

No. 632,130.

Patented Aug. 29, 1899.

F. LOOS.
DUST CART.

(Application filed Sept. 4, 1897.)

2 Sheets—Sheet 1.

(No Model.)

Fig. 1.

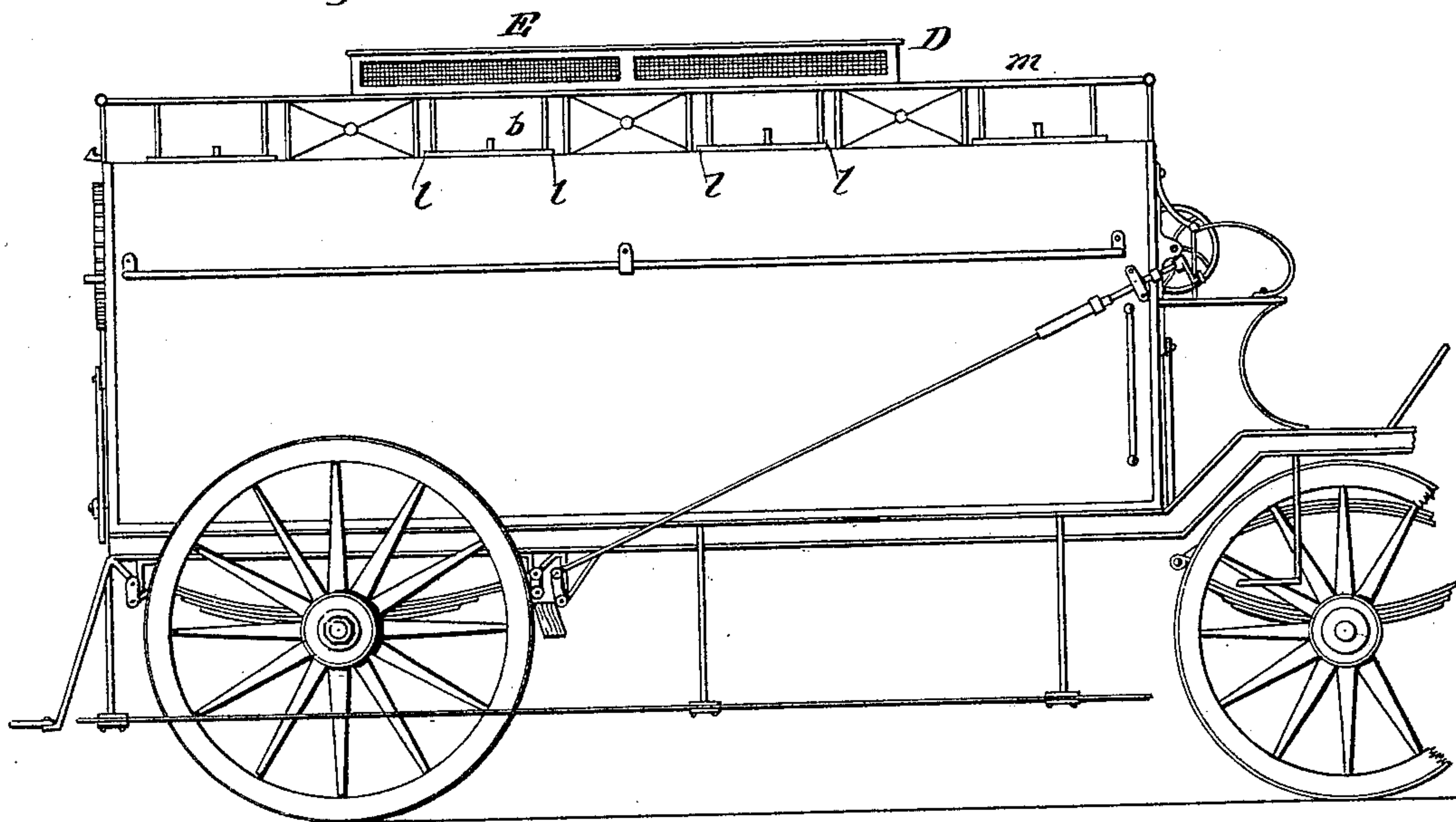
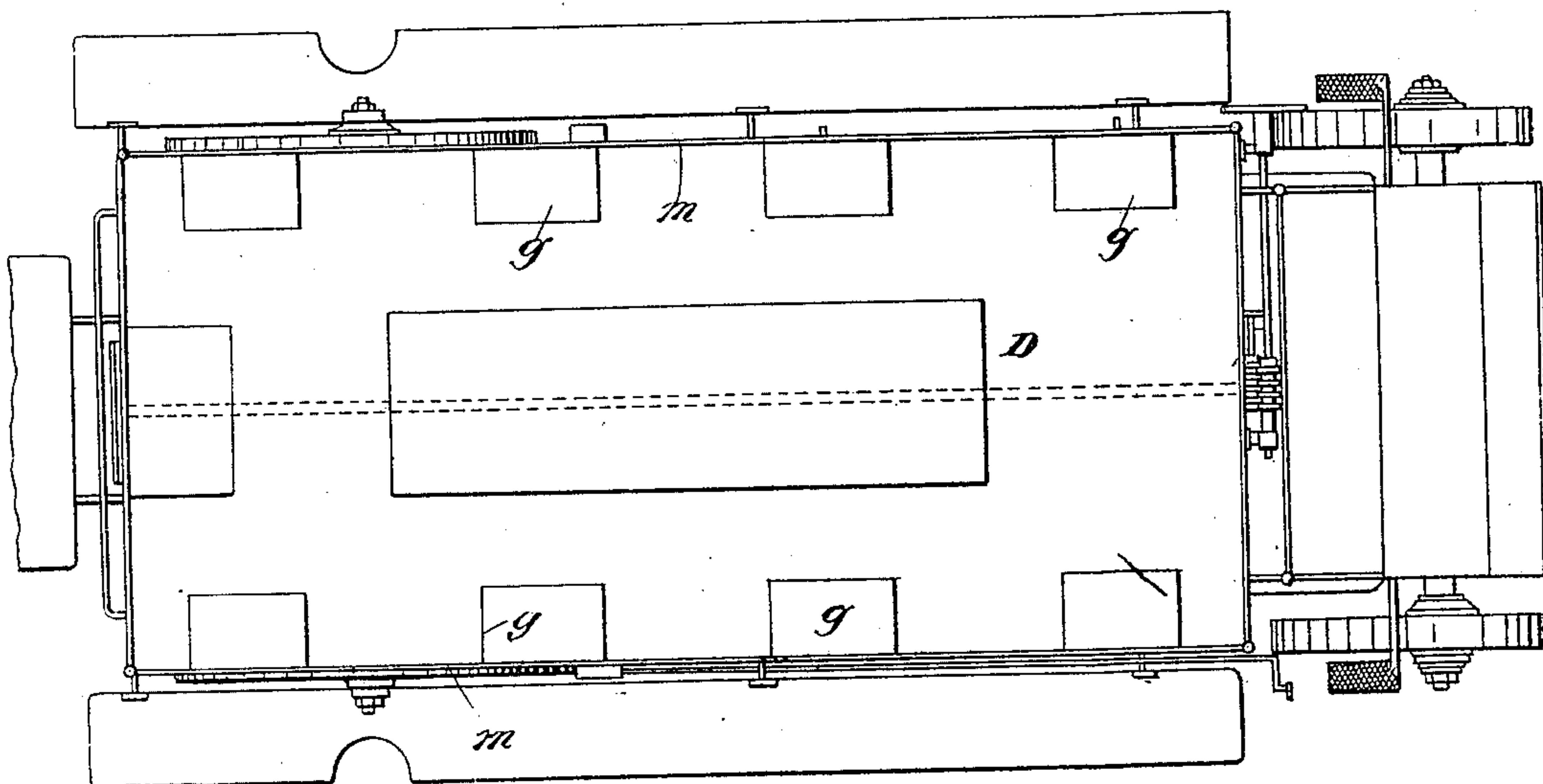


