

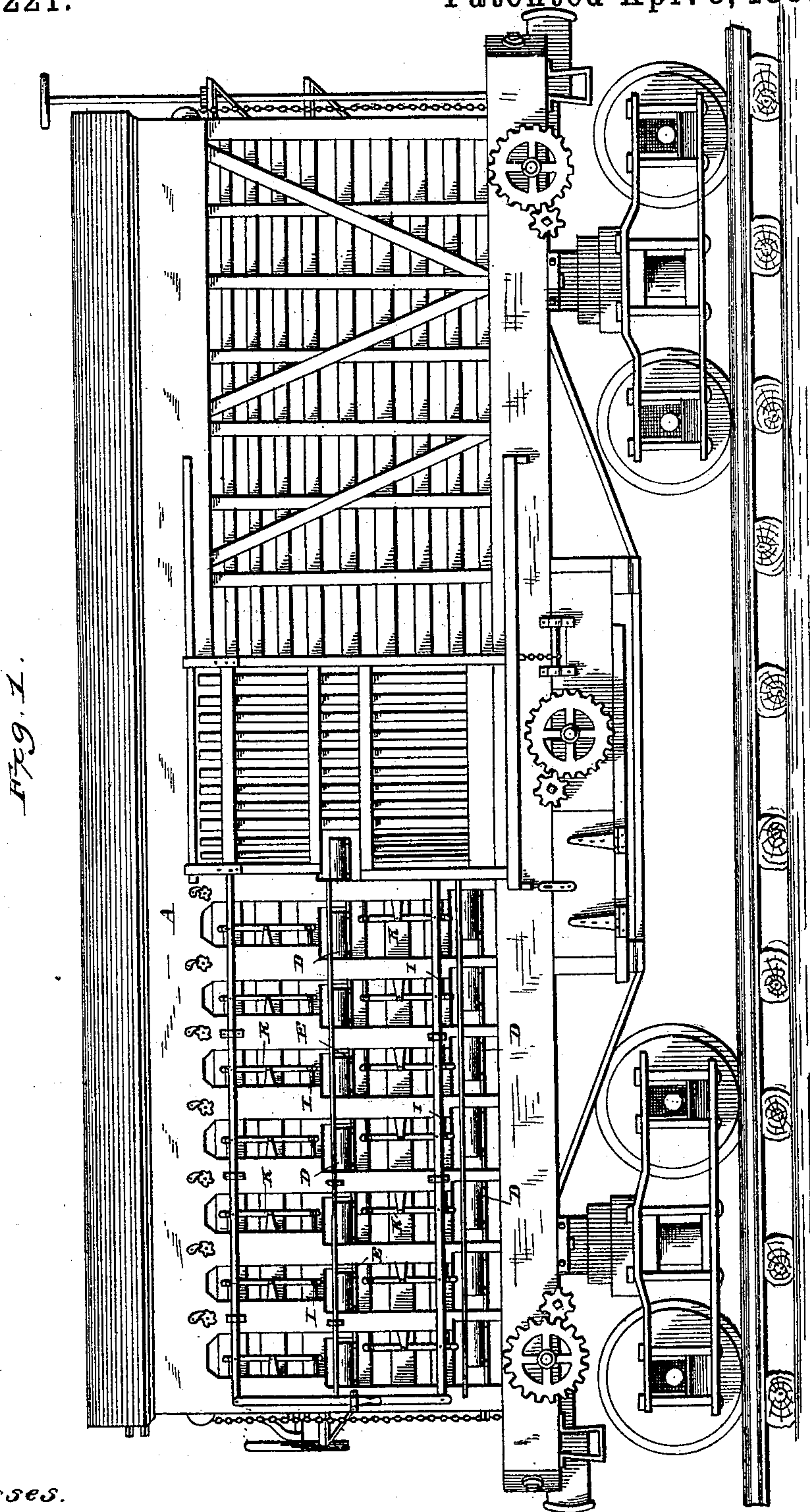
(No Model.)

