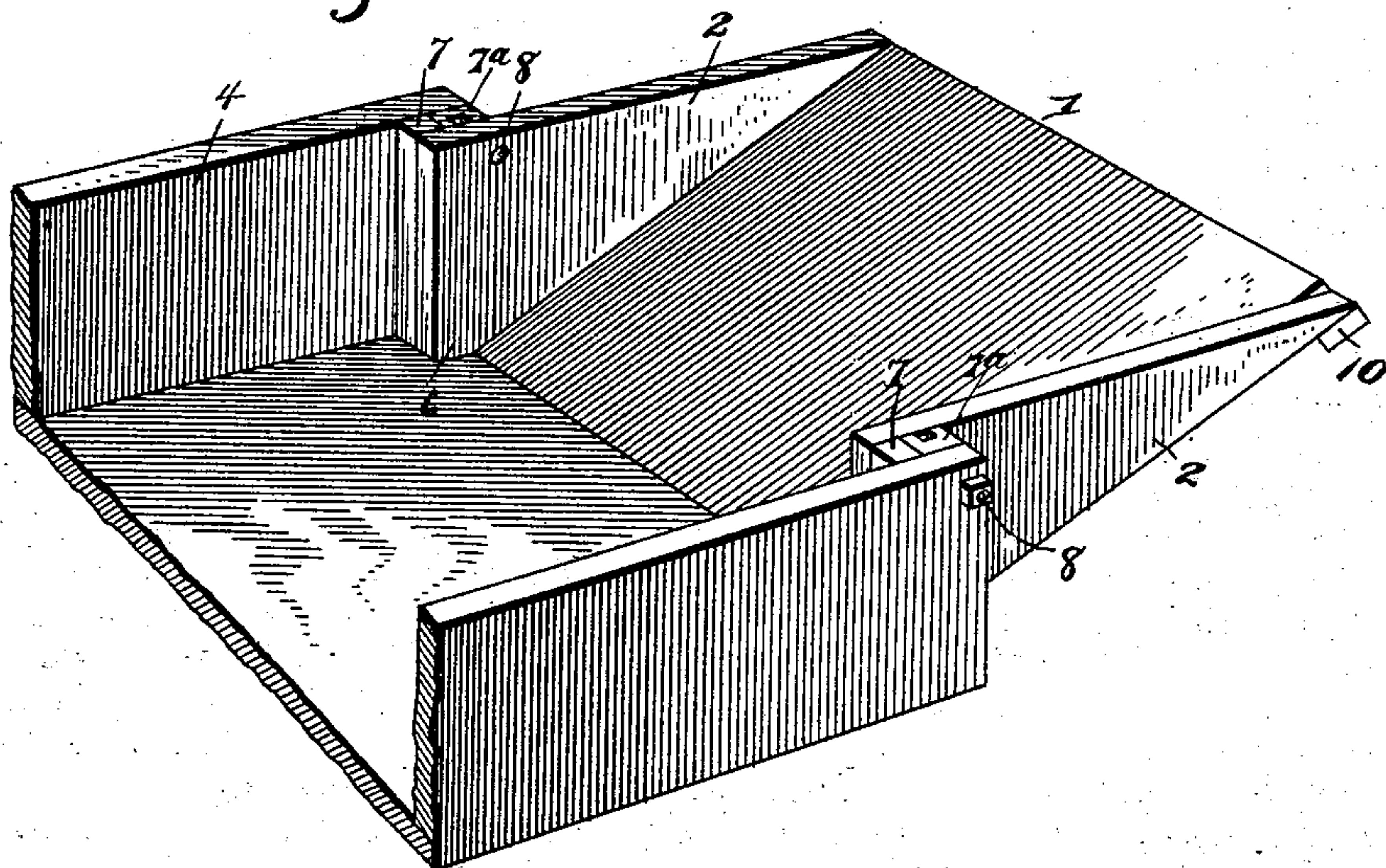


Fig. 2.

