

(No Model.)

L. C. HICKS.
DUMPING WAGON.

No. 441,662.

Patented Dec. 2, 1890.

Fig. 1.

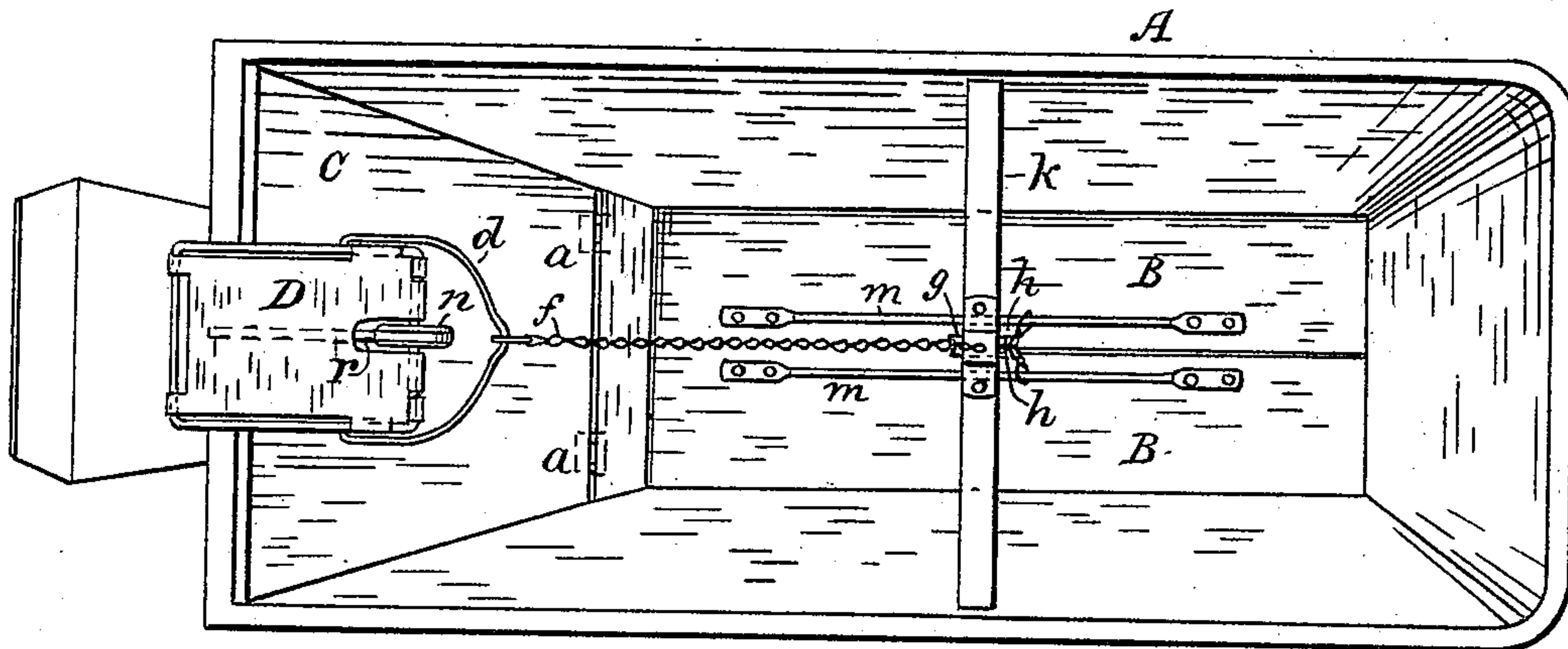


Fig. 2.