2 Sheets—Sheet 1.

E. KOHLER.
STOCK CAR.

No. 275,221.

Patented Apr. 3, 1883.



Witnesses.
Edwin L. Jewell.
H. A. Paulmin

Inventor.
Elias Kohler
By C. M. Alexander his Attorney.

(No Model.)

2 Sheets—Sheet 2.

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STOCK CAR.

No. 275,221.

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Fig. 2.

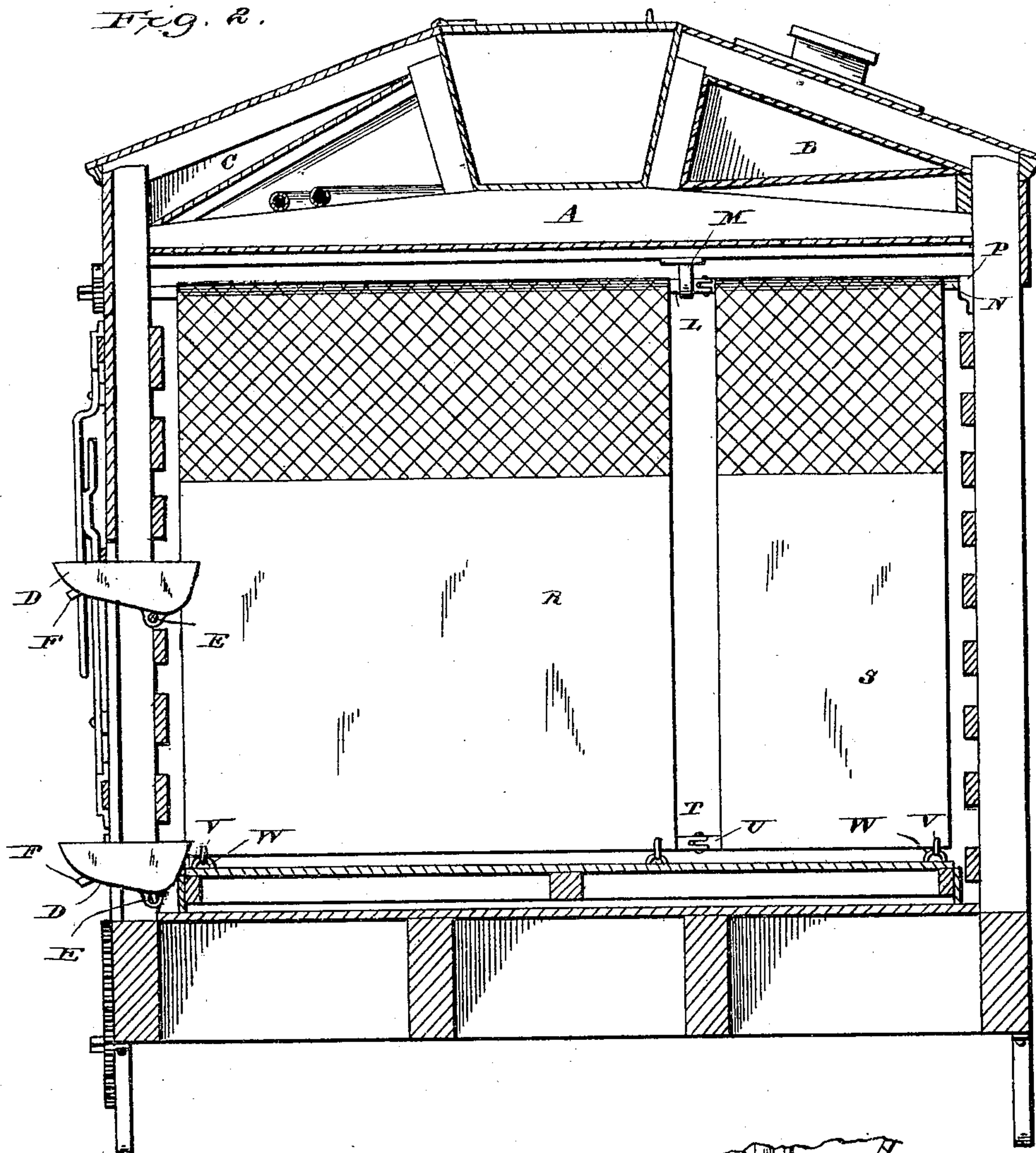


Fig. 3.

