(No Model.)

N. HENIZER.

END GATE.

No. 381,070. Patented Apr. 10, 1888.

Fig. 1.

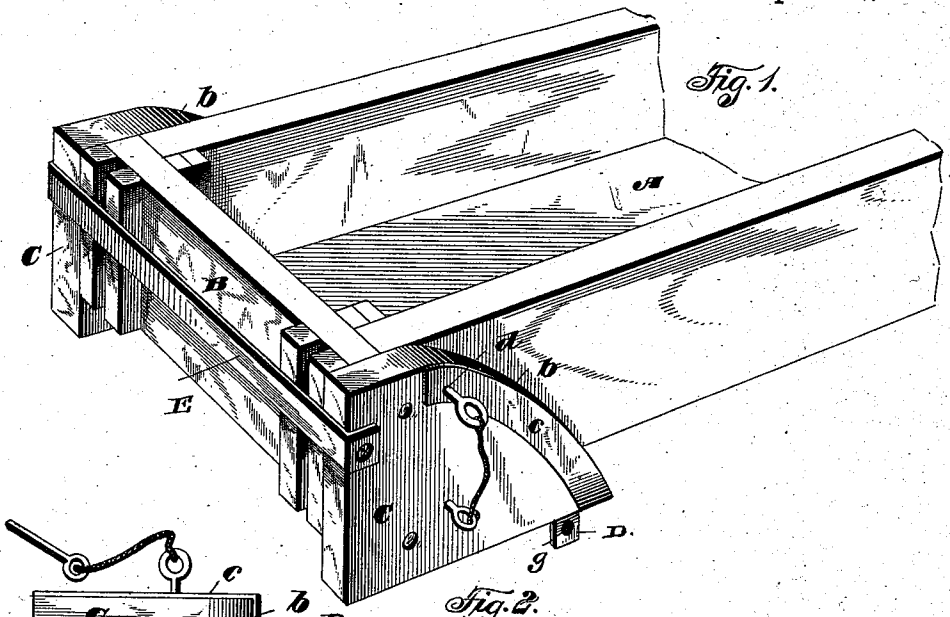


Fig. 2.

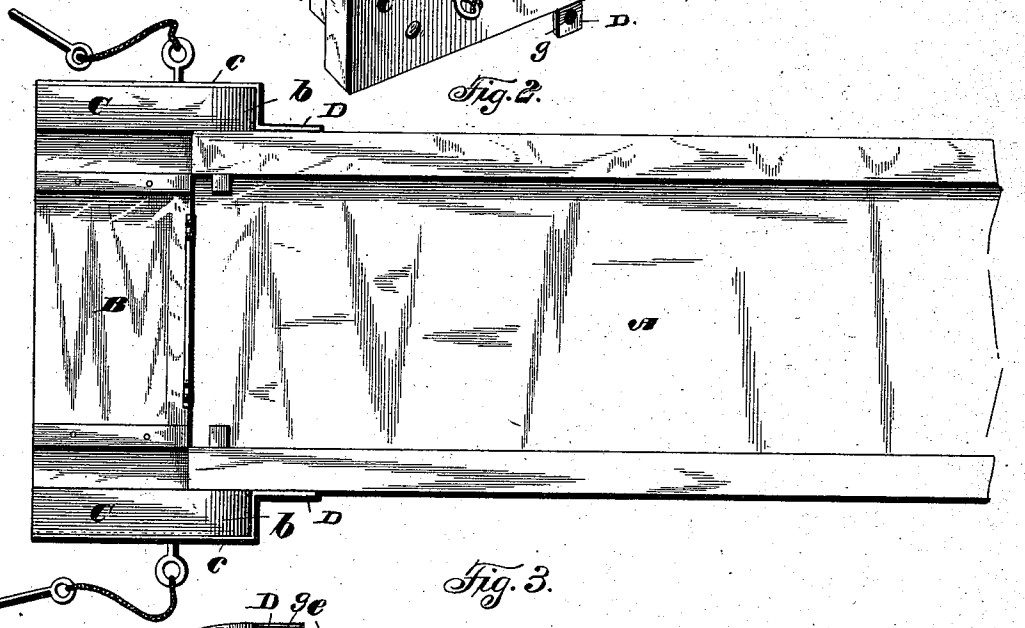
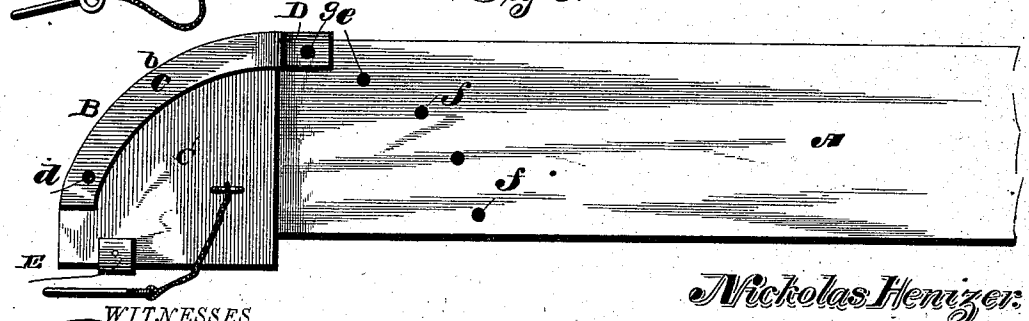


