

No. 607,048.

Patented July 12, 1898.

W. A. JOHNSON.
TRUCK.

(Application filed Nov. 26, 1897.)

(No Model.)

Fig. 1.

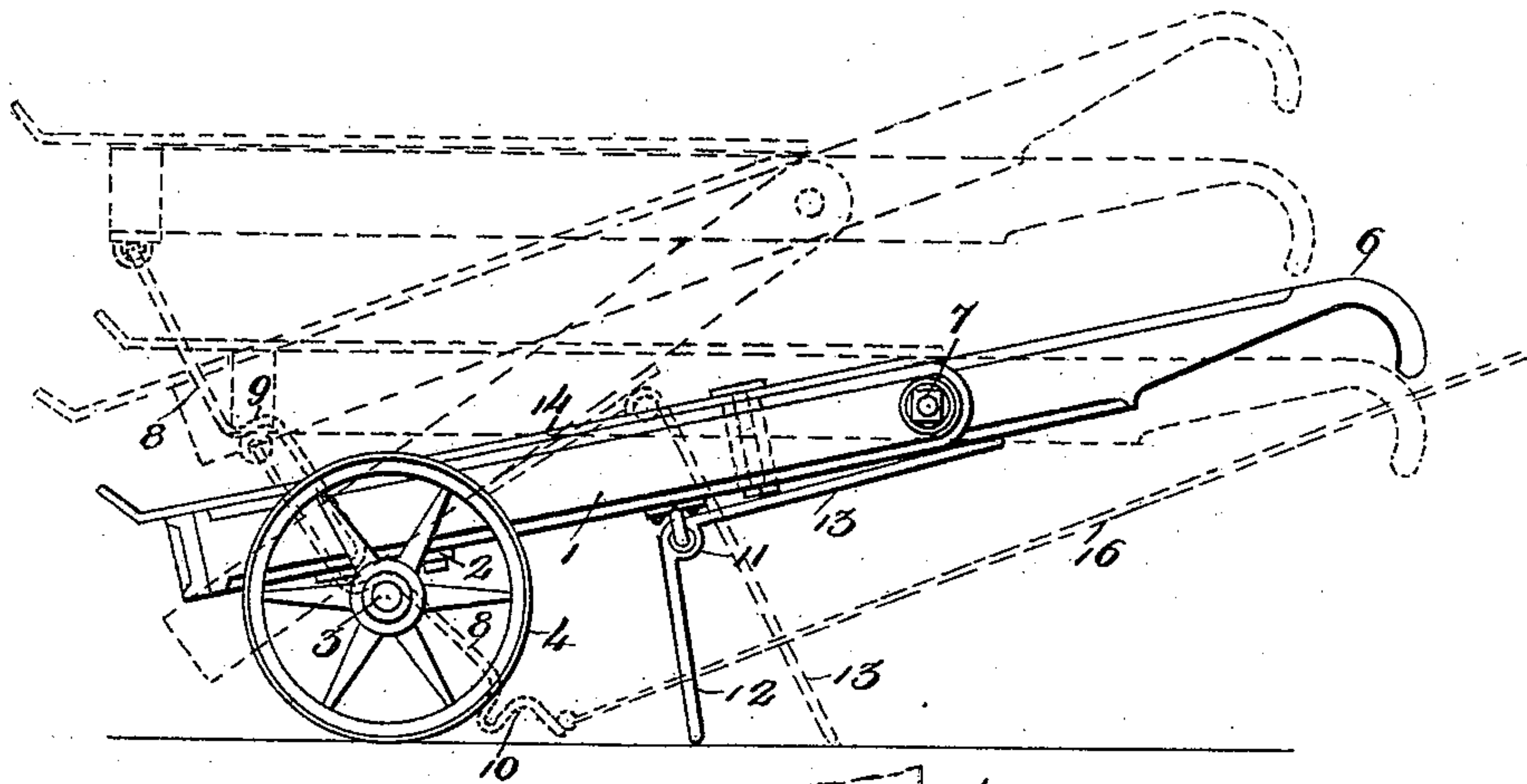


Fig. 2.

