

(No Model.)

O. W. MOORE.
END GATE FOR WAGONS.

No. 257,235.

Patented May 2, 1882.

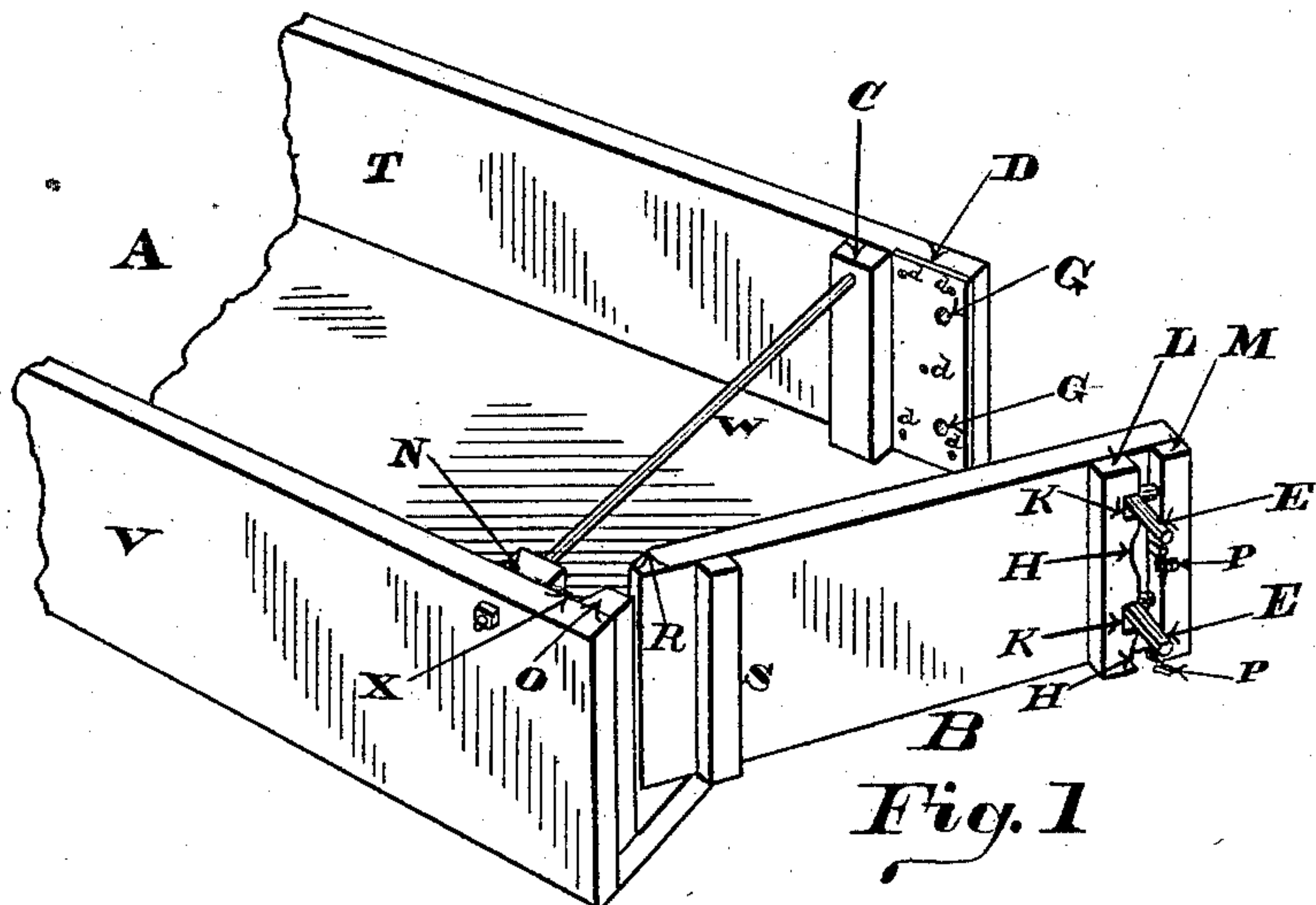


