

M. C. MYERS.

CART.

APPLICATION FILED JUNE 24, 1909.

963,720.

Patented July 5, 1910.

2 SHEETS—SHEET 1.

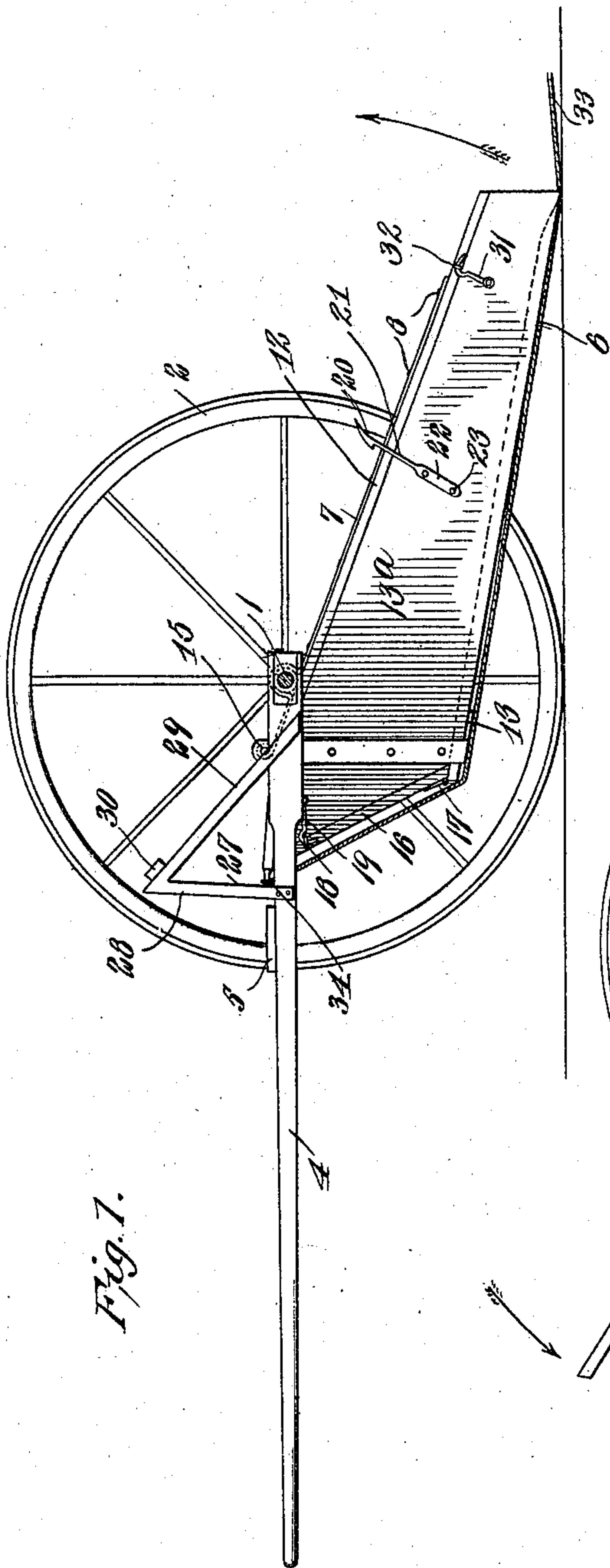


Fig. 1.

