

(No Model.)

L. H. PRUNER.

WAGON END GATE.

No. 336,492.

Patented Feb. 16, 1886.

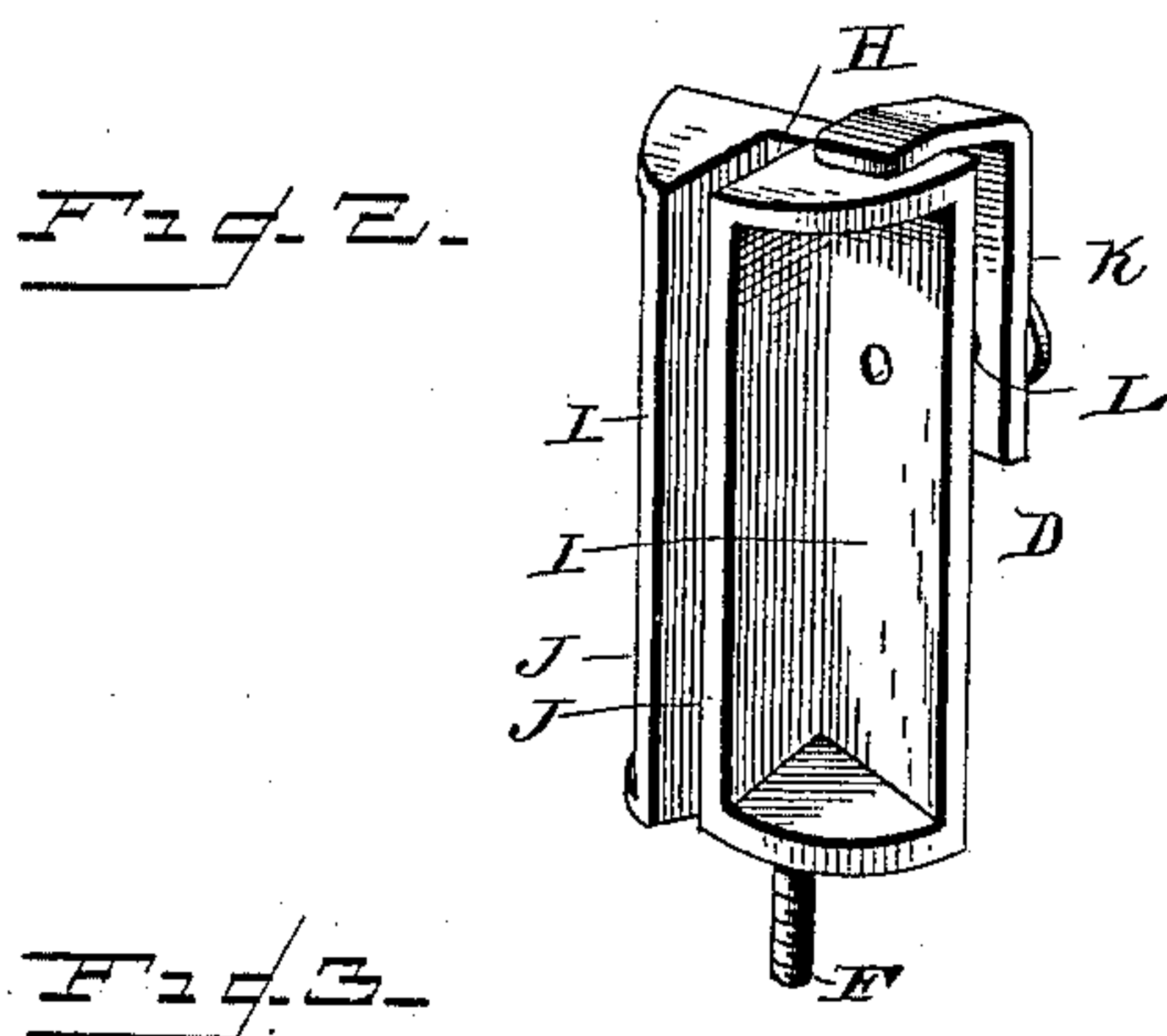
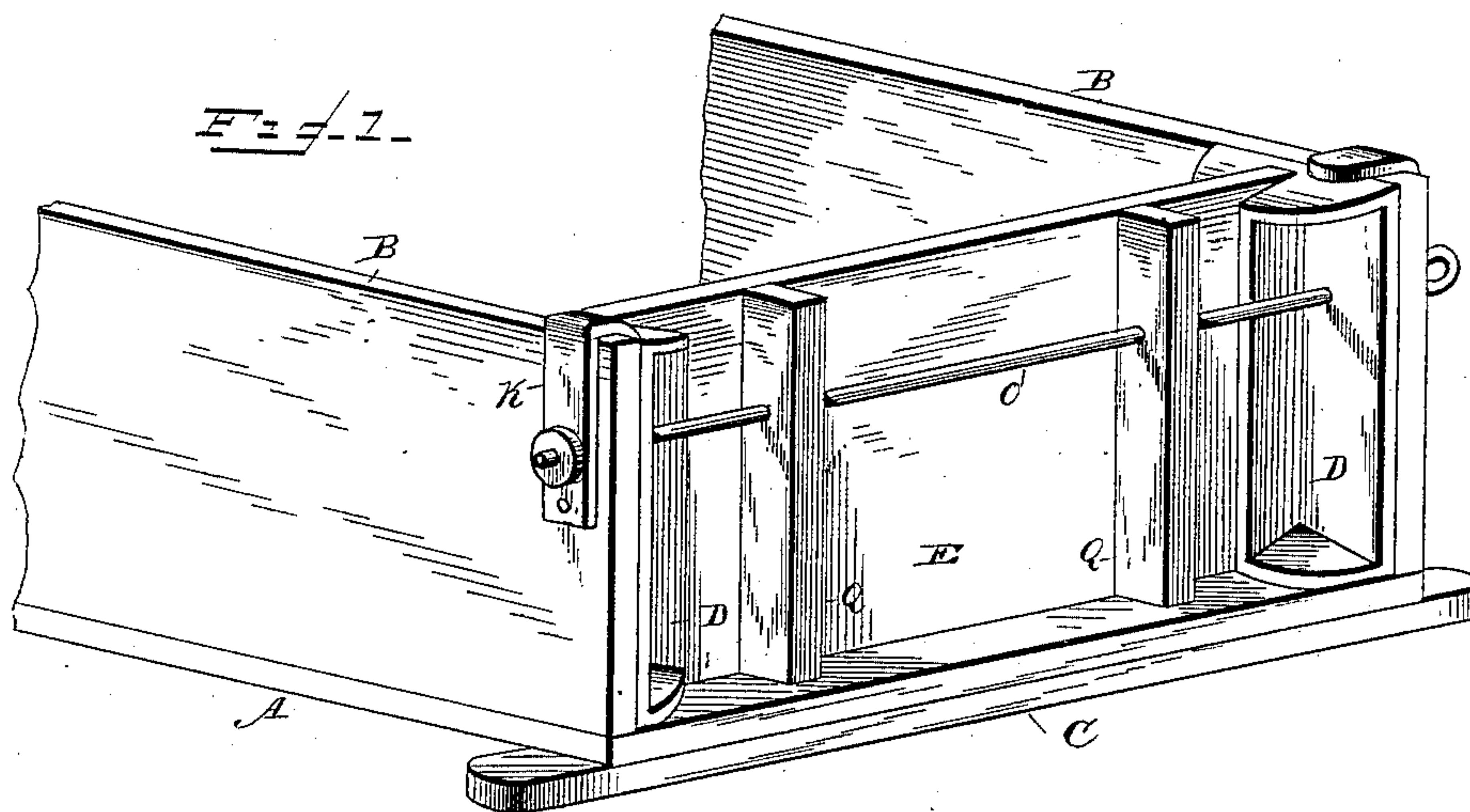
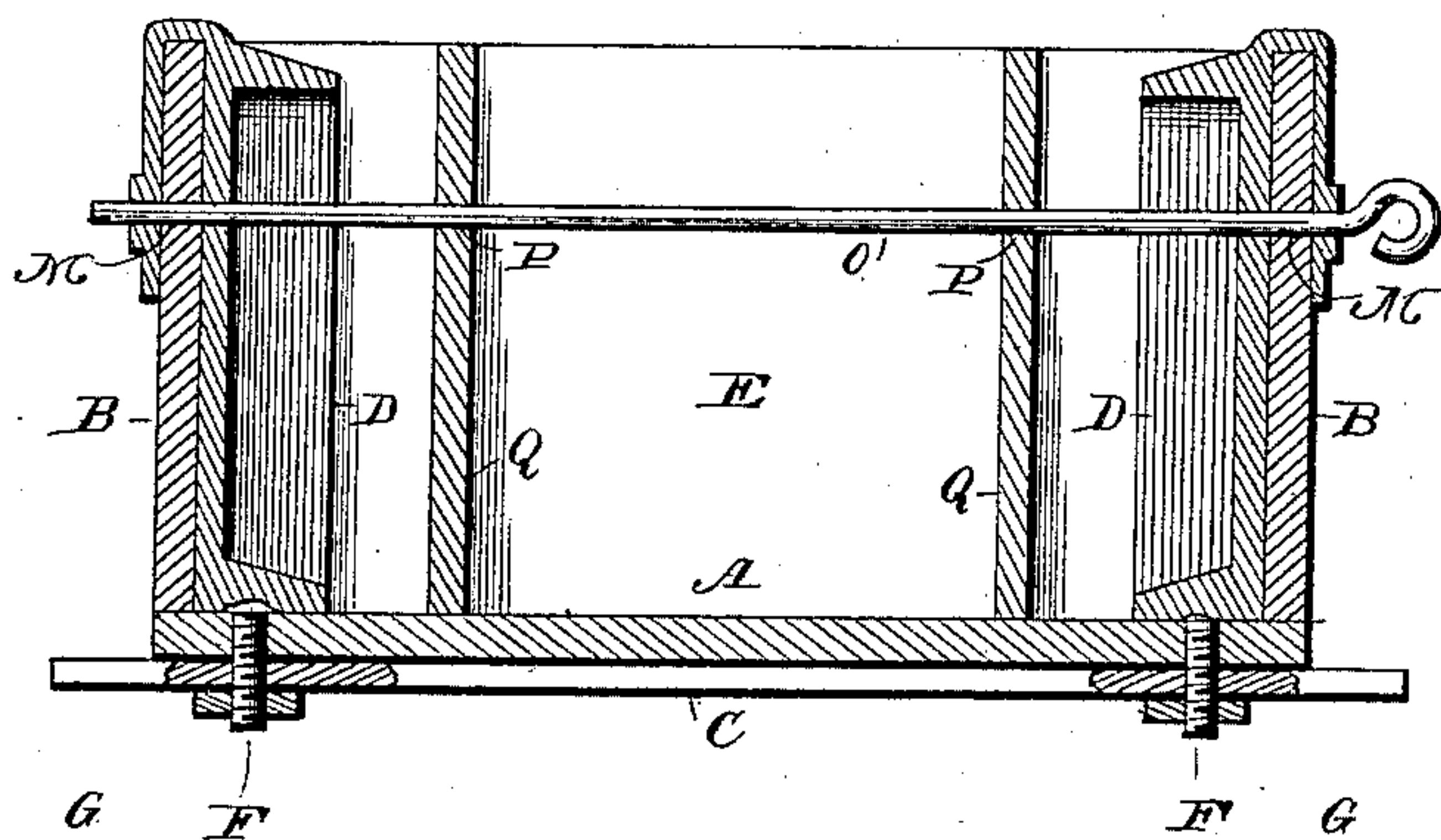


