

J. T. & R. A. McCOY.
Cattle-Chute.

No. 221,931.

Patented Nov. 25, 1879.

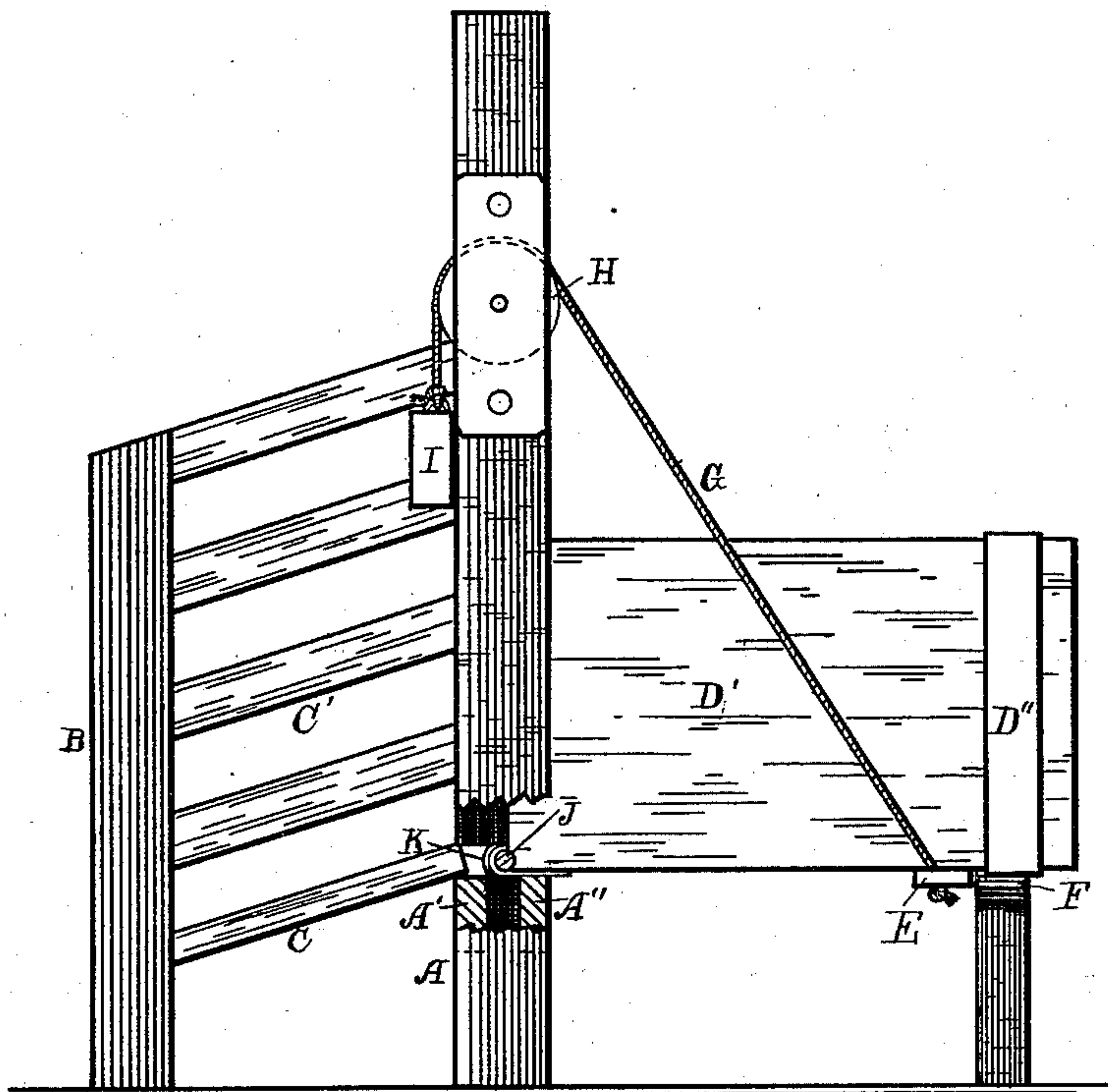


Fig. 1.