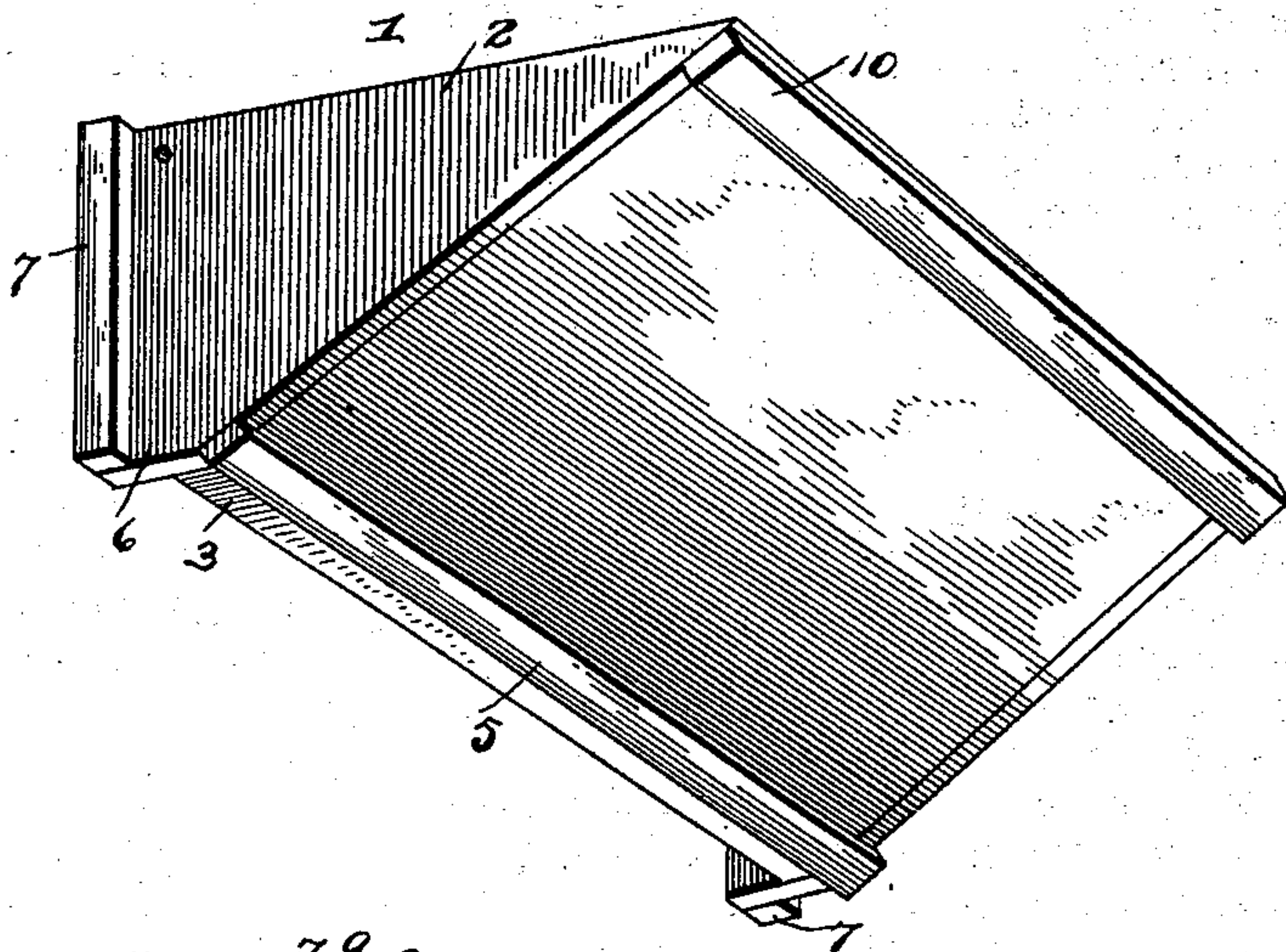
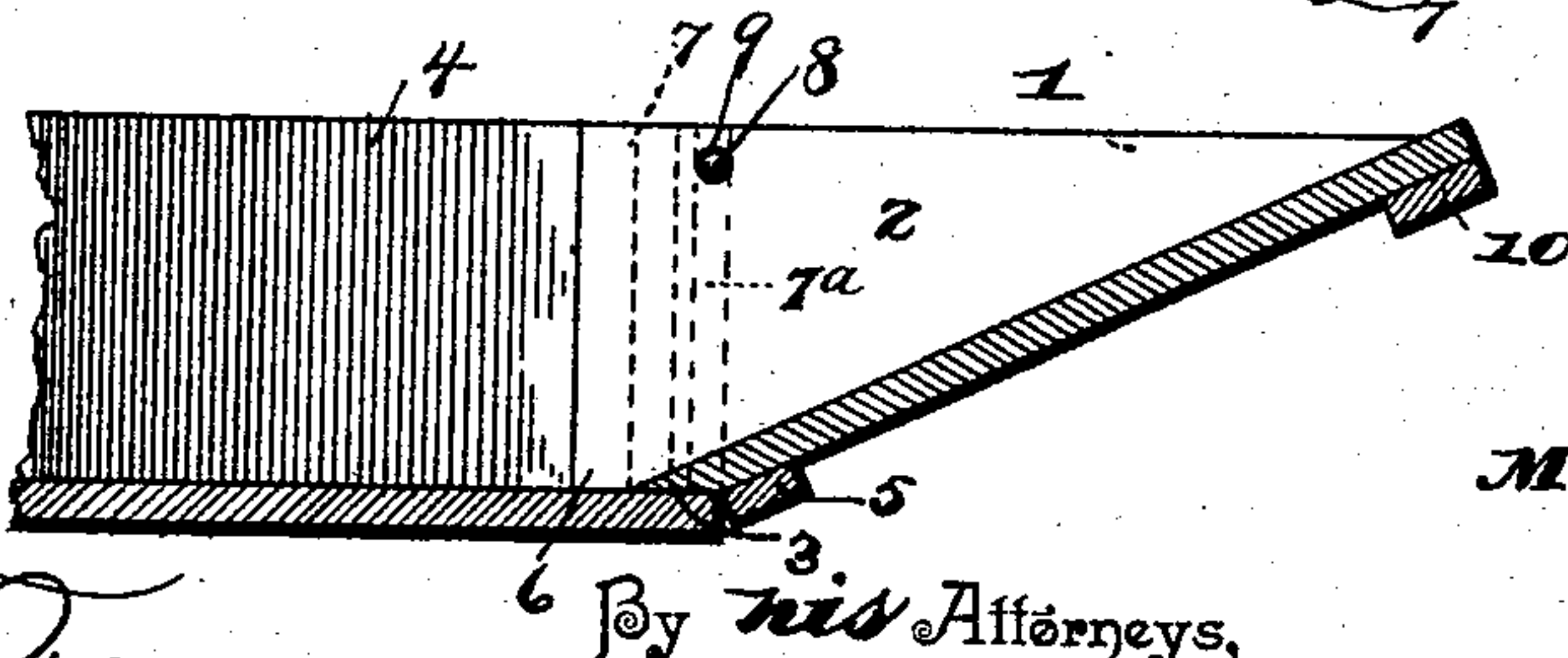