Fig. 3.



WITNESSES
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WAGON END-GATE.

SPECIFICATION forming part of Letters Patent No. 336,492, dated February 16, 1886.

Application filed December 4, 1885. Serial No. 184,729. (No model.)

To all whom it may concern:

Be it known that I, LORENZO H. PRUNER, a citizen of the United States, and a resident of Dean, in the county of Hand and Territory of Dakota, have invented certain new and useful Improvements in Wagon End-Gates; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of one end of a wagon-box provided with my improved end-gate. Fig. 2 is a similar view of one of the uprights supporting the end-gate, and Fig. 3 is a vertical sectional view taken transverse to the wagon-box.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to end-gates for wagon-boxes; and it consists in the improved construction and combination of parts of a support for the end-gates of a wagon-box, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the bottom of the wagon-box. B B are the sides of the box, and C is a cross-piece secured under the end of the bottom, reinforcing the same. The uprights D, which support the ends of the end gate E, have screw-threaded shanks F, which pass through the corners of the bottom and through the ends of the cross-piece, and are secured by means of nuts G, bearing against the under side of the cross-piece, and the upper portions of the uprights are formed with vertical grooves H upon their inner faces, and have laterally-projecting flanges I I, which are secured to the sides of the box. The upper and lower ends of the sides of the grooves and of the flanges are connected by means of small bracing-lips J or flanges, and the upper ends of the outer flanges of the uprights are extended and bent outward and downward, forming long lips K, which clamp the upper edges of the ends of the sides of the wagon-box and retain them. The lower ends of these lips have perforations L, which register with perfora-

tions M in the ends of the box sides, and with perforations N in the outer flanges of the uprights, and the transverse rod O, which secures the end-gate, passes through these perforations. The end-gate is provided with eyes P, either formed in re-enforcing strips Q upon the back of the gate, or secured upon the back of the gate, and these eyes register with the perforations in the uprights and the sides receiving the rod, which thus secures the end-gate. The ends of the gate slide in the grooves of the uprights, and when the rod is inserted through the perforations and eyes the gate is secured, while, when the rod is removed, the gate may be raised and removed.

It will be seen that the lips upon the uprights will prevent the sides from splitting, as well as secure the sides to the uprights, and the lips will be secured to the sides when the rod is inserted through the perforations.

If desired, the sides may be simply held by the lips of the uprights and by the rod, or they may be bolted to the outer faces of the laterally-projecting flanges, and when the sides are simply held by the lips of the uprights and by the rod they may be easily removed, leaving the bottom with the uprights.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. An end-gate-supporting upright having a screw-threaded shank at its lower end provided with a nut having a vertical groove in its inner face, and having laterally-projecting flanges connected at their ends to the ends of the sides of the groove by means of corner flanges or lips, and provided with an outwardly and downwardly bent long lip having a perforation in its end registering with a perforation in the outer flange of the upright, as and for the purpose shown and set forth.

2. The combination of the sides and bottom of a wagon-box, uprights secured with their lower threaded ends through the corners of the bottom by means of nuts and having vertical grooves upon their inner faces, and outwardly and downwardly bent lips at their upper ends having perforations in their ends registering with perforations in the ends of the side pieces and in the uprights, said

lips clamping the upper edge of the sides, an end-gate having eyes upon its back registering with the perforations and sliding with its ends in the grooves of the uprights, and a 5 transverse rod passing through the perforations and eyes, as and for the purpose shown and set forth.

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

LORENZO H. PRUNER.

Witnesses:

A. G. EBERHART,

F. M. PRUNER.