May 13, 1930. W. A. MILLER 1,758,457

UNLOADING DEVICE

Filed April 15, 1927

Fig. 1

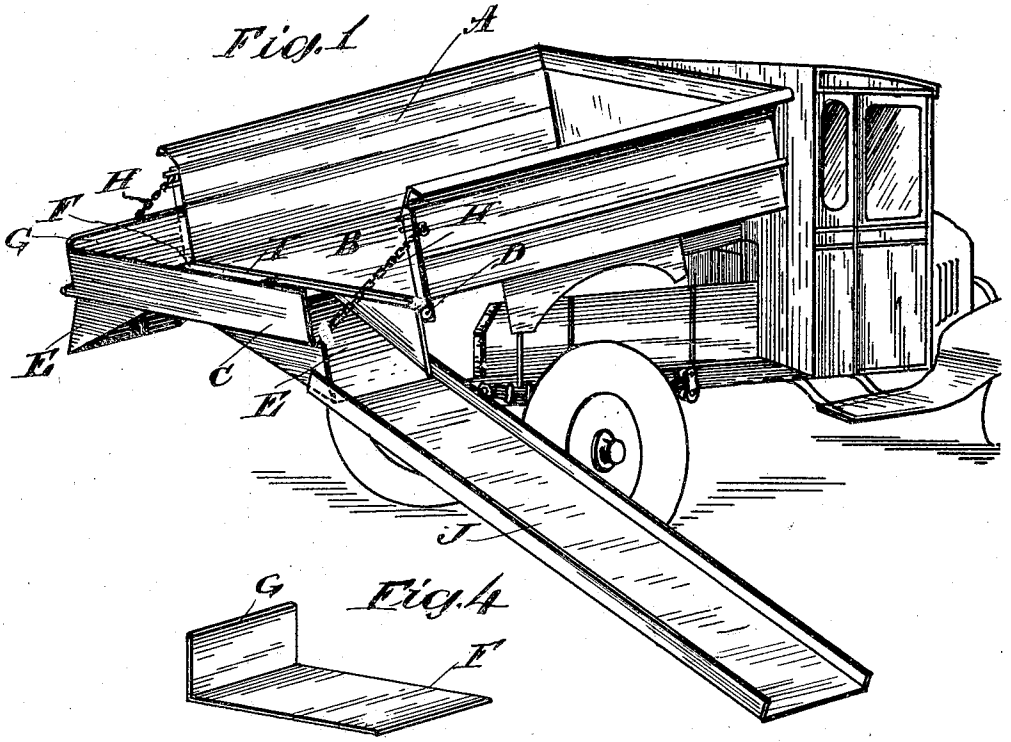


Fig. 4

Fig. 3

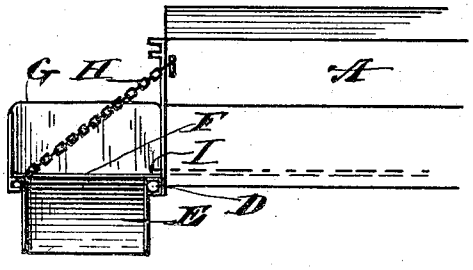
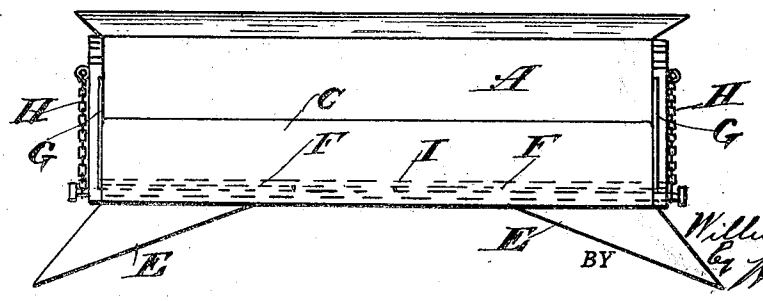


Fig. 2



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UNITED STATES PATENT OFFICE

WILLIAM A. MILLER, OF LORAIN, OHIO, ASSIGNOR OF THREE-EIGHTHS TO ALLAN C. RYAN AND THREE-EIGHTHS TO ANDREW A. BARTLETT, BOTH OF LAKEWOOD, OHIO

UNLOADING DEVICE

Application filed April 15, 1927. Serial No. 183,958.

The objects of the invention are to provide a discharging end gate for a dumping truck, such as a coal truck, said gate being provided with a delivery chute on each side thereof, thus permitting the operator to discharge his load from either side of the end of the truck, which facilitates the delivery of materials such as coal, gravel or cinders, or similar materials in a narrow alley or drive where it would de difficult or impossible to back the truck into a dumping position.

The device includes an end gate hinged to the floor or sides of the truck, and having a side delivery opening at each end thereof and an inclined spout leading thereto and also includes the provision of means for covering the opening at the end not in use while delivery is being made at the other end.

The invention also includes the combination and arrangement of parts and construction of the various details hereinafter described, illustrated in the accompanying drawings and specifically pointed out in the claims.

In the accompanying drawings, Fig. 1 is a perspective of the device showing the end gate lowered for dumping to one side of the truck and the other end of the gate closed to prevent the escape of material from that side of the truck; Fig. 2 is an end elevation of the device; Fig. 3 is a side elevation thereof and Fig. 4 is a perspective of one of the sliding guards.

In these views, A, is the body of the truck; B, the floor; C, the end gate which is hinged at D, adjacent to the end of the floor, and preferably slightly below the same, for the reason that will hereinafter appear; E, E, are outwardly inclined chutes formed in the ends of the gate, through which the material is selectively discharged, the discharge being controlled by means of detachable sliding guards F, F, of angular shape, having end portions G, G, which cover the outer openings of the chutes when the gate is raised.

When the gate is lowered, the guard plate adjacent to that side from which the delivery is to be made is removed to permit the material to run out of the corresponding chute. Chains H, H, support the end board when lowered.

One edge of each sliding guard plate when in use is preferably inserted beneath the floor of the car at I thus permitting the material to shoot over the guard plate.

An ordinary delivery chute J is attached to the open end of the end gate to direct the material where desired.

Having described the invention what I claim as new and desire to secure by Letters Patent is:—

1. In a dump wagon, a hinged end gate having an integral side dumping chute at each side thereof and guard means detachably securable over the opening in each chute, said guard means being slidingly movable over said opening.

2. In a dump wagon, an end gate hinged at its lower edge to the floor of said wagon, said gate being constructed to form laterally directed chutes, detachable plates covering the open ends of said chutes and sliding plates covering the open tops of said chutes.

In testimony whereof I affix my signature.

WILLIAM A. MILLER.