

(No Model.)

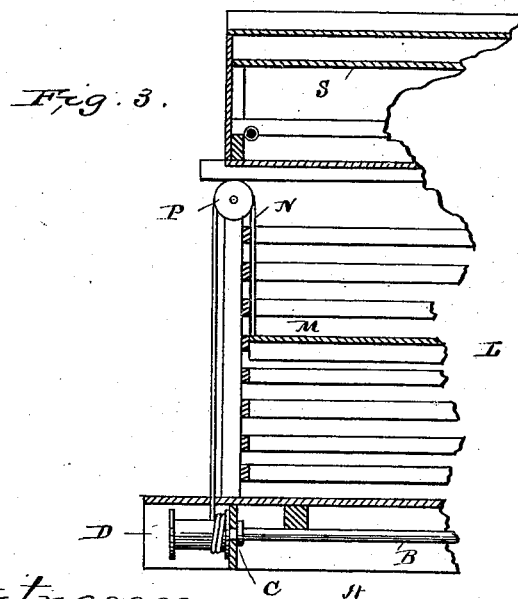
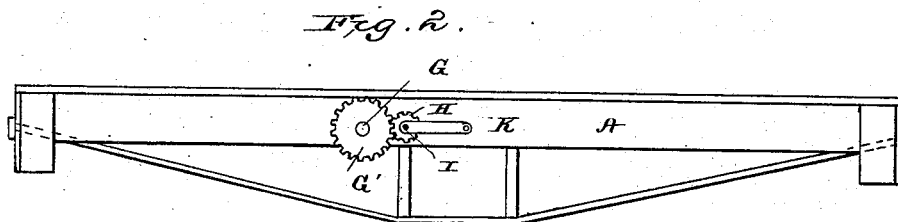
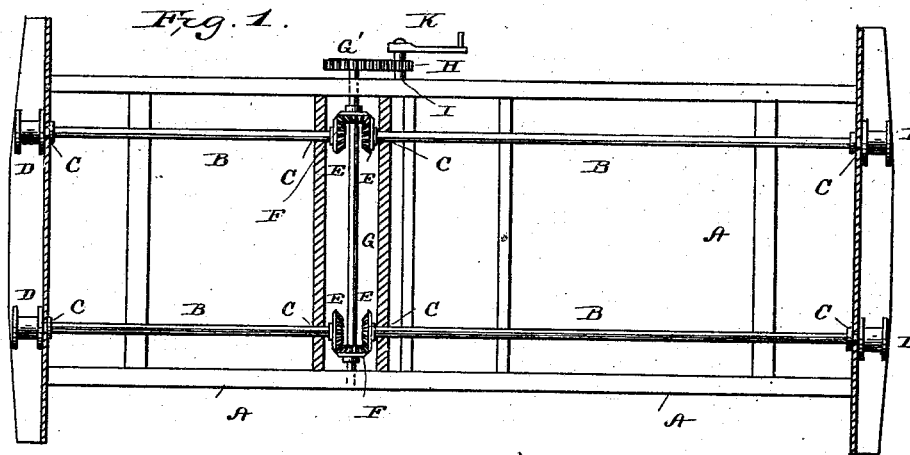
2 Sheets—Sheet 1.

E. KOHLER.

CATTLE CAR.

No. 260,299.

Patented June 27, 1882.



Witnesses,
Edwin L. Geisler.
H. A. Toulmin

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

(No Model.)