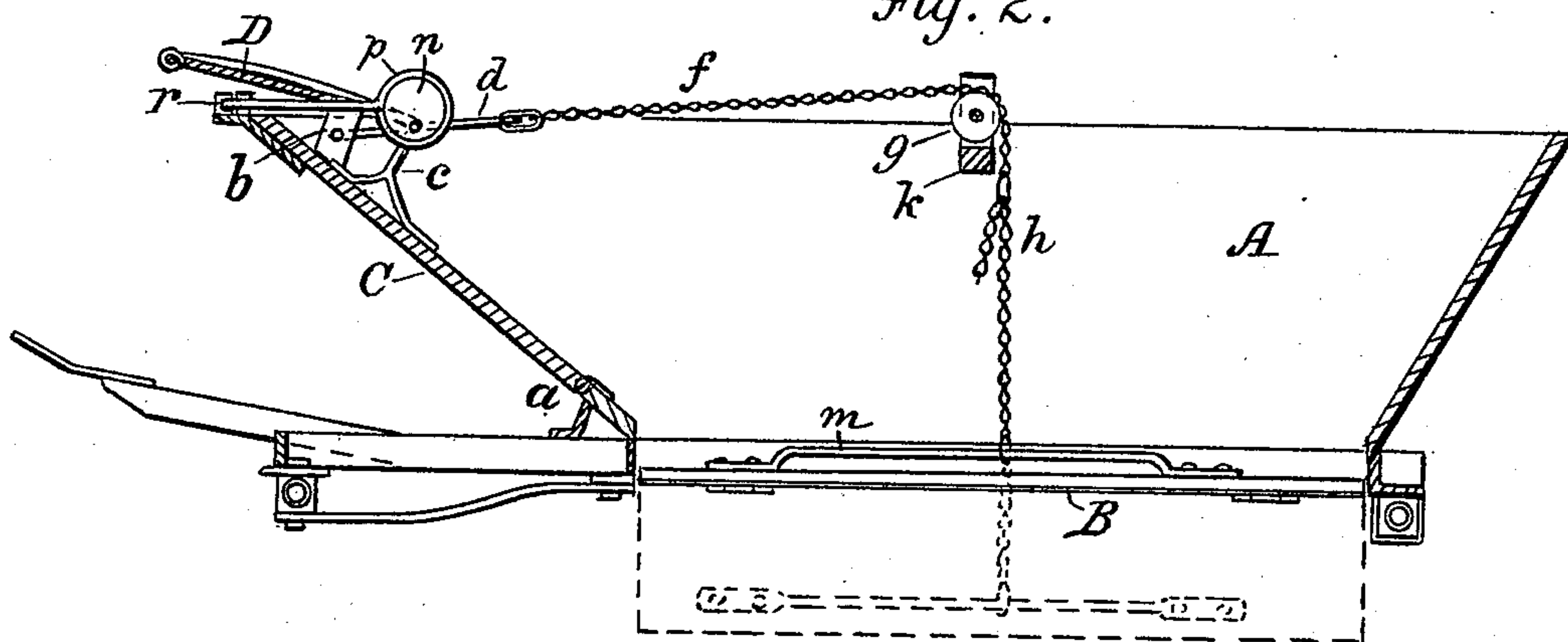
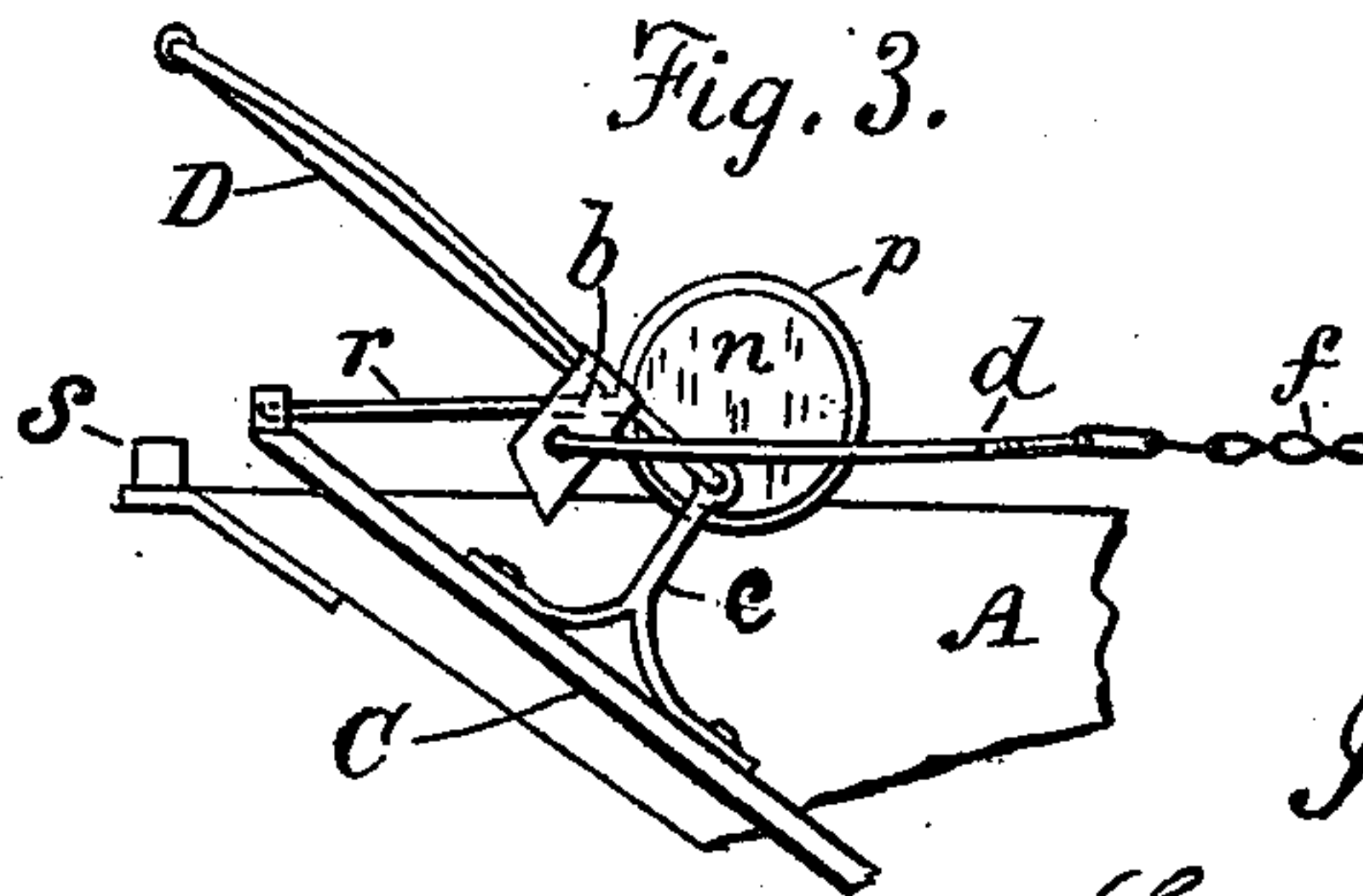