Fig. 2.



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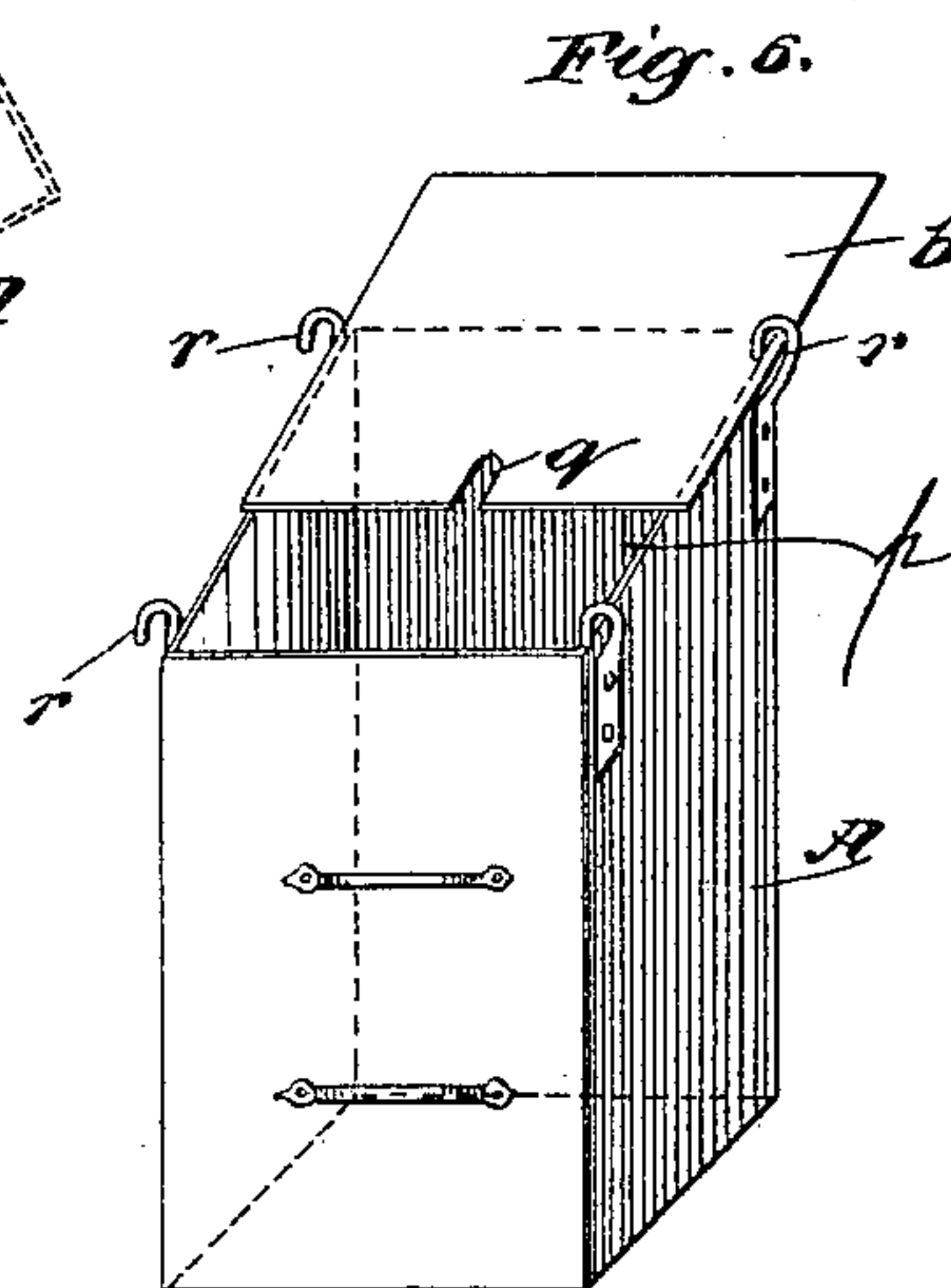