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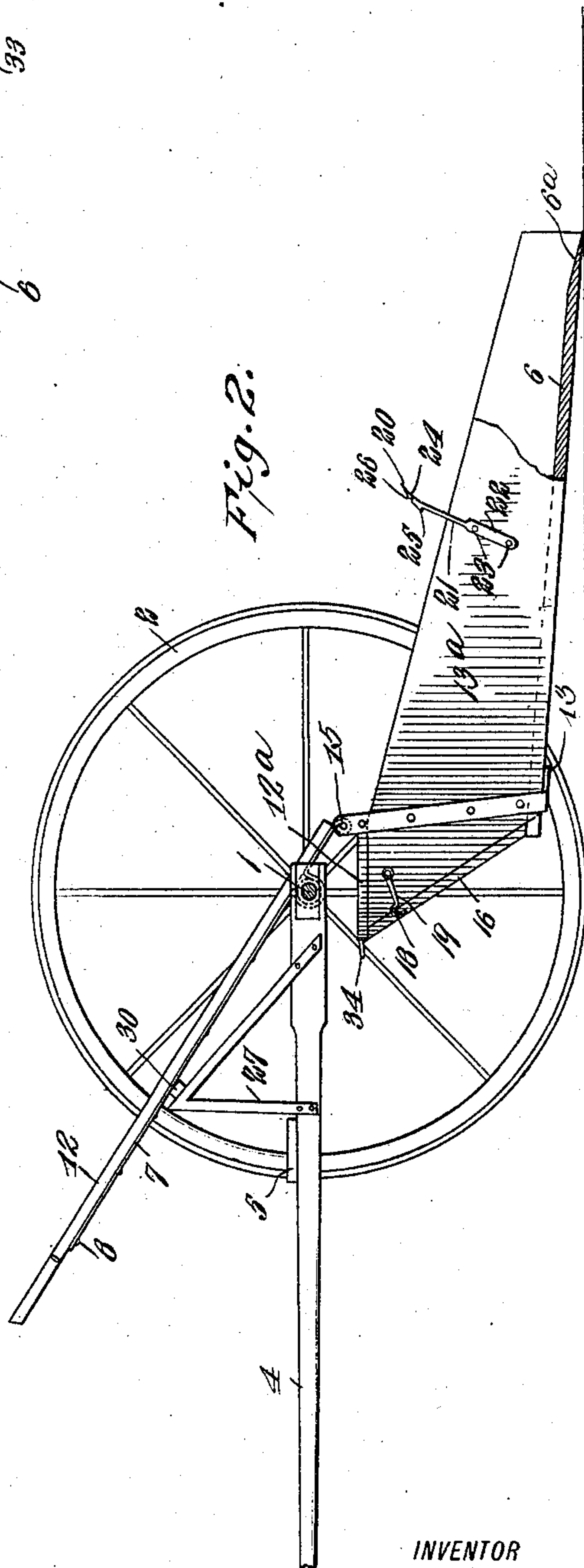


Fig. 2.

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2 SHEETS—SHEET 2.

Fig. 3.