Fig. 1

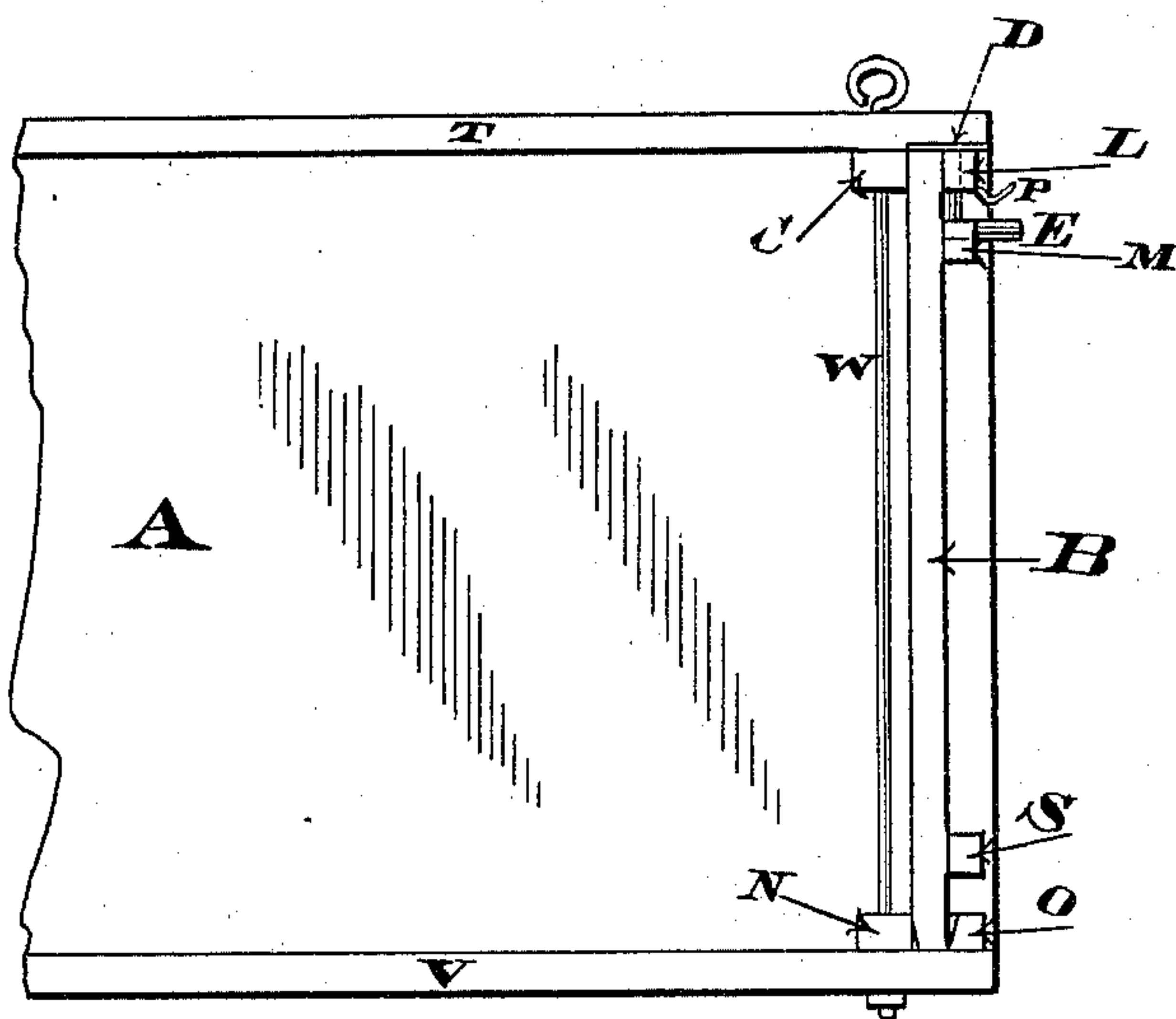


Fig. 2

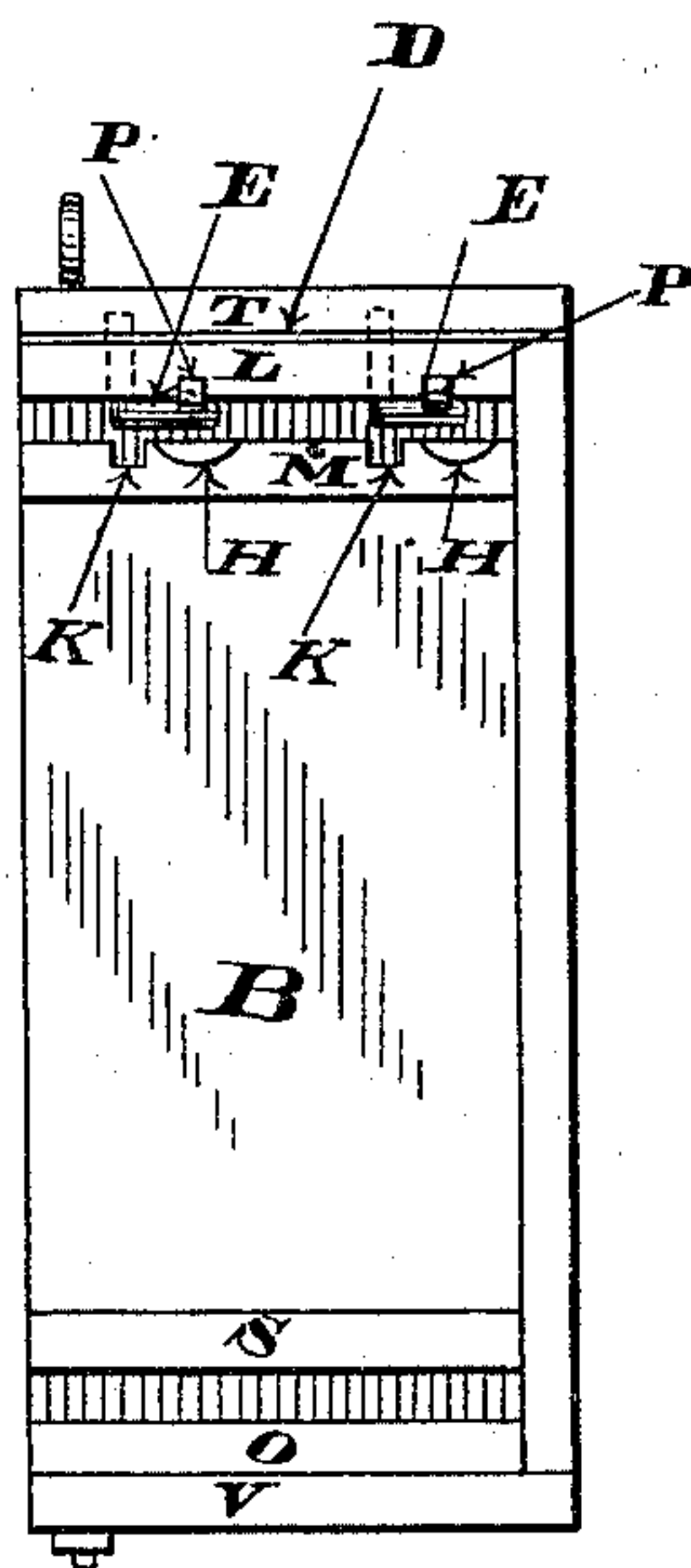


Fig. 3

Attest
Paul A. Staley
Charles Johnson

Inventor
Otis Warren Moore
per
H. Harrison
Attorney

UNITED STATES PATENT OFFICE.