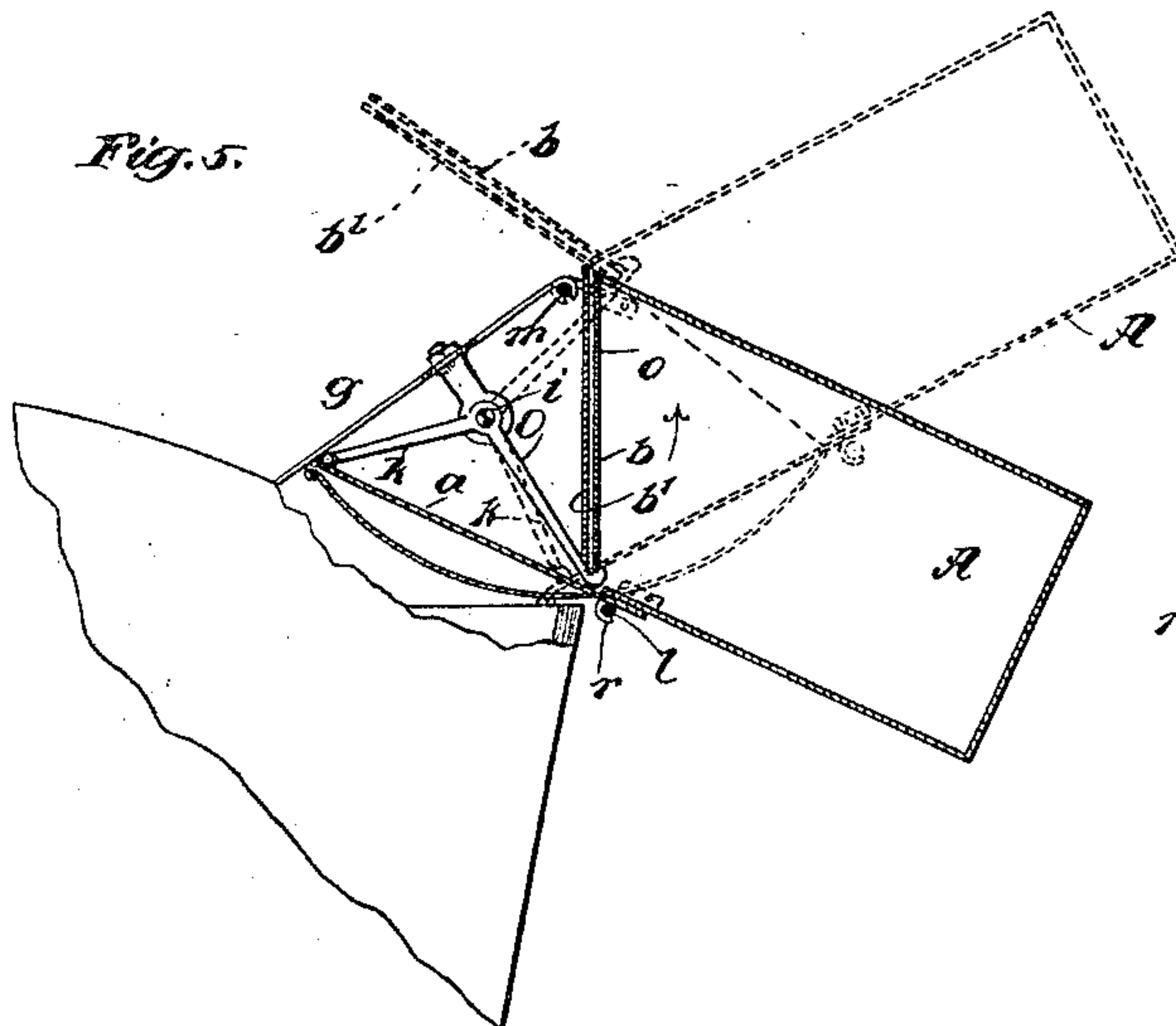
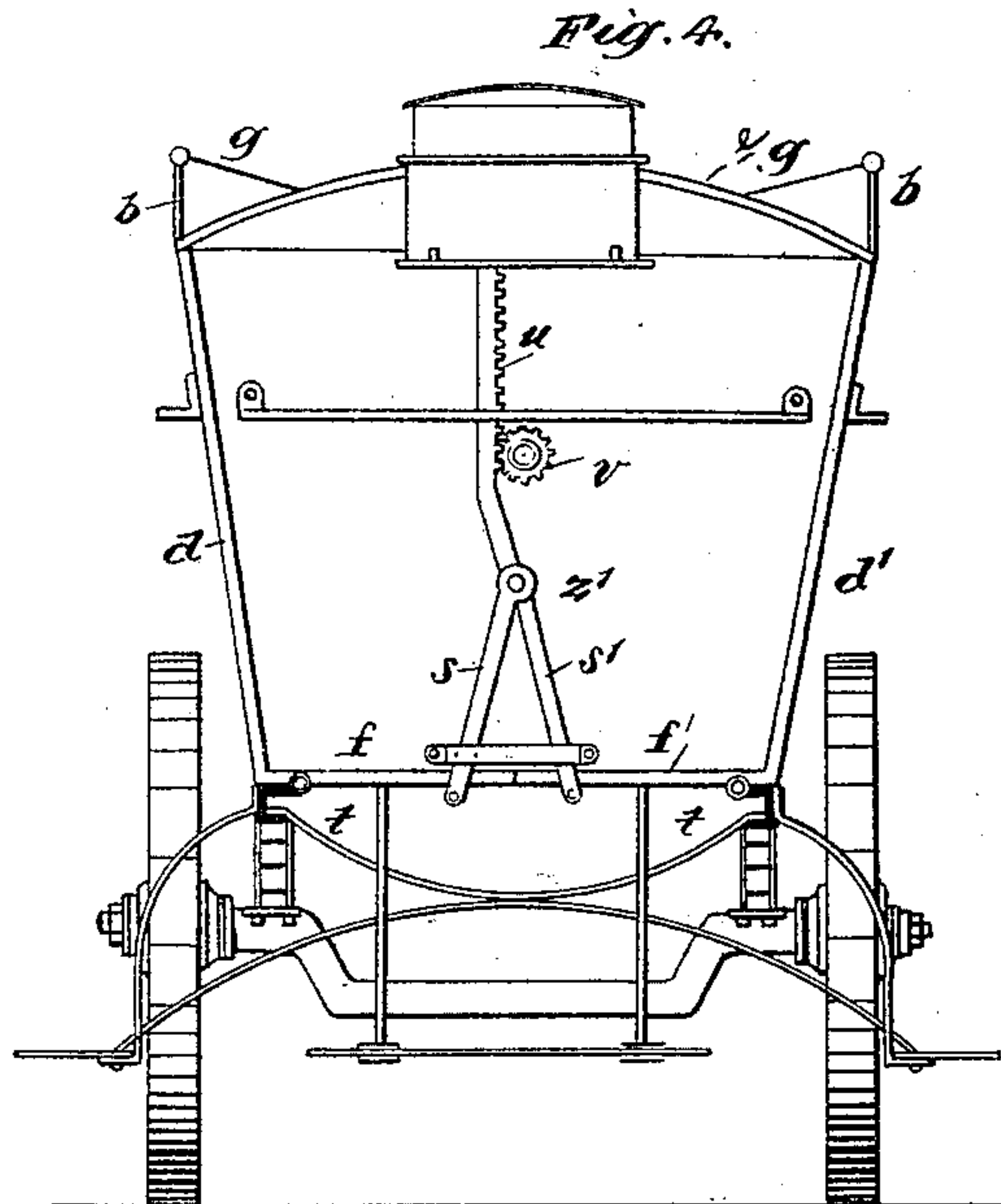
