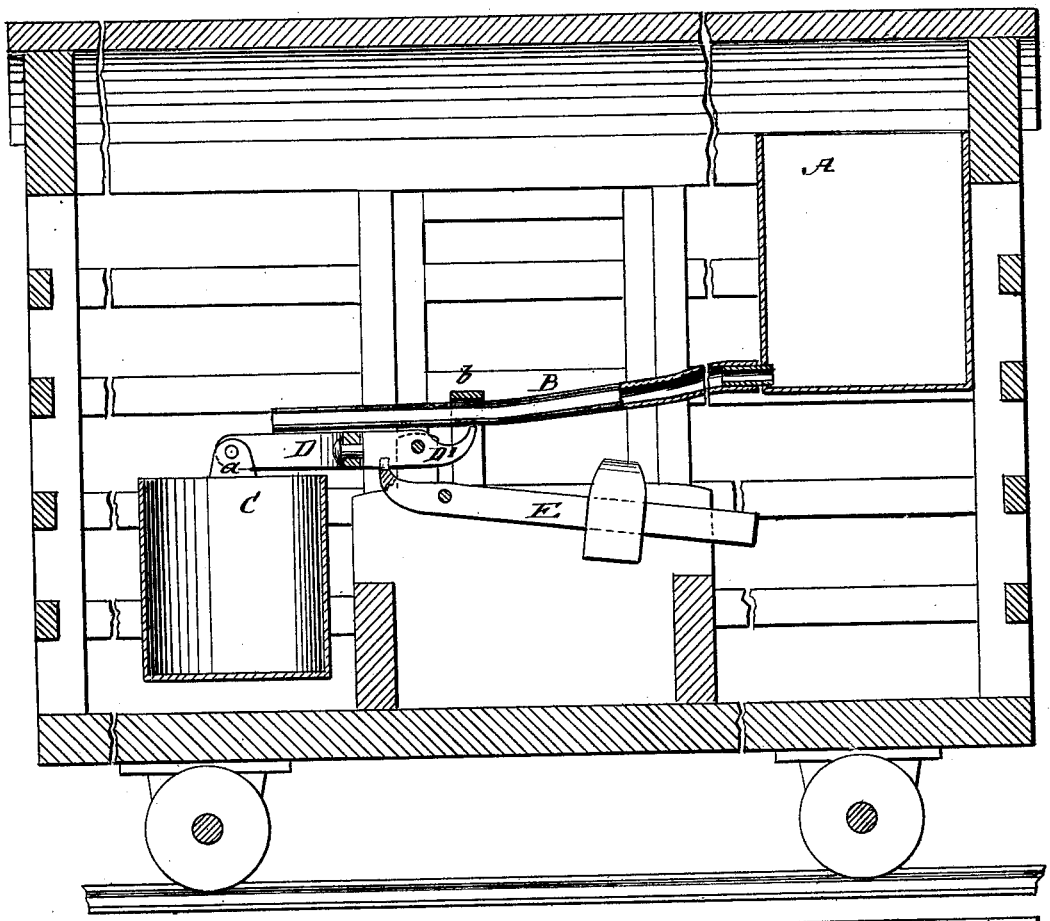
W. H. HAYES.

CATTLE-WATERING DEVICES.

No. 195,274. Patented Sept. 18, 1877.

Fig. 1.



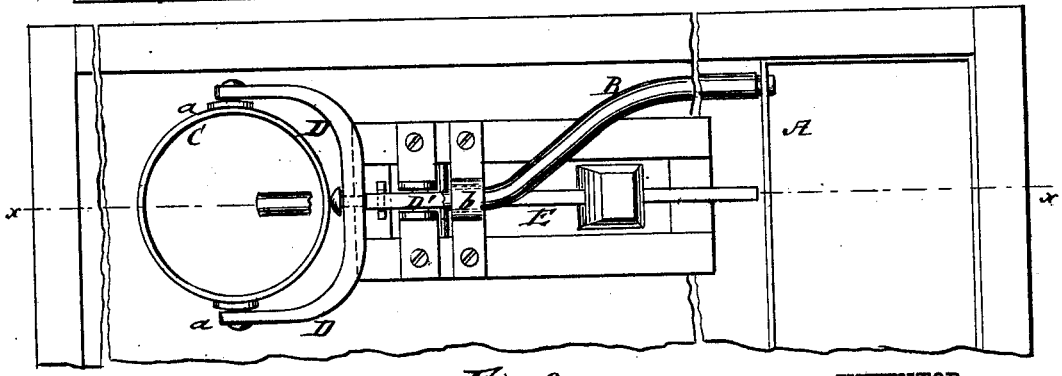


Fig. 2.

WITNESSES:

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WILLIAM H. HAYES, OF SALISBURY, MISSOURI.

IMPROVEMENT IN CATTLE-WATERING DEVICES.

Specification forming part of Letters Patent No. **195,274**, dated September 18, 1877; application filed July 13, 1877.

To all whom it may concern:

Be it known that I, WILLIAM H. HAYES, of Salisbury, in the county of Chariton and State of Missouri, have invented a new and Improved Device for Watering Stock, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation of my improved device for watering stock, partly in section, on line *x x*, Fig. 2; and Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The invention has reference to an improved device for watering stock in stock cars or yards, in a superior and automatic manner from a common tank, without waste; and the invention consists of a bucket hung to a fulcrumed and weighted lever, with curved end, that is pressed by the weight of the water in the bucket against the hose, connecting-tank, and bucket, so as to cut off the water-supply and re-establish the same when the bucket is getting empty.

In the drawing, A represents a tank that is supported at suitable height in the stock-yard, car, or other place. The tank A is connected by a rubber hose, B, with a bucket, C, that is hung by pivots *a* to a semicircular bail, D, which is fulcrumed by a lever-arm, D′, to suitable supports, the fulcrumed arm being extended back at the fulcrum and curved upward to press on the rubber hose. The hose is thereby forced against a fixed band, *b*, that extends across the top of the hose, so as to cut off the water-supply by the pressure of the lever-arm on the hose when the bucket is filled with water.

A second lever, E, is fulcrumed below the fulcrum of the lever-arm of the bucket, and weighted at the rear end, while its front end bears on the bucket-lever D′ at a point in front of its fulcrum, so as to raise the bucket by the weight of the lever when the water is diminished beyond a certain level.

The raising of the bucket takes off the pressure from the hose, and re-establishes the supply of water from the tank, until the weight of the water in the bucket overcomes again the balance-weight and cuts off the supply.

In this manner a continuous and automatic water-supply for stock in cars and yards is obtained.

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

The combination of the bucket-carrying lever D′, having curved rear extension D, and the weighted regulating-lever E, with the water-supplying hose B, and a fixed top band, *b*, extending over the hose to cut off or re-establish supply of water to bucket, substantially as set forth.

WILLIAM H. HAYES.

Witnesses:
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