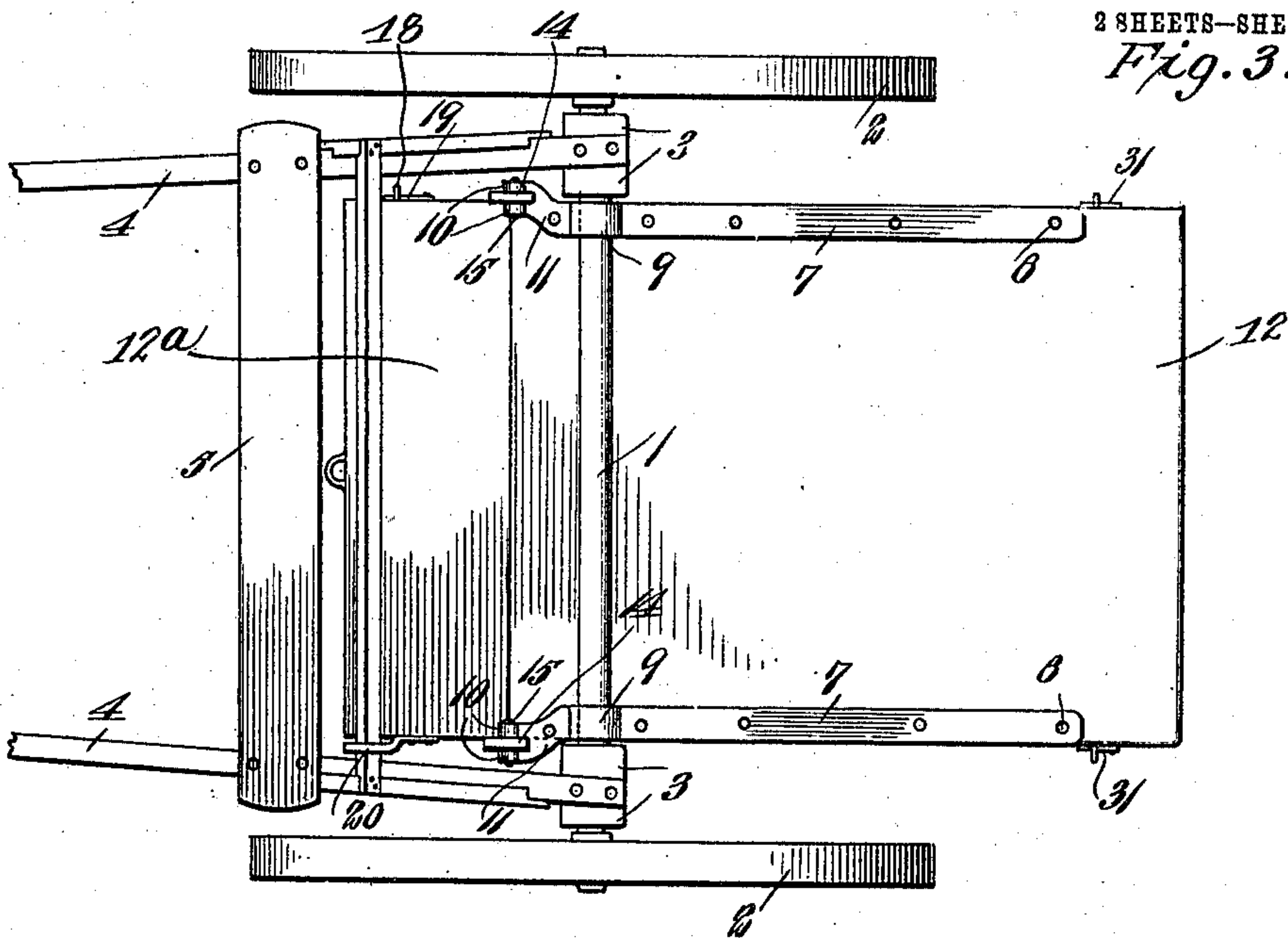
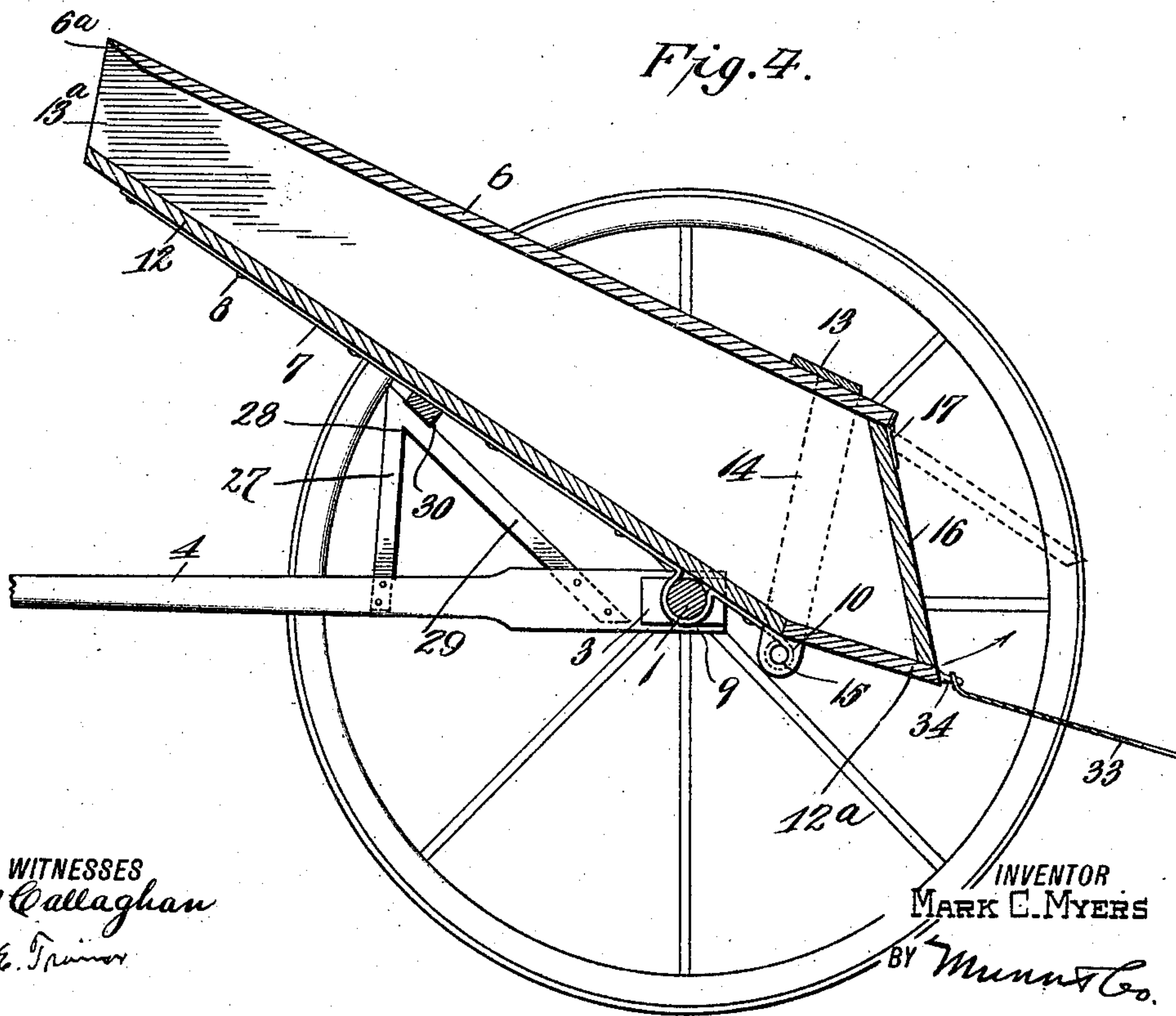