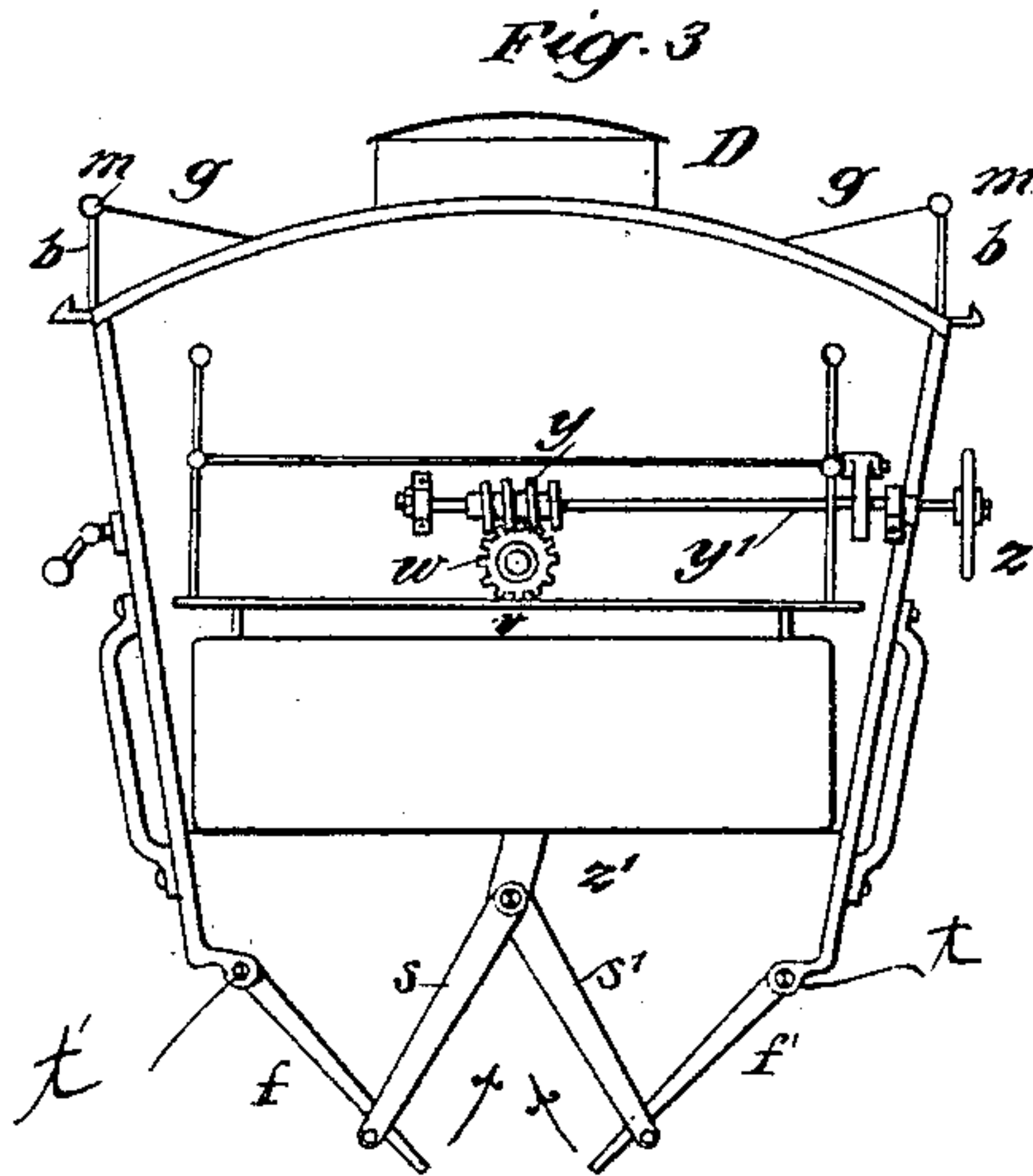
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2 Sheets—Sheet 2.