OTIS WARREN MOORE, OF MONTICELLO, ILLINOIS, ASSIGNOR OF TWO-THIRDS TO CALEB DUNN MOORE AND CARLTON WRIGHT, OF SAME PLACE.

END-GATE FOR WAGONS.

SPECIFICATION forming part of Letters Patent No. 257,235, dated May 2, 1882.

Application filed August 26, 1881. (No model.)

To all whom it may concern:

Be it known that I, OTIS WARREN MOORE, a citizen of the United States, residing at Monticello, in the county of Piatt and State of Illinois, have invented a new and useful Improvement in End-Gates for Wagons, of which the following is a specification.

The object of my invention is to provide a detachable end-gate for farm-wagons which can be detached and removed at will, requiring no hinges, and free from the danger of rust and breakage. I attain these objects by the construction, arrangement, and combination of the several parts as illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a bed of a wagon provided with my new end-gate. Fig. 2 is a plan of the same. Fig. 3 is an end elevation.

Similar letters refer to similar parts throughout the several views.

A is the box or body of an ordinary frame-wagon, having the sides T and V and provided with my new and improved end-gate. The side T, at its rear end, on the inside, has an iron plate, D, secured to it by screws or bolts *d d*. The plate D is provided with holes G G for the reception of the iron rods or pins E E, and these holes G G also extend through the strip M. The side-board T is provided with only a single strip, C, which is on the inside and at the forward end of the plate D, the end-gate resting against this strip C when closed. V, the other side-board, is provided with strips N and O, which form a groove, X, at the rear end for the reception of the end-gate. The strips N and O are chambered, as shown in Fig. 2.

B is my end-gate, made or formed like the common gate, at one end having a single strip or standard, S, and fitting in between the standards N and O. The inside of the end of the gate B, near the standard S, is beveled, as indicated by R. The gate B, at the opposite end to the standard S on the outside, has two standards, L and M, as shown in Fig. 1. They are about two inches apart, but may be any

distance desired. The outside standard, M, has holes continuous to G for the reception of the rods or pin E. The standard or strip L is provided with notches K for the rod E to rest when the gate is opened, and L is beveled or cut away, as indicated by H, for better convenience of operating the rods E.

E E are iron rods, pins, bars, or bolts, bent into two arms at right angles to each other. When the gate is closed one end of E passes through the holes in M into the holes G in the sheet-iron plate D, while the other end of E lies flat in the groove between L and M, and is secured from accidentally becoming loose by a snap-catch, P.

W is the ordinary brace-rod placed inside of the end-gate, passing through the standards or strips C and M and the side-boards T and V, and made secure by nuts at its ends.

The construction of my end-gate is such that it has no hinges to rust or break, and is composed of one board, and its fastenings are very secure.

The manner of operation is as follows: Slide the end of B at S into the groove X between N and O. Then raise the ends of E E and pull them back into the notches K K, and then push the end of B adjacent to M against the standard C, when the end will rest on the plate D, and the end-board is ready to be made secure. To make secure the rods or bolts E E are pushed into the holes G G of the standard M and plate D, and the outer ends are dropped down between the standards L and M and held secure by the snap-catch P, and the end-gate will be firm and solid. To remove the end-gate simply unfasten the snap-catch P, lift the ends of E, push them back into the notches K, when the end-gate will be unfastened and will be readily removed.

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

In combination with the side-boards of a wagon-body, said sides having chambered standards or cleats N O, forming a recess, X,

on one board, and the standard C and perforated plate G on the opposite board, the end-gate B, having standards or cleats M L S, and provided with right-angled bolts E and snap-
5 catch P, said bolts engaging with notches and perforations in the standards L M, respectively, and adapted to enter perforations in the plate

G, substantially as and for the purpose set forth.

OTIS WARREN MOORE.

Witnesses:

W. A. NESBITT,
W. E. RODGERS.