May 1, 1928. 1,668,129

C. SPAETH

HAND TRUCK

Filed Oct. 24, 1925 3 Sheets-Sheet 1

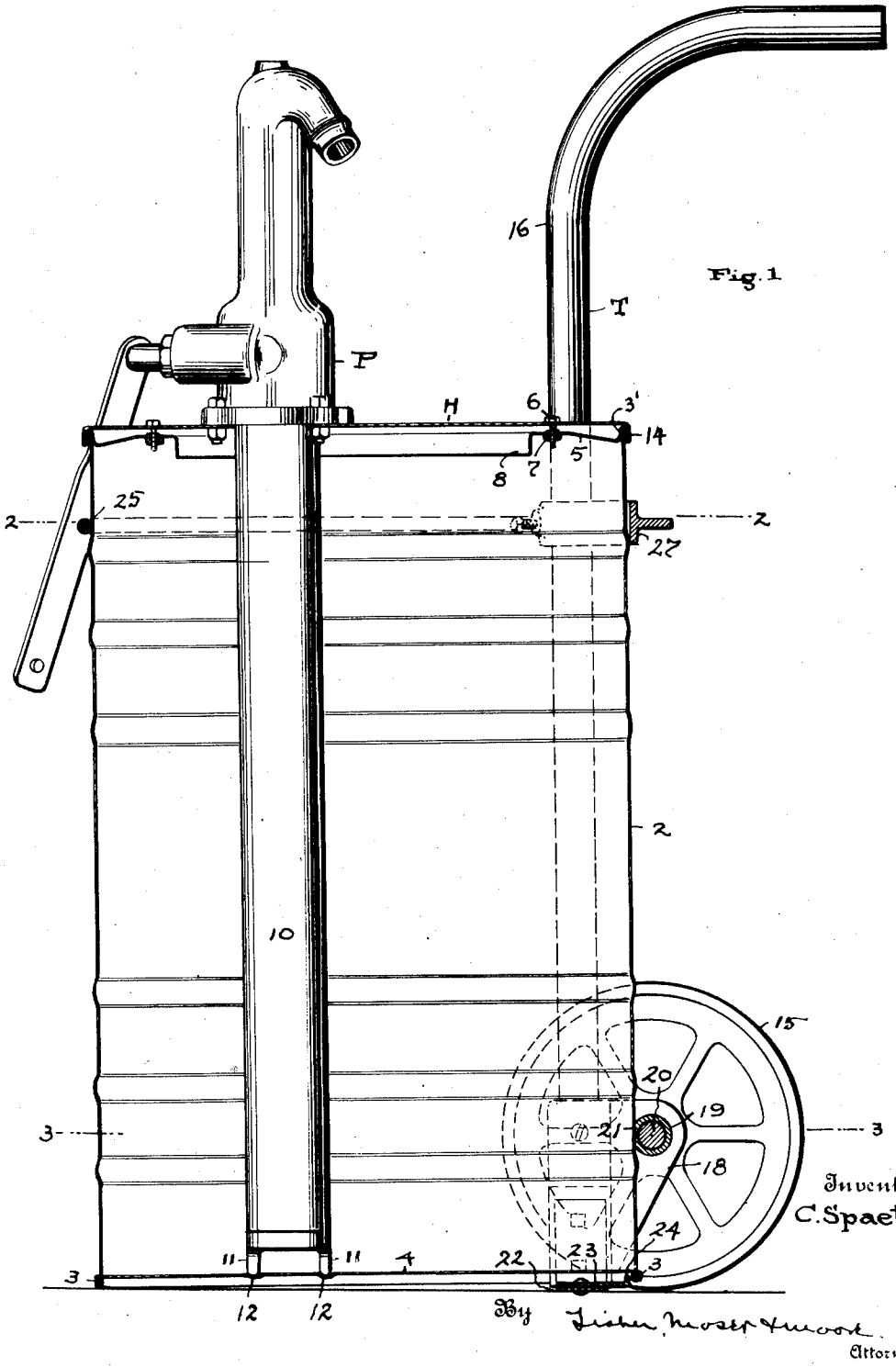


Fig. 1

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Fig. 2.