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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END-GATE.

SPECIFICATION forming part of Letters Patent No. 381,070, dated April 10, 1888.

Application filed December 6, 1887. Serial No. 257,153. (No model.)

To all whom it may concern:

Be it known that I, NICHOLAS HENIZER, a citizen of the United States, residing at Randolph, in the county of Randolph and State of Indiana, have invented certain new and useful Improvements in Combined Wagon-Gates and Shoveling-Boards; 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-gates and shoveling-boards for wagons, and the improvements will be fully understood from the following description and claim, when taken in connection with the claim and accompanying drawings, in which—

Figure 1 is a perspective view of a rear portion of the wagon-body, showing my improvements applied, the shoveling-board being raised in the position of an end-gate. Fig. 2 is a plan view of the same, with the gate down as a shoveling-board; and Fig. 3 is a side elevation of Fig. 2.

Referring by letter to the said drawings, A indicates a wagon-body, which may be of any ordinary approved pattern.

B indicates the end-gate, which may also be of any desired form, and suitably hinged to the floor or other part of the body, so that it may fold against the end of the said walls thereof.

To the opposite ends of the end-gate are secured in a fixed position vertical walls C C, which have their forward edges cut semicircularly, as shown at *b*. This form, however, is not essential, but is desirably and is preferably bound with a metal strip, *c*, and pierced, as shown at *d*, for the reception of a locking-pin, which enters therein, and also passes through an aperture, *e*, in the rear portion of the side walls of the body to lock the gate in a closed position.

In the arc of a circle, through the side walls of the body, I form a plurality of apertures, *f*. To the forward lower edge of the side walls, C C, I secure a clip, D, which is also perforated, as at *g*, to receive the locking-pin which secures the gate. Thus it will be seen that by means of this construction a shoveling-board of any desired angular inclination may be obtained by simply adjusting the end-gate and passing the pin through the eye of the clip and into the apertures *f* in the side walls of the body. In the present illustration I have shown this clip as being a continuation of the metal strips secured to the walls C, although I do not confine myself to this manner of construction. The walls C are also braced in position by a metallic strap, E, as shown.

While the gate or board may be held at any angle, it will also be seen that it may be secured in any extended position as well, and thereby afford a means for the driver or other person to stand on while loading and unloading the wagon.

I am aware that it is not new, broadly, to form a shoveling-board on a wagon-body, and that such devices have had their vertical side walls provided with a metallic strip and perforated to receive a securing-pin.

Having described my invention, what I claim as new is—

The combination, with a wagon-body having the rear portion of its side walls provided with transverse perforations arranged in the arc of a circle, of the hinged end-gate having the curved walls C, the locking-pin secured thereto, as shown, the curved metal strip *c*, secured to the outer side of the curved edge of the side walls and terminating in a clip, D, which has a perforation, *g*, and extends over the straight edge of the said side walls to the outer sides of the wagon-body, substantially as shown and described.

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

his
NICHOLAS + HENIZER.
mark.

Witnesses:
ISAAC REITENOUR,
L. D. LAMBERT.