Fig. 4.



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# UNITED STATES PATENT OFFICE.

MARK C. MYERS, OF RENO, NEVADA.

CART.

963,720.

Specification of Letters Patent.

Patented July 5, 1910.

Application filed June 24, 1909. Serial No. 504,126.

*To all whom it may concern:*

Be it known that I, MARK C. MYERS, a citizen of the United States, residing at Reno, in the county of Washoe and State of Nevada, have made certain new and useful Improvements in Carts, of which the following is a specification.

My invention is an improvement in carts, and consists in certain novel constructions and combinations of parts hereinafter described and claimed.

The object of the invention is to provide a device of the class described, which may be placed close to the ground for loading, thus dispensing with the necessity of elevating the material, and which after loading will be elevated out of contact with the ground by the act of closing the lid, and which may be inverted for removal and to bring the cart into position for unloading.

Referring to the drawings forming a part hereof: Figure 1 is a side view of the cart in position for loading with the lid closed, Fig. 2 is a similar view with the lid open, Fig. 3 is a plan view, and Fig. 4 is a longitudinal section with the body in dumping position.

The embodiment of the invention shown in the drawings comprises a shaft or axle 1, upon each end of which is journaled a wheel 2, and adjacent to each wheel is journaled a block 3, to each of which is connected a shaft 4, the shafts being connected by a cross bar 5.

The body of the cart consists of sides 13<sup>a</sup>, and a bottom 6—whose free edge is beveled as at 6<sup>a</sup>, and a cover to be presently described in detail. A plate 13 is arranged transversely of the bottom, near the end adjacent to the axle and the ends of the plate are reduced to form arms 14, which lie alongside the sides 13<sup>a</sup> of the body.

The free ends of the arms are perforated, and are received between spaced bearings 10, on the ends of straps 7, which are secured to the cover 12 at each side thereof by screws or rivets 8, the ends of the straps being bent outwardly as shown at 11, and the bearings and perforations are traversed by bolts or rivets 15 for securing the parts together.

