

Aug. 13, 1946.

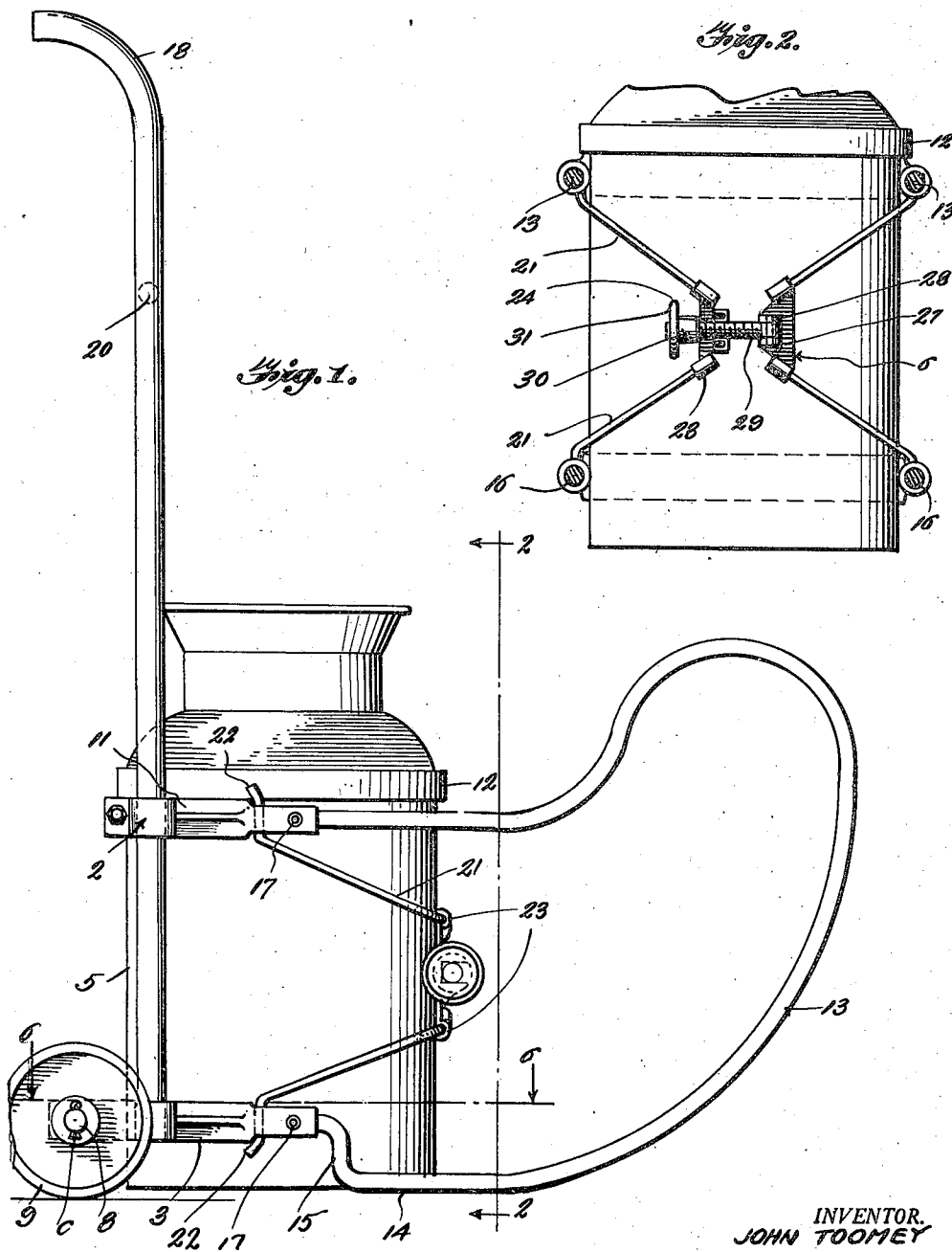
J. TOOMEY

2,405,862

DISPENSING TRUCK

Filed June 15, 1945

3 Sheets-Sheet 1



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3 Sheets-Sheet 2

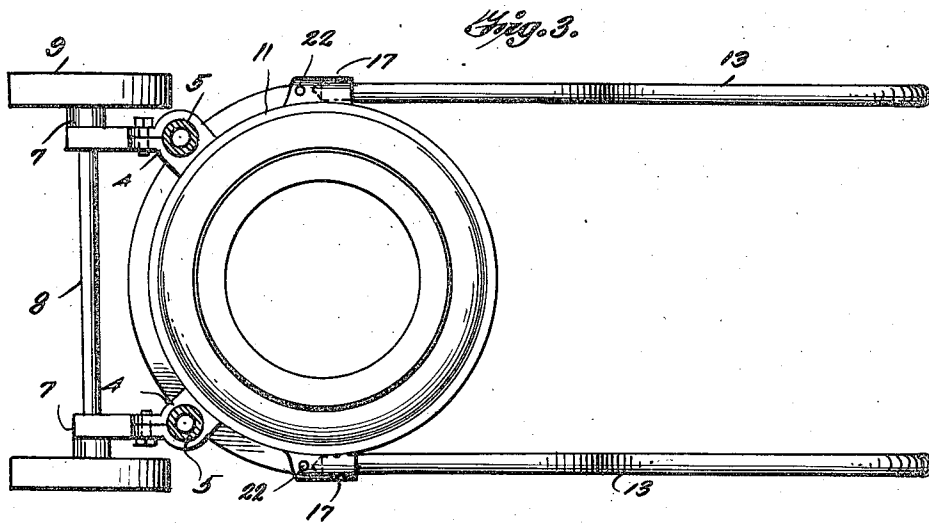