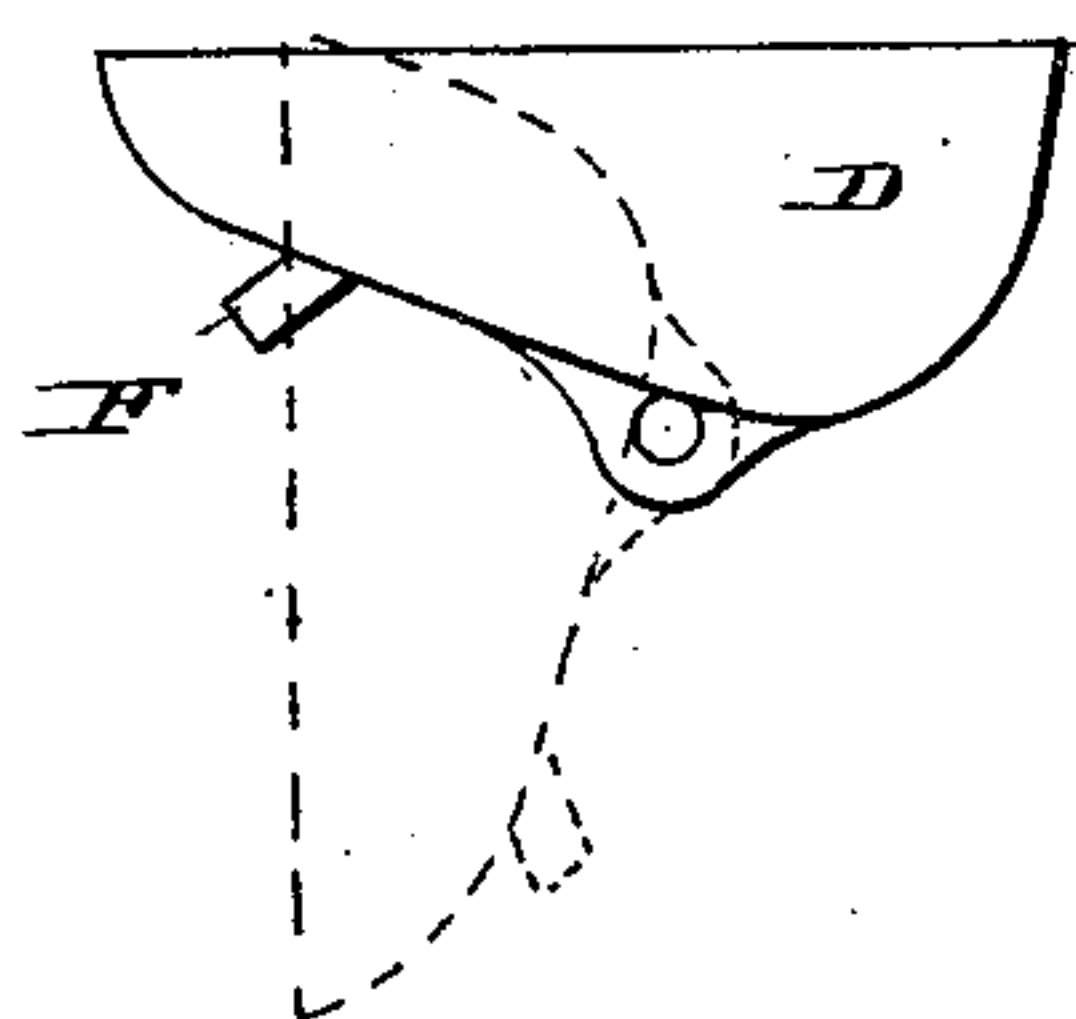