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UNITED STATES PATENT OFFICE.

FRANZ LOOS, OF CARLSBAD, AUSTRIA-HUNGARY.

DUST-CART.

SPECIFICATION forming part of Letters Patent No. 632,130, dated August 29, 1899.

Application filed September 4, 1897. Serial No. 650,669. (No model.)

To all whom it may concern:

Be it known that I, FRANZ LOOS, a subject of the King of Bohemia, and a resident of Carlsbad, Bohemia, Austria-Hungary, have invented a certain new and useful Dust-Cart, of which the following is a specification.

The object of this invention consists of a dust-cart which enables the transport of ashes, dust, &c., and can be filled without causing unpleasant dust and which also permits the automatic emptying of the cart at the desired place.

On the accompanying drawings, representing this invention, Figure 1 is a side elevation of the cart; Fig. 2, a plan of the same; Fig. 3, a front elevation; Fig. 4, a back elevation. Fig. 5 is a partial section on line xx of Fig. 2. Fig. 6 represents a dust-box with the cover half removed.

The cart proper consists of side walls $d d'$, cover e , and movable bottom $f f'$. To the cover of the cart prismatic boxes g are arranged on both sides. These boxes possess a movable side or wall b' and also a movable double bottom a . The latter is securely connected with the arm k of a bell-crank lever, the other arm of which is hook-shaped at the end and projects through an opening in the wall b' .