Fig. 3.



Witnesses

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By his Attorneys,

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Inventor  
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# UNITED STATES PATENT OFFICE.

MORRIS J. LOVETT, OF MIDLOTHIAN, TEXAS.

## END-GATE.

SPECIFICATION forming part of Letters Patent No. 506,519, dated October 10, 1893.

Application filed December 17, 1892. Serial No. 455,436. (No model.)

*To all whom it may concern:*

Be it known that I, MORRIS J. LOVETT, a citizen of the United States, residing at Midlothian, in the county of Ellis and State of Texas, have invented a new and useful End-Gate, of which the following is a specification.

The invention relates to improvements in end gates.

The object of the present invention is to provide an end gate for scooping adapted to be readily applied to the ordinary construction of wagon bodies which have end gates sliding in vertical cleats and which are usually provided with a removable rod for securing the end gate in the cleats.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claim hereto appended.

In the drawings—Figure 1 is a perspective view of a portion of a wagon body having an end gate construction in accordance with this invention. Fig. 2 is a perspective view of the end gate detached. Fig. 3 is a vertical sectional view showing the end gate connected to the wagon body.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates an inclined end gate provided with side wings 2, and having its lower edge 3 beveled and adapted to rest upon the bottom of a wagon body 4 and provided at its lower end across its lower face at the inner terminus of the beveled portion 3 with a transverse cleat 5 which rests against the rear end of the bottom of the body and prevents the end gate being forced inward. The side wings 2 are triangular and extend beyond the beveled lower end of the end gate, and having their projecting portion 6 provided on their outer faces with vertical cleats 7 which are adapted to engage and fit against the vertical cleats 7<sup>a</sup> of the body at the inner side of the same.

The end gate is detachably secured to the body by bolts 8 passing through perforations 9 of the wings and adapted to fit in the perforations 9 of the sides of the body. The per-

forations 9 of the body are adapted for the reception of the ordinary end gate securing rod (not shown) whereby when the ordinary end gate of a body is removed the end gate 1 may be readily applied.

The end gate 1 is provided at its top with a cleat 10 arranged on its outer face.

The end gate may be secured by arranging the bolts 8 near the bottom to form a pivot so that it might be turned up into a vertical position in place of the ordinary end gate.

It will be seen that the end gate is simple and inexpensive in construction, that it is adapted to be readily applied temporarily to an ordinary construction of wagon body, and that it greatly facilitates scooping.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

The combination of a wagon body provided at its rear end with vertical cleats arranged on its sides and having perforations 9 extending through the cleats and the sides of the wagon body and arranged at the top thereof, an inclined end gate having its lower end beveled and resting upon the upper face of the body at the extreme rear edge thereof and provided on its lower face with a cleat 5 fitting against the rear end of the bottom of the body and forming a stop, said end gate having wings extended beyond the inclined portion of the end gate and provided on the outer faces of the extended portions of the wings with vertical cleats fitting against and engaging the cleats of the body, and short bolts passing through said perforations and through the wings and detachably securing the end gate to the body, whereby the end gate may be removed to enable an ordinary end gate to be used, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

MORRIS J. LOVETT.

Witnesses:

J. M. BICKERS,  
R. MARTIN.