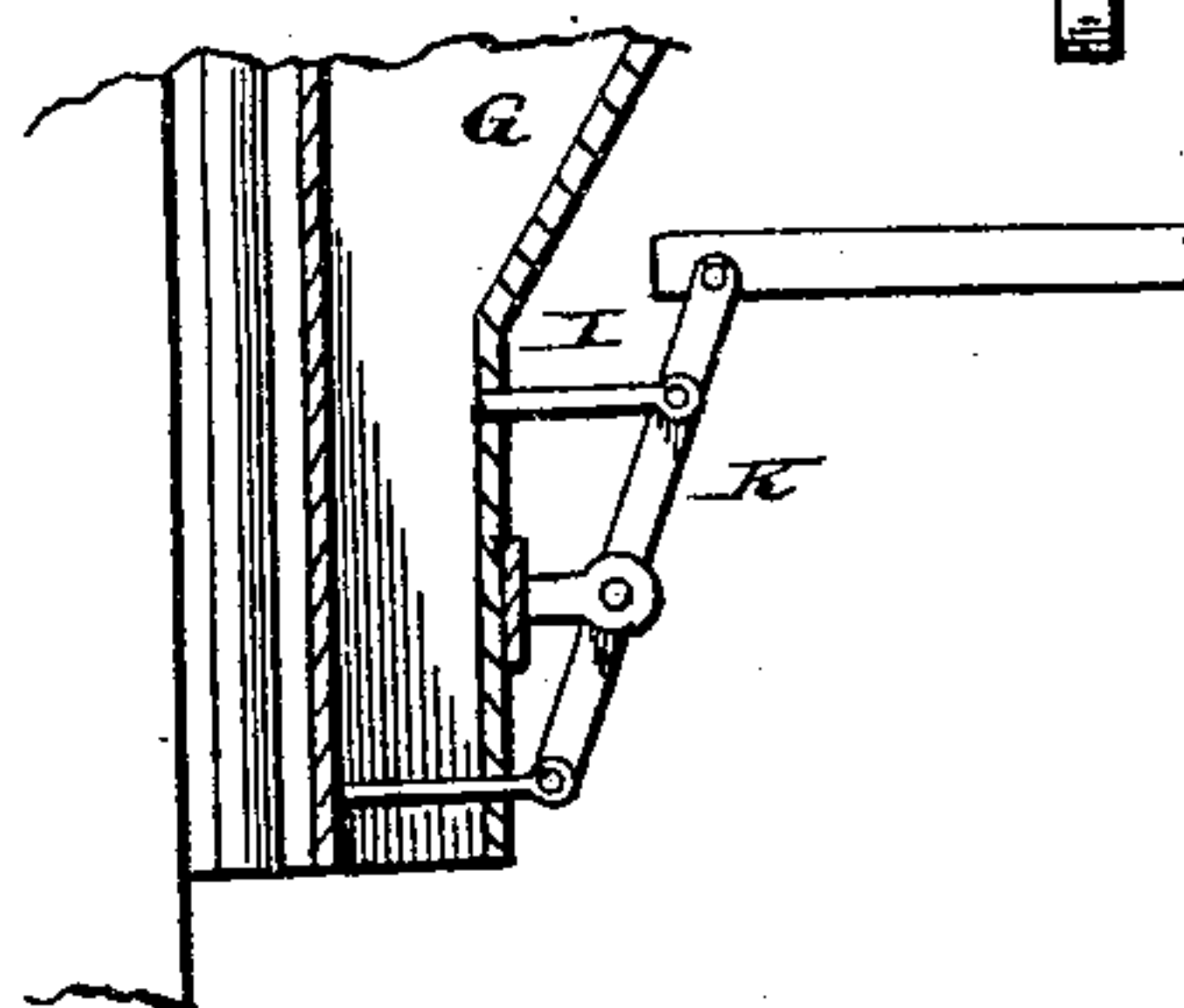