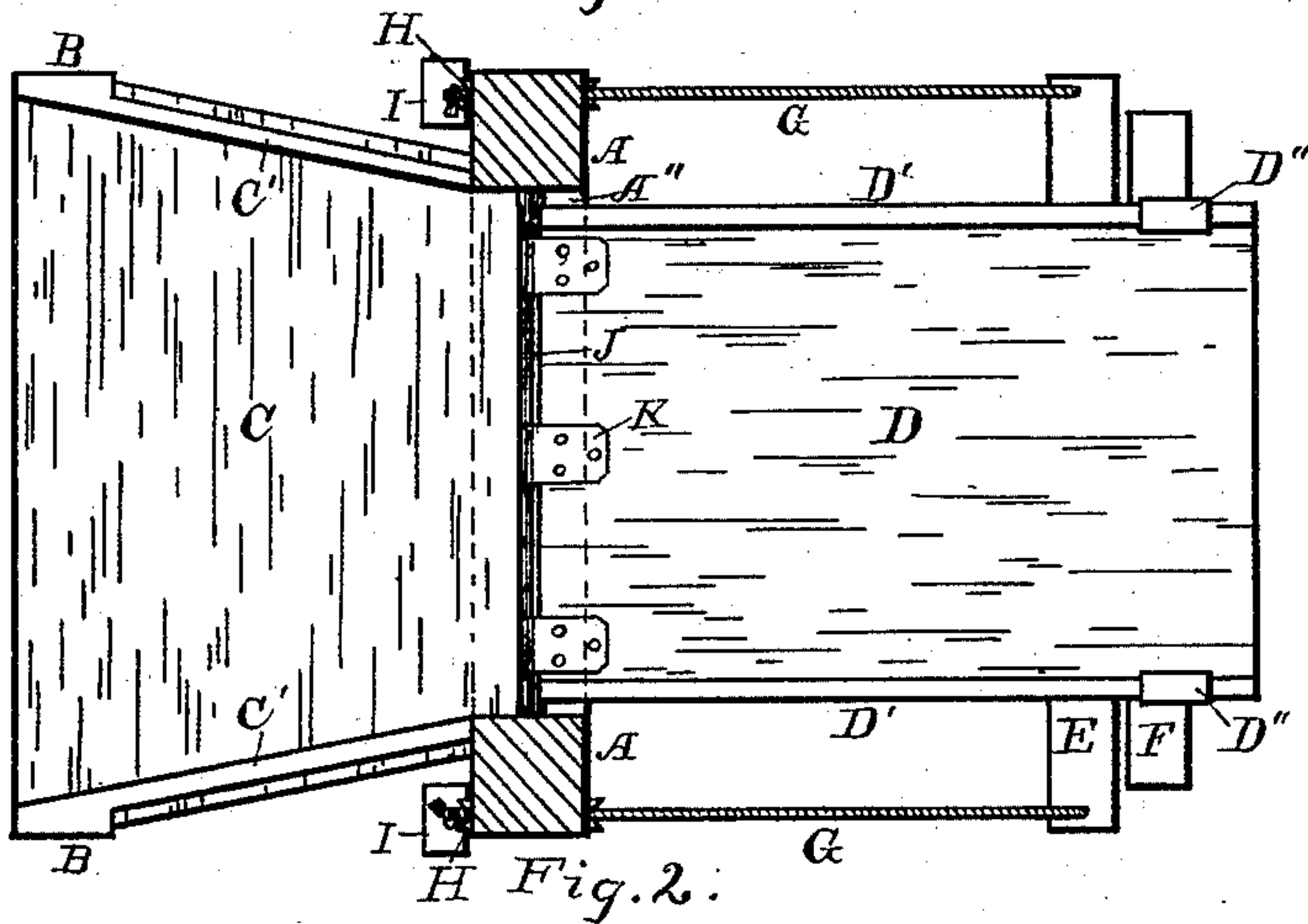


Fig. 2.

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN CATTLE-CHUTES.

Specification forming part of Letters Patent No. **221,931**, dated November 25, 1879; application filed May 3, 1879.

To all whom it may concern:

Be it known that we, JAMES T. McCOY and ROBERT A. McCOY, of McCoy's Station, in the county of Decatur and State of Indiana, have invented a new and useful Improvement in Cattle-Chutes, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a side elevation of the chute, and Fig. 2 a top view of the same.

The object of our invention is to provide a convenient chute for loading cattle which can be readily adjusted to load the cattle and then replaced or thrown out of the range of the cars, the same being cheaply and substantially made, as will be hereinafter explained.

In the accompanying drawings, A A represent two posts placed a suitable distance apart on one side of the railway-track and bound together at the tops by a beam. B B are other posts, placed in the same positions relatively with A, but farther from the railway-track. The posts A are connected by sills A' A'', placed a slight distance apart, the object of which will be hereinafter explained. An inclined floor, C, extends from one of these sills A' to a sill connecting the posts B, and railings C' connect the posts A B for guarding the entrance of cattle.

D is the floor of the chute, provided with straps K. These straps or hinges pass around the rod J, which runs from post A to A on the opposite side of the chute. D' D' represent the sides of the chute, and are held firmly to the floor D by means of the straps D''.

A sill, E, is attached underneath the floor D, which is produced on each side of the chute, and ropes G attached to these ends pass over pulleys H located in the upper ends of posts A. The ropes on the opposite sides of these posts are provided with weights I, which balance the weight of the forward end of the chute D. A rest, F, is provided for the forward end of the chute.

The operation of the chute is as follows: Fig. 1 shows its position for loading the cattle. When it is desired to withdraw the chute its forward end is elevated either by means of the rope at I or by raising the same at E. When the floor D assumes a vertical position the sill E will rest against the posts A. This shuts out the further approach of the cattle, and means can readily be provided for keeping the chute in a vertical position.

In loading cattle dirt will accumulate on the chute D, and when the same is elevated it will fall into the opening between the floors C and D at the hinged part of the chute. To prevent the dirt from checking the operation of the hinge and permit it to pass from the floor we have constructed the sill in two parts, A' A'', placed a slight distance apart, between which the accumulation is allowed to pass. The end of the floor D rests on the sill A'', thus relieving the rod J from any unnecessary strain.

A rope, G, and pulley H can be attached on both sides of the chute, or only on one side, as desired.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a stock-loader, the chute D, pivoted to the posts A by means of a rod, J, and straps K, and elevated by ropes G, pulleys H, and weights I, substantially as and for the purpose specified.

2. The combination of the posts A, sills A' A'', and rod J with chute D, ropes G, pulleys H, and weights I, substantially as and for the purpose herein set forth.

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