Fig. 4.

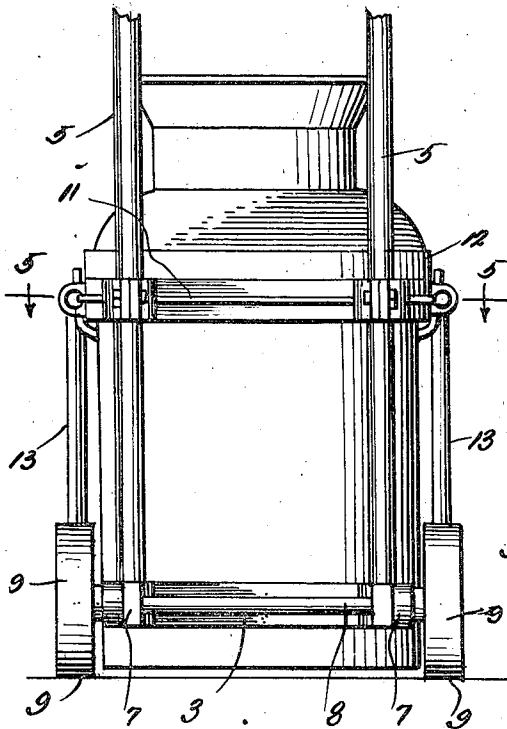
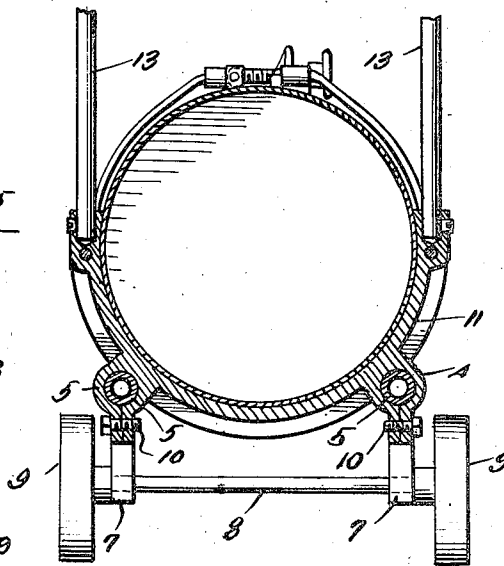


Fig. 5.



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Fig. 6.

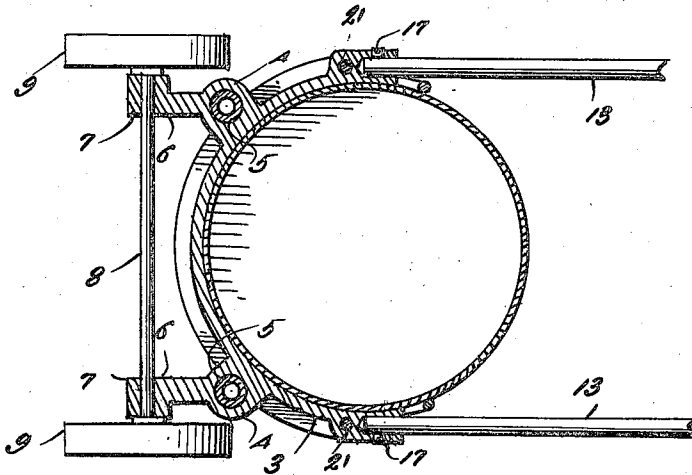


Fig. 7.