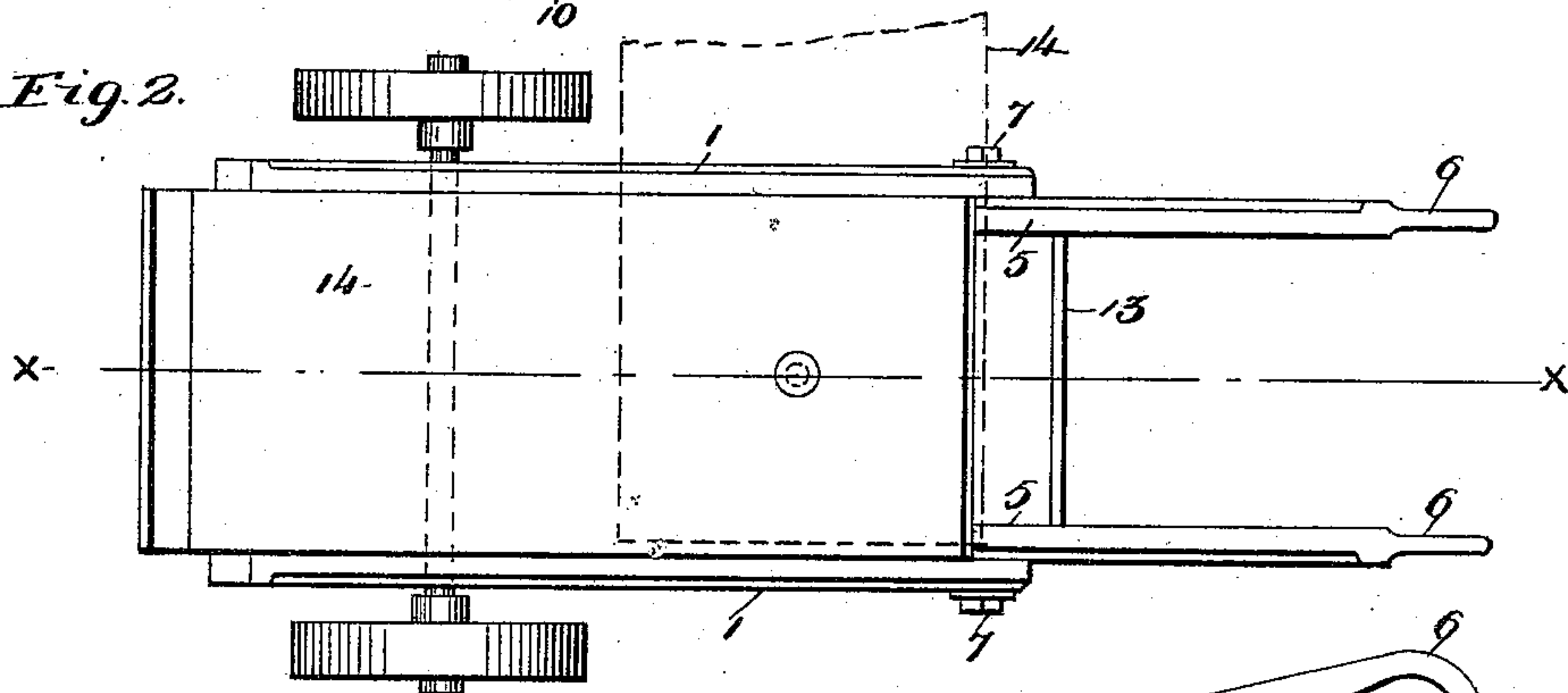