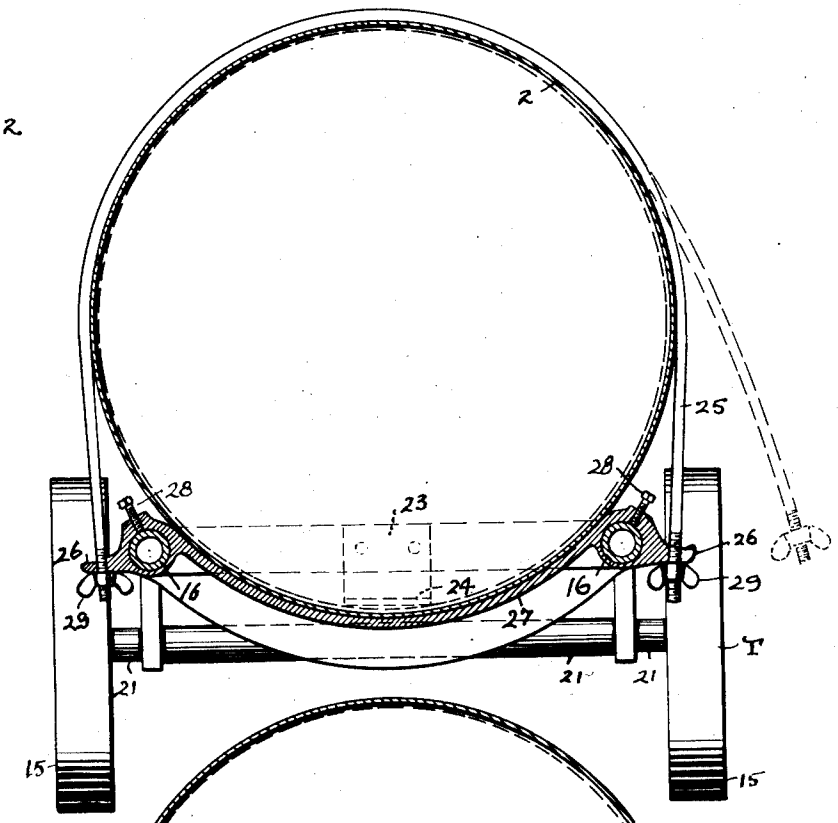
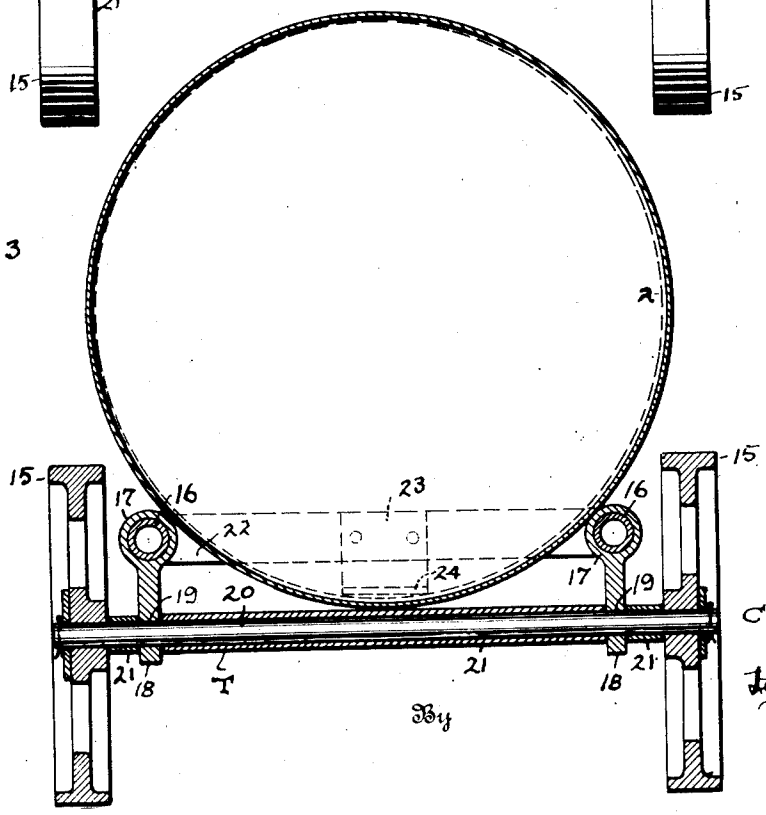