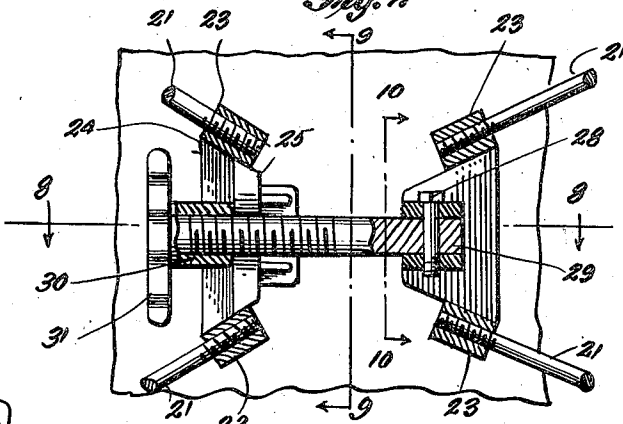


Fig. 9.

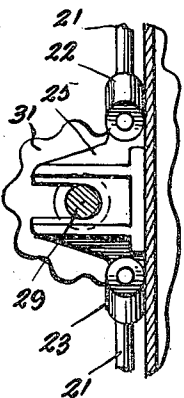


Fig. 8.

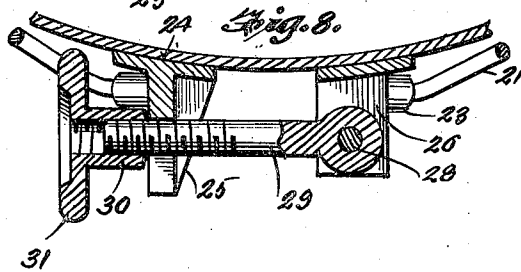
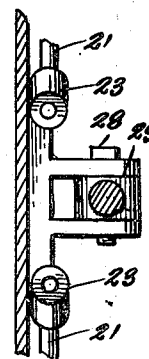


Fig. 10.



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UNITED STATES PATENT OFFICE

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DISPENSING TRUCK

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3 Claims. (Cl. 280—53)

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This present invention relates to hand trucks for carrying cream cans from which cream is to be dispensed.

The main object of the invention is the construction of a truck that can be wheeled to a can and includes a part embracing one half of the latter and bearing against the lower edge of the bead or band around the shoulder of the can and also includes a clamping mechanism securing the can to the truck. Tilting the latter forwardly will tilt the can to dispensing position.

A still further object of the invention is the provision of a truck of this character which is extremely simple in construction, thoroughly reliable and efficient in its purpose, strong, durable and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described in detail, illustrated in the accompanying drawings which disclose the preferred embodiment of the invention, and pointed out in the claims hereunto appended.

In the accompanying drawings—

Figure 1 is a side elevation of my truck carrying a can;

Figure 2 is a vertical section on line 2—2 of Figure 1;

Figure 3 is a top plan view, the handles being shown in transverse horizontal section;

Figure 4 is a rear end view;

Figure 5 is a horizontal section on line 5—5 of Figure 4;

Figure 6 is another horizontal section on line 6—6 of Figure 1;

Figure 7 is a detail section through the tightening screw mechanism;

Figures 8, 9 and 10 are detail sections on lines 8—8, 9—9 and 10—10 respectively.

In the drawings in which like reference characters designate like or similar parts, the frame 2 of the truck includes a lower semicircular cradle member 3, having a diameter slightly larger than the exterior diameter of a can used for storing or shipping cream. Integral with the cradle are a pair of split bosses 4 which extend radially from the outer side of the cradle and are each spaced about 45° from the outer ends of this cradle. Each of the split bosses is provided with a threaded aperture for the threaded lower end of a handle bar 5 and a pair of parallel rearwardly extending separate extensions 6 the rear end 7 of which are bent outwardly or away from the rear ends of the other extensions. These end portions have registering apertures for an axle 8

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upon the ends of which are journaled ground wheels 9 and held thereon by cotter pins c.