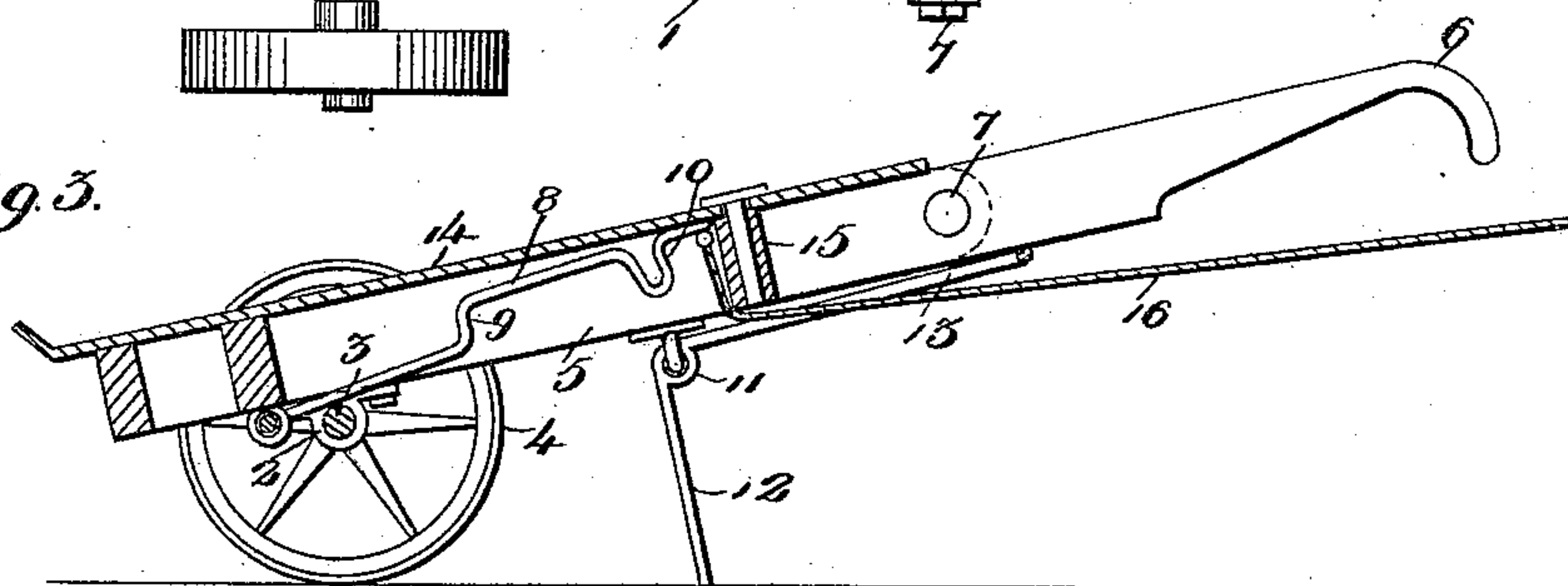