Fig. 4.



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UNITED STATES PATENT OFFICE.

ELIAS KOHLER, OF YORK, PENNSYLVANIA.

STOCK-CAR.

SPECIFICATION forming part of Letters Patent No. 275,221, dated April 3, 1883.

Application filed November 9, 1882. (No model.)

To all whom it may concern :

Be it known that I, ELIAS KOHLER, of York, in the county of York, and in the State of Pennsylvania, have invented certain new and useful Improvements in Cattle-Cars; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to certain improvements in stock or cattle cars, and is an improvement upon the invention for which Letters Patent of the United States were granted to me the 18th day of April, 1882, No. 256,707; and it has for its objects to provide a new arrangement of stalls, whereby the cars may be more conveniently loaded and discharged and the stock more conveniently attended to *in transitu*, as hereinafter set forth.

In the drawings, Figure 1 represents a side elevation of a car showing my invention; Fig. 2, a transverse vertical section of the same. Fig. 3 represents a detached view of one of the feed and watering troughs; and Fig. 4, a detached sectional view of the mechanism for supplying feed to the troughs.

The letter A indicates the car, which is provided with the water-tanks and feed-bins at the top, as indicated, respectively, by the letters B and C. The car at one side is provided with a series of feed and watering troughs, D, which are secured to the shafts E, journaled in suitable bearings, in such manner that they may be dumped from the ends of the car when required. These troughs are of peculiar construction, as indicated in Fig. 3, having inclined bottoms, so as to give depth at the inner end, and having discharge-spouts F, by means of which liquid food or water may be discharged, and prevented from reaching a sufficient level to overflow the troughs. The feed-delivery tubes, which extend from the feed-bin to the troughs, are provided with inclined walls G, as indicated in Fig. 4, by means of which the free downward delivery of food is effected, the said tubes being provided with alternately-operat-

ing valves I, operated by means of the levers K, as usual.

At suitable intervals in the upper part of the car are arranged a series of rollers, L, which are journaled in bearings at one side of the car at one end, and in hangers M, secured to the ceiling of the car at the other end, the ends of the shafts extending through such bearings, as indicated. The said extended ends are slotted, and have hinged in the slots the ends of the rollers N, the free ends of which are adapted to rest in bearings P at one side of the car. To the said rollers are secured the independent sheets of reticulated and woven fabric, as indicated by the letters R S. The lower end of the sheets R have secured to them the rods T, which are slotted at their inner ends, similarly to the rollers L, and have hinged to them the rods U, to which the lower ends of the sheets S are attached.

The lower ends of the respective sheets are provided with hooks V, which may be made to engage the eyes W, secured to the floor of the car, so as to hold the sheets down and divide the car into suitable compartments or stalls.

As constructed, it will be observed that the respective sheets may be wound up on the upper rollers, so as to form one compartment in the car, when desired, and that they can be let down and hooked, so as to form a series of compartments, if necessary. It will be further evident that the sheets, being connected to the supporting-rollers and rods of the sheets, may be swung back and forth, serving as doors, by means of which a passage-way at one side of the car may be opened, as desired, for the entrance of the cattle to the stalls, and that the stalls may be successively closed by returning the sheets to a normal position after the animals have been stalled.

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

1. The combination, in a stock or cattle car, of the upper transverse rollers, hinged together and supported as described, the sheets of reticulated or woven fabric, and the rods

secured to the lower ends thereof, and hinged together as described, and the fastening devices, all arranged to be operated substantially as specified.

- 5 2. The combination, in a stock-car, of the feed and water troughs, constructed with inclined bottoms and having discharge-spouts, whereby the liquid food and water may be kept at proper level, substantially as specified.

In testimony whereof I affix my signature, in presence of three witnesses, this 1st day of November, 1882.

ELIAS KOHLER.

Witnesses:

J. F. MCKINLEY,
J. B. DORIAN,
WM. BEITZEL.