The handles extend upwardly through split bosses 4 similar to those described which have extensions provided with registering apertures for bolts 10 which clamp the boss sections around the handle. The bosses like those described are formed upon the rear side of an upper cradle member 11 which is so located that its upper edge engages the lower edge of the bead or band 12 of the can (Figures 1, 2, 4).

Each forward end of the upper cradle member is socketed for the insertion of the upper rear end portions of a rocker 13. Figure 1 shows the rocker rear end to extend horizontally and forwardly, then upwardly in the same direction with decreasing curvature and then downwardly and rearwardly. The lower rear end portion 14 extends for some distance parallel to the upper rear end portion, is bent vertically at 15 and terminates in horizontal ends 16 each of which is inserted in a socket formed in each of the forward ends of the lower cradle member. The socketed portions of the upper and lower cradle members have laterally extending tapped openings communicating at their ends with the socket and each receiving a set screw 17 the inner end of which bears against the rocker end in the socket. This form of connection between the rockers and the rest of the frame makes it possible to ship the truck knocked down. The handles extend considerably above the upper cradle member and terminate at the upper ends in curved grip portions 18 to which hand power is applied for tilting the truck frame about the axle described. The handles are connected below the grip portions by a tie bar 20 to enable the operator to take a center hold.

In each of the outer end portions of a cradle member is formed a vertical hole through which the upper end portion of a clamping wire 21 extends. The wire part 22 above the upper cradle and below the lower cradle is bent rearwardly. The two wires on one side of the truck extend forwardly in converging relation around the can to be clamped and are inserted at their forward ends in converging sleeves 23 of a lock structure 24, having a slotted wall 25 extending outwardly from the can. The forward ends of the other pair of wires are inserted in converging sleeves 23 of a bolt support 26 having a pair of spaced fulcrum walls 27 with registering apertures for a pin 28 also passing through the apertured enlarged end of a screw bolt 29 which is placed in the slot of the companion member 25

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and upon the outer end portion of which is threaded a nut 30 having a hand wheel 31. By turning the latter the wires clamp the can to the truck.

To use the truck the same is wheeled towards a can to be transported and the screw of the clamping mechanism is swung about its pivot outwardly and out of the slot (Figure 8). The truck is then pushed close to the can and the handles are swung upwardly to vertical position so that the can is half way surrounded by the two cradle members. The clamping wires are then laid around the can and the screw is swung into the slot of the other clamping part. Then, if necessary, the nut wheel is turned to tighten the connection. After that the truck may be wheeled about to dispense cream wherever needed. The cover of the can is removed and the entire truck with the can is rocked forwardly on the rockers so that the contents of the can can be poured into a vessel.

The whole construction and arrangement forms a very simple, strong, and convenient device for loading and unloading, moving and discharging cream cans, which when filled, are ordinarily very heavy and difficult to handle.

It is evident that many changes may be made in the specific details of this embodiment of my invention without departing from the boundaries of my invention as defined by the following claims.

What I claim and desire to secure by Letters Patent is:

1. A truck of the character described comprising a frame including a pair of handles, a pair of wheels journaled at one end of the frame, a pair of flexible members attached at one end to

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one side of the frame and carrying connecting means at the other end, another pair of flexible members attached at one end to the other side of the frame and carrying connecting and tightening means for cooperation with the first named connecting means, a pair of rockers each connected to one side of the frame and in opposed relation to the wheels.

2. A truck of the character described, comprising a frame including a pair of handles and a pair of spaced cradle members secured to the latter, a pair of wheels journaled near one end of the frame, a pair of flexible members each connected at one end to one side of a cradle member and at the other end to a connecting device, another pair of flexible members each connected to the other side of a cradle member and at the other end to a connecting and tightening means, and a pair of rockers each connected to one side of the cradle members and in opposed relation to the wheels.

3. A truck of the character described, comprising a frame including a pair of handles and a pair of spaced cradle members secured to the latter, a pair of wheels journaled near one end of the frame, a pair of flexible members each connected at one end to one side of a cradle member and at the other end to a connecting device and including a slot, another pair of flexible members each connected to the other side of a cradle member and at the other end to a connecting and tightening means including a screw pivoted thereto to engage in the slot of the connecting device and also including a tightening hand nut threaded upon the screw against the wall of the slot.

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