Fig. 3.



Witnesses:

D. Mahoney
G. B. Towles

Inventor:
Lewis C. Hicks
By W. T. Purris
Attorney -

UNITED STATES PATENT OFFICE.

LEWIS C. HICKS, OF ONAWA, IOWA, ASSIGNOR OF TWO-THIRDS TO JOSEPH GATTON AND MITCHELL VINCENT, OF SAME PLACE.

DUMPING-WAGON.

SPECIFICATION forming part of Letters Patent No. 441,662, dated December 2, 1890.

Application filed April 12, 1890. Serial No. 347,576. (No model.)

To all whom it may concern:

Be it known that I, LEWIS C. HICKS, a citizen of the United States of America, residing at Onawa, in the county of Monona and State of Iowa, have invented certain new and useful Improvements in Dumping-Wagons, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to dumping-wagons; and it consists in certain improvements in the construction of the same, as hereinafter described and claimed.

15 In the accompanying drawings, Figure 1 represents a plan view of a dumping-wagon provided with my improvements. Fig. 2 is a longitudinal vertical section of the same. Fig. 3 is a side view of certain parts.

20 A designates the wagon-box, which is preferably constructed in the form shown, narrowing somewhat from the top to the bottom. The bottom of the box A is formed of two lids B, which are hinged to the opposite sides, each lid extending to the center line of the 25 bottom, and are constructed to open downward for the purpose of discharging the contents. The forward end of the box is inclined downward and rearward and is provided with a lid C, which is hinged at *a*. On the lid C 30 at its upper edge is mounted the driver's seat D, which at its rear end is hinged or coupled to the supports *c*, which are fastened to the lid. On the edges of the seat D and somewhat forward from its rear end are two lugs *b*, which extend downward and are perforated to receive the ends of a bail or bent rod *d*, which is connected with said lugs. A chain 35 or cord *f* is connected with the bail *d* and extends rearward over a pulley *g*, and is connected by branching chains *h* with the fixed rods or loops *m*, which are fastened to the lids B at the bottom of the wagon-box. The pulley *g* is mounted on a bar *k*, which extends across the box A, the ends of said bar being 40 fixed to the sides of the box.

To the rear end of the seat D is fastened a grooved eccentric *n*, on which is placed a ring

p, which fits in the groove in the periphery of the eccentric, the latter having free movement in the said ring. From the ring *p* a rod 50 or bolt *r* extends forward under the seat D, and directly in front is an eye *s*, which is fixed to the box A in position to receive the said bolt *r*. It will be seen from this construction that when the seat D is in its closed 55 position, as seen in Fig. 2, the chain *f* is drawn, the bottom lids B are closed, the bolt *r* extends into the eye *s*, and the lid C is secured in its closed position; but when the seat is raised on its hinges (see Fig. 3) the bolt *r* 60 is withdrawn by the eccentric *n*, which moves with the seat, and the lid C may then be raised for the purpose of dumping. As the lid C is raised, the chain *f* being slackened, the lids B are pressed open by the weight of the con- 65 tents of the wagon, and the contents is allowed to fall out.

I claim—

1. In a dumping-wagon, the combination, with a wagon-box which is provided with two 70 lids at the bottom and a lid at its forward end, of a seat coupled to said forward lid and connected by a chain or cord with the bottom lids, an eccentric which is fastened to the said seat, and a securing-bolt which is connected 75 with and adapted to be actuated by the said eccentric, substantially as and for the purposes described.

2. The combination, with a wagon-box which is provided with bottom lids B and an end 80 lid C, of a seat D, which is coupled to the lid C and is provided with an eccentric *n*, a securing-bolt *r*, which is loosely connected with said eccentric, a chain connected with said seat and with the lids B, and a pulley *g* in 85 position to support said chain, substantially as set forth and described.

In testimony whereof I have affixed my signature in presence of two witnesses.

LEWIS C. HICKS.

Witnesses:

MITCHELL VINCENT,
S. B. MARTIN.