The dust-boxes (see Fig. 6) serve for transporting the dust to the cart and are rectangular in cross-section, being so arranged that the covers b are disposed angularly to the bottoms of the boxes. These covers are movable in their own plane upon rails p . Each box is provided at each upper corner thereof with a hook r . These hooks upon the above-mentioned dust-boxes respectively engage rods l and a rod m , the latter being secured to the cart at the top of the boxes g and the rods l being secured, respectively, to the outer edges of the bottoms of the boxes g and all of the rods being arranged horizontally. When one of the dust-boxes is to be emptied, two of the hooks r thereof are hung upon the rod m and the other two hooks r are hung upon one of the rods l . (See the rod of Fig. 5.) If now the dust-box be raised, the box will swing on the rod m , and the bottom a of the coacting box g is drawn out. The hooked arm of the bell-crank lever, which will have been previously projected through an opening q in the

cover of the dust-box, causes this cover with the cover b of the prismatic box g to be moved upwardly, so that both the dust-box and the box g are opened. By these means communication between the box and the interior of the cart is opened and the bottom a is closed tight against the dust-box, so that it forms a bridge between the latter and the box g . The contents of the dust-box can then pass unhindered into the cart. After the emptying has taken place the dust-box is again turned downward, whereby the bottom a as also the two covers b and b' are again closed. A double closure of the contents of the cart is thus produced. The dust-box is then of course removed.

To enable the emptying of the cart at the desired place, the bottom is made in two parts f and f' , which turn on hinges t and t' . Upon the front and back walls of the cart the two parts are connected with a rack u by means of rods s and s' . This rack is engaged by a gear w . The gear of the front wall is connected with that of the back wall by means of a spindle v . In the front gear there is a worm which is actuated by a hand-wheel z . Upon emptying the cart the rack is lowered so that the contents can pass freely out, Figs. 3 and 5.

To enable the escape of the air upon filling the cart, the cover of the same is provided with a longitudinal crown or projection, the side walls of which are formed by wire of fine mesh.

The principal advantage of this cart consists in the fact that in consequence of the construction of the box g the cart can be filled without causing the slightest dust.

Having now described my inventing, what I claim as new, and desire to secure by Letters Patent, is—

1. A dust-cart having a box formed thereon and constituting a dust-inlet to the cart, the box having two movable walls, a bell-crank lever mounted in the box and means connecting the bell-crank lever with the walls whereby to move the walls in unison.

2. In a dust-cart the combination with the cart proper having a prismatic box formed thereon, of a sliding cover, a sliding bottom, a bell-crank lever mounted in the box and connected with the bottom and serving to

transmit movement to the cover, a dust-box having means by which it may be connected with the prismatic box to swing thereon and also having means by which it may be connected with the bottom of the prismatic box to draw said bottom outward, and a sliding cover for the dust-box, the said sliding cover of the dust-box being capable of engagement with the bell-crank lever so that the two covers are moved outwardly in unison.

3. In a dust-cart, the combination with the cart proper having a portion forming a dust-inlet, of a sliding bottom for said portion, a sliding cover for said portion, a bell-crank lever mounted on the cart and having connection with the said bottom and cover, a dust-box and a sliding cover for the dust-box, the dust-box being capable of swinging on the dust-cart and of making connection with the said sliding bottom, the cover of the dust-box being engaged with the bell-crank lever.

4. In a dust-cart, the combination with a body portion or cart proper having means

forming a dust-inlet, of a sliding bottom for the said means, a sliding cover for the said means, a rod secured to the cart adjacent to said means, a second rod secured to the said bottom, and a connection between the bottom and the cover, a dust-box having hooks adapted to engage with the said rods, and a sliding cover for the dust-box, the cover of the dust-box being adapted to lie alongside of the cover of the said means for forming the dust-inlet.

5. A dust-cart and means forming an inlet therefor, two covers slidably mounted on the cart and serving to close said inlet, and a lever mounted on the cart and having connection with the two covers to move the same in unison to open or closed position.

In witness whereof I hereunto set my hand in presence of two witnesses.

FRANZ LOOS.

Witnesses:

ANTON FÜGERL,
IGNAZ JULIUS JUTHA.