The cover 12 rests upon the edges of the sides, when the body is in the position shown in Fig. 4, and the straps 7 before mentioned are each provided with a second bearing 9 in which the axle is journaled, the cover being thus mounted for swinging movement on the axle, while the body is mounted for swing-

ing movement on the cover. A board or plate 12<sup>a</sup> is arranged transversely of the body and in abutting relation with the end of the cover, and the said plate assists in closing the top of the body.

A door or gate 16 is hinged to the end of the bottom adjacent to the axle by hinges 17, and the free edge of the door rests against the free edge of the plate. The door is provided at each side with screw eyes 18, which are engaged by hooks 19, pivoted to the sides 13<sup>a</sup> of the body, for retaining the gate in closed position.

The cover 12 is retained in closed position by means of catches 20, each comprising a resilient body portion 21, provided at one end with a flattened portion 22 secured to the sides of the body by screws 23, and a head 24, having a flat face 25 for engaging the cover, and a beveled face 26 for engagement by the cover as it is closed to force the head to one side, the whole forming an automatic catch.

A bracket 27 is arranged on each shaft, the said brackets each having a vertical face 28, and an inclined face 29, upon which the cover is adapted to rest as shown in Fig. 2, the brackets being connected by a cross bar 30 for receiving the direct weight of the cover and the body, when elevated.

In using the improved cart, the body is arranged as shown in Fig. 2, with the free end thereof resting upon the ground, and with the cover open and resting upon the cross bar. The cart is loaded by shoveling or pushing the material into the body and when full, the cover is closed as shown in Fig. 1. The act of closing the cover, elevates the body of the cart from the ground, the cover acting as a lever whose fulcrum is the axle, the weight being the cart body pivoted to the cover by the bolts 15. When the cover swings in the opposite direction to the arrow in Fig. 2, the body is swung downward and forward and thence upward, with the attached end thereof between the shafts as shown in Fig. 2. In order to more easily transport the cart load, the body is then rotated on the axle to the position shown in Fig. 4, and when the dumping place is reached, the hooks 19 are released, thus permitting the weight of the load to open the gate 16, through which the load passes. In order to retain the cover more securely in position, an additional pair of hooks 31 are provided, one being pivoted to each side of



the body, near the free end thereof, and the cover is provided with screw eyes 32 for engagement by the hooks.

It will be evident from the description, that the improved cart although simply constructed, is very efficient and capable of hard service. It may also be cheaply constructed, and is not liable to get out of order easily, since there are no complicated parts, every part being capable of replacement by the ordinary repair shop.

A cable or other flexible strand 33 is connected with the end of the cart body adjacent to the axle as at 34, to assist in swinging the said body into the position shown in Fig. 4, and is made use of as follows. When the cart is loaded, and the cover closed, the cable is secured by its free end to a stake or other fixed support, when the cart is moved forward the traction of the cable rotates the body on the axle into the position shown in Fig. 4.

I claim:

1. A device of the character specified, comprising an axle, wheels journaled on the axle, shafts pivoted to the axle, a body comprising a bottom and sides, a gate hinged to the bottom and normally closing one end, a substantially U-shaped hanger arranged transversely of the bottom near the normally closed end, the arms of the hanger projecting above the sides, a cover for the body hinged between the arms, a pivotal connection between the cover and the axle intermediate its ends, means for locking the cover to the

body, and a support for the body on the shafts.

2. A cart comprising an axle, wheels on the ends thereof, a cover provided with transverse bearings adjacent to one end, and in which the axle is journaled, a body having open ends, hinged to the said end of the cover, a gate hinged to the bottom of the body and closing the end adjacent to the axles, a resilient catch for the cover, and hooks for securing the gate in closed position.

3. A cart comprising an axle, wheels on the ends thereof, shafts connected with the axle, a cover provided intermediate its ends with bearings in which the axle is journaled, a body having open ends hinged intermediate its ends to the end of the cover, a gate for closing one of the ends, means for retaining the cover and gate in closed position, and a support on the shafts for the cover when open.

4. A cart comprising an axle, wheels on the axle, a body, a cover for the body, a pivotal connection between the axle and the cover, near one end of said cover, a hinged connection between the said end of the cover and the body, means whereby said body and cover may be swung over above the axle, and a support on the axle therefor.

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Witnesses:

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