Fig. 3



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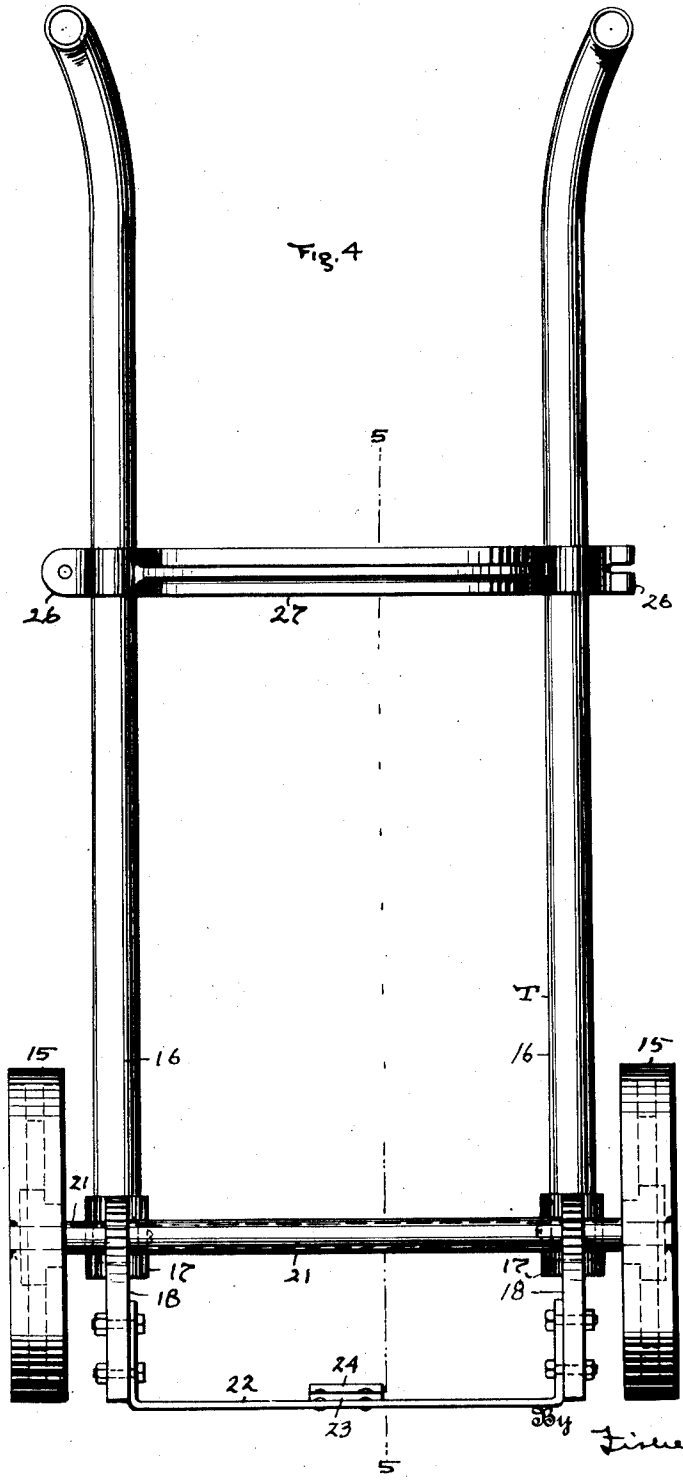