2 Sheets—Sheet 2.

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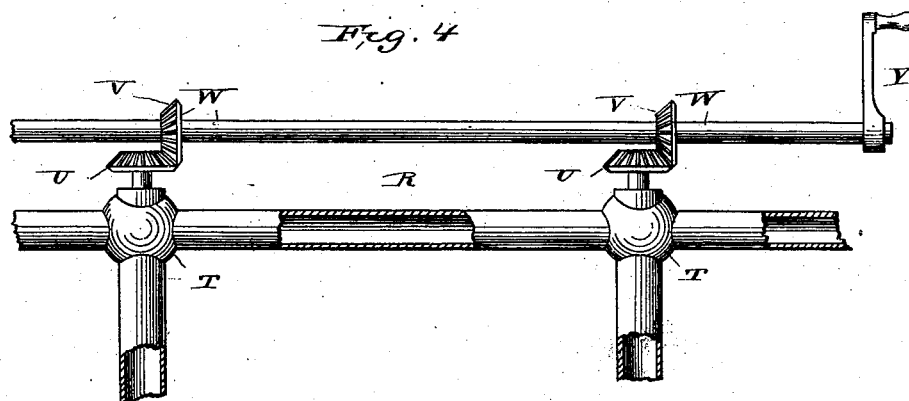
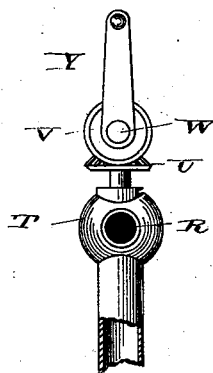


Fig. 5.



Witnesses.

Edwin L. Yewell.

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UNITED STATES PATENT OFFICE.

ELIAS KOHLER, OF YORK, PENNSYLVANIA,

CATTLE-CAR.

SPECIFICATION forming part of Letters Patent No. 260,299, dated June 27, 1882.

Application filed May 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 upon the invention for which Letters Patent of the United States No. 256,707, dated April 18, 1882, were granted to me for improvement in cattle-cars; and it has for its objects to provide a more convenient and reliable means of elevating and lowering the movable horizontal floor embraced in said invention, and for regulating the supply of water delivered to the animals, as more fully herein-after specified. These objects I attain by the apparatus and mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a view of the bottom of a car, showing a portion of my improved device. Fig. 2 represents a side elevation of a portion of a car, showing my invention applied thereto. Fig. 3 represents a vertical sectional view of a portion of a car, showing my invention. Fig. 4 represents a side elevation of the water-distributing device, and Fig. 5 an end view thereof.

The letter A indicates the lower timbers or frame-work of an ordinary cattle or stock car constructed in the usual manner.

The letter B indicates a series of four longitudinal shafts journaled in bearings C in the frame-work or lower timbers of the car, the said shafts projecting from their bearings at the ends of the car, and being provided with barrels D, as illustrated in Figs. 1 and 3 of the drawings. The said shafts are provided with beveled-gear wheels E at their inner ends, which intermesh with the beveled-gear wheels F, mounted on a transverse shaft, G, journaled in bearings in the lower side timbers of the car. The said shaft at one end projects beyond its bearing at the side of the car, and is provided with a gear-wheel, G', which intermeshes with a pinion, H, on a short shaft, I,

journaled at the side of the car, and provided with a crank, K, by means of which the shafts B may be rotated.

The letter L indicates the body of the car, which is constructed with slatted sides secured to uprights mounted upon the lower timbers or frame of the car, as usual.

M indicates a movable floor located in the body of the car, and provided with ropes or chains N extending over pulleys P and secured to the respective drums mounted on the ends of the longitudinal shafts in such manner that as the shafts are rotated the floor will be raised or dropped, as required.

The letter R, Figs. 4 and 5 of the drawings, represents a detached view, showing the water-conduits for supplying the water from the reservoir S to the water-troughs of the cars, and T the valve-chambers containing the valves by means of which the supply is controlled. The valve-stems are provided with beveled-gear wheels U, which intermesh with the gear-wheels V on the longitudinal shaft W, extending through the upper part of the car, and provided with a crank, Y, by means of which the valves may be simultaneously operated to supply the water to the troughs below.

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

1. In combination with the longitudinal shafts provided with barrels at their outer ends, connecting with the cords or chains for operating the movable floor, and with beveled-gear wheels at their inner ends, the transverse shaft and its operating-gear, and the beveled-gear wheels intergearing with the beveled-gear wheels on the longitudinal shafts, substantially as and for the purposes specified.

2. In combination with the water-conduits and their valves, the beveled gearing and longitudinal shaft for operating the same, substantially as set forth.

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

ELIAS KOHLER.

Witnesses:

J. J. MCCARTHY,
CHARLES D. DAVIS.