Fig. 3.



WITNESSES:

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TRUCK.

SPECIFICATION forming part of Letters Patent No. 607,048, dated July 12, 1898.

Application filed November 26, 1897. Serial No. 659,862. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. JOHNSON, a citizen of the United States, residing at Kahoka, in the county of Clark and State of Missouri, have invented certain new and useful Improvements in Trucks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in trucks; and it consists in the novel combination and arrangement of parts, more fully set forth and described in the specification and pointed out in the claim.

In the drawings, Figure 1 is a side elevation of my complete invention, showing in dotted lines the various elevated positions of the truck. Fig. 2 is a top plan view of the same, showing in dotted lines the pivoted platform for same in a turned position; and Fig. 3 is a vertical longitudinal section taken on the line *x x* of Fig. 2.

The object of my invention is to construct a truck whereby a trunk, box, or other object once placed on its platform can be easily and quickly elevated a suitable height or on a level with the floor of a car, thereby dispensing with the laborious and bodily handling of the trunk.

Briefly stated, the invention consists of an outer frame, an axle journaled on the same and provided with wheels, a second inner frame provided with handles and hinged or pivoted to the forward ends of the first-named frame, a swinging device provided with shoulders adapted to cooperate with said axle for holding the forward end of the last-named frame in any desired elevation, rigid legs of different lengths and arranged at approximately right angles to one another, also hinged to the last-named frame at a point between the hinged point of the frames and the swinging device, a chain or rope attached to the swinging device for pulling the same in one direction or releasing it from the axle, and a pivoted platform movably fixed to the inner frame, whereby the object located thereon may be turned in any position.

Referring to the drawings, 1 represents a U-shaped outer frame, to the lower forward surface of which are secured bearings 2, which receive the axle 3 for the wheels 4.

The outer U-shaped frame 1 snugly but loosely receives a second inner U-shaped frame 5, the outer projecting ends of which terminate in handles 6, by means of which the truck is handled.

The inner and outer frames 1 and 5, respectively, are hinged together by means of bolts 7, passed through the outer frame, adjacent to the ends thereof, and the inner frame at a suitable point intermediate of its ends. Hinged to the forward lower end of the inner frame 5 is a swinging locking device 8, having two sets of shoulders 9 and 10 at different positions along its length, which shoulders are adapted to cooperate or rest automatically upon the axle 3 when the handles 6 are pressed down for elevating the forward end of the inner frame 5. To the bottom of the inner frame 5 and at a suitable point between its hinged connection to the outer frame 1 and its forward end is hinged a support 11, composed of two sets of legs 12 and 13, one set being shorter than the other and which when brought in contact with the ground form a fulcrum for the inner frame for elevating the latter at a suitable elevation.

To the inner frame 5 is pivoted the platform 14 by means of a bolt passing through the said platform and through the cross-piece 15, forming a rigid part of the inner frame, whereby the trunk or other object can be turned in any desired position to bring the handle of the trunk in easy reach.

In carrying out my invention in an operative and effective manner the various parts comprising the truck are normally in the position shown in solid lines, Fig. 1, in which position the trunk to be moved to the car is handled in the usual manner. After the trunk is loaded on the truck and the same wheeled to a position adjacent or below the car-door the short legs 12 of the support 11 are first brought in contact with the ground, and the first raise is made by bearing down on the handles 6 of the inner frame 5, whereby the forward end of said frame will be elevated to a height until the first set of shoulders 9 of the swinging device 8 rest on the axle 3. Should a still further raise be necessary, the long legs 13 of the support 11 are then brought in contact with the ground by lifting on the handles 6, and then by again pressing down

on the said handles the second raise is made, again elevating the forward end of the inner frame from its inclined position, whereby the second set of shoulders 10 will automatically
5 rest on the axle 3 and hold the said frame and parts in the position shown in dotted lines, Fig. 1, and the trunk in a suitable elevated position. After the trunk has been elevated the pivoted platform upon which it rests is
10 turned to bring the handle of the same opposite to the person in the car, and the trunk is then shoved or pulled off the truck.

To the swinging locking device 8 is attached one end of a chain or rope 16, the opposite
15 end being in easy reach of the operator for releasing the same from its locked position with the axle after the trunk has been loaded on the car and cause the various parts comprising the truck to assume their normal posi-
20 tions.

Having fully described my invention, what I claim is—

A truck comprising an outer frame, an axle journaled on the same and provided with

wheels, a second inner frame provided with 25 handles and hinged or pivoted to the forward ends of the first-named frame, a swinging device carried by said inner frame and provided with shoulders adapted to cooperate with said
30 axle for holding the forward end of the last-named frame in any desired elevation, rigid legs of different lengths and arranged at approximately right angles to one another also hinged to the last-named frame at a point
35 between the hinged point of the frames and the swinging device, a chain or rope attached to the swinging device for pulling the same in one direction or releasing it from the axle, and a pivoted platform movably fixed to the
40 inner frame whereby the object located thereon may be turned in any position, substantially as described.

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

WILLIAM A. JOHNSON.

Witnesses:

J. M. HAYS,
BEN SMITH.