Fig. 4

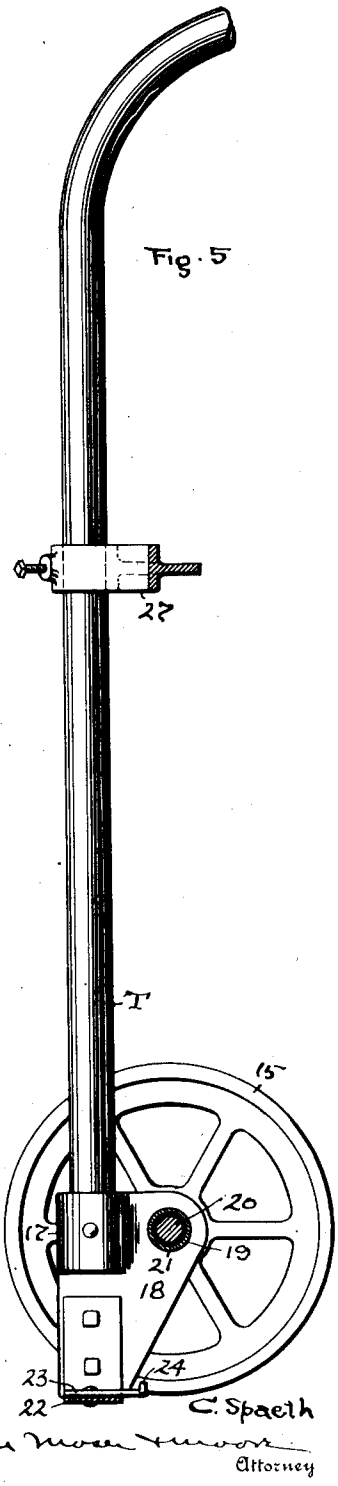


Fig. 5

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UNITED STATES PATENT OFFICE.

CHARLES SPAETH, OF CLEVELAND, OHIO, ASSIGNOR TO THE MARVEL EQUIPMENT COMPANY, OF CLEVELAND, OHIO, A CORPORATION OF OHIO.

HAND TRUCK.

Application filed October 24, 1925. Serial No. 64,527.

My invention relates to a transportable dispensing apparatus, and more particularly to a simple truck for handling with facility and dispatch a barrel or cylindrical receptacle equipped with a dispensing pump. As constructed this device permits a metal barrel or cylinder to be affixed thereto in a simple and effective way and to rest in a stable upright position upon the floor or ground for dispensing operations. A false head for the barrel carries the dispensing mechanism, and this head with its attached mechanism is sold and used together with the hand truck to enable the purchaser of a barrel of oil or grease to readily dispense the contents in measured quantities directly from the barrel, and to quickly replace the empty barrel with a full barrel whenever required.

In the accompanying drawings, Fig. 1 is a sectional view vertically through a barrel equipped with the pumping attachment and as mounted upon the truck. Fig. 2 is a horizontal section of the barrel and truck on line 2—2 of Fig. 1, and Fig. 3 is a similar view on line 3—3 of Fig. 1. Fig. 4 is a front elevation of the truck without the barrel, and Fig. 5 is a vertical section thereof on line 5—5 of Fig. 4.

A commercial practice at present is to ship oil and grease in metallic containers or barrels 2 having end chimes or flanges 3—3′, a closed head 4 at one end, and an open head 5 at the opposite end which is closed for shipment by a suitable cover, not shown. This cover is fastened in place by bolts or screws 6 which enter nuts 7 fixed to head 5 at predetermined places adjacent the flanged opening 8. I convert this known type of container or barrel into a transportable dispensing apparatus by attaching it to a simple form of truck T, and by substituting a false head or cover H for the original cover, utilizing the same bolts or screws 6 to fasten false head H in place. Head H forms a fixed part of a dispensing pump P having an intake tube 10 depending therefrom and provided with short projections 11 at its bottom adapted to rest in shallow depressions 12 formed in bottom head 4. Thus, the pump which is made of cast metal and quite heavy, is supported in a stable immovable position at its top and bottom by false head H and lugs 11, and false head H is formed with an annular flange 14 which overlaps the upper chime 3′ and holds the false head against lateral movement during cranking operations of the pump. Barrel 2 is immovably supported in an upright position during dispensing operations, although affixed to truck T having a pair of wheels 15. Thus the truck comprises a pair of tubular handles 16 which are socketed at their lower ends within the hollow enlargements 17 of a pair of flat cast metal brackets 18 having lateral openings 19 rearwardly of the enlargements to receive a round shaft 20 for wheels 15. Pieces of pipe 21 are sleeved on shaft 20 to serve as spacers for the wheels and handles, and brackets 18 extend downwardly and forwardly and are connected rigidly together by a flat strap 22 having angular extremities bolted to the inside faces of the brackets in alignment with the handles, thereby providing a flat rest for an arcuate section of lower chime 3 of the barrel. The shaft and pipe thereon serve as a stop and also a rest for the barrel when it is seated on strap 22, and a short plate 23 riveted to strap 22 on the longitudinal median line of the truck projects rearwardly a short distance and is formed with a vertical lip 24 to engage the inner side of chime 3 so that the barrel will be locked in place when placed at rest upon strap 22. The barrel is thus seated on its chime and locked in place by lip 24 engaging the chime, being further held removably upon the truck by a clamping rod 25 which partly encircles the upper part of the barrel and engages ears 26 on a curved saddle 27 sleeved upon the handles and fixed thereto by set screws 28. Thumb nuts 29 may be used to fasten rod 25 to ears 26, and one or both ears may be slotted to permit the rod to be dis-engaged by a lateral movement as indicated in dotted lines, Fig. 2. The barrel is nested within the concaved side of saddle 27, and rests upon connecting strap 22. It also bears against the axle so that it may be tilted by means of the truck and transported by rolling the truck over the ground or floor. When lowered on end the barrel stands upright on the floor and the truck wheels are lifted slightly above the floor, the weight of the barrel being partly placed upon and borne by flat strap 22 which then rests upon the floor. In tilting the truck to raise the barrel from the floor the initial turning movement is at strap 22, but the wheels engage the floor before either the locking plate 23 or the bottom chime of the

barrel can strike the floor, note being taken that the strap and plate are located forward of the axle and the axis of the wheels.

What I claim, is:

1. A transportable dispensing device, for a barrel having a chime, comprising a truck having an axle and wheels, brackets suspended from said axle having a connecting strap adapted to provide a rest for an arcuate section of the barrel chime, and a plate secured to said strap having a lip adapted to engage the inner side of said chime to lock the barrel upon said strap.

2. A hand truck, comprising a shaft having wheels, brackets sleeved upon said shaft, handles fixed to said brackets, a strap having its extremities secured to said brackets, a plate fixed to said strap having a vertical lip, said strap and plate being located forwardly of and below the axis of said shaft and wheels to permit locking engagement of said lip with the chime of a barrel when seated upon said strap.

3. A hand truck, comprising a shaft, wheels upon said shaft, brackets extending downwardly and forwardly from said shaft having sockets, tubular handles fixed in said sockets, a saddle member connecting said handles, a strap having angular extremities secured to the depending parts of said brackets forwardly of the axle, and a plate affixed to said strap centrally between said brackets and projecting rearwardly toward said axle, said plate having a vertical lip at its rear end to engage the chime of a barrel placed at rest upon said strap.

In testimony whereof I affix my signature.

CHARLES SPAETH.