No. 866,797. PATENTED SEPT. 24, 1907.

C. F. MILLER.

HAND TRUCK.

APPLICATION FILED OCT. 27, 1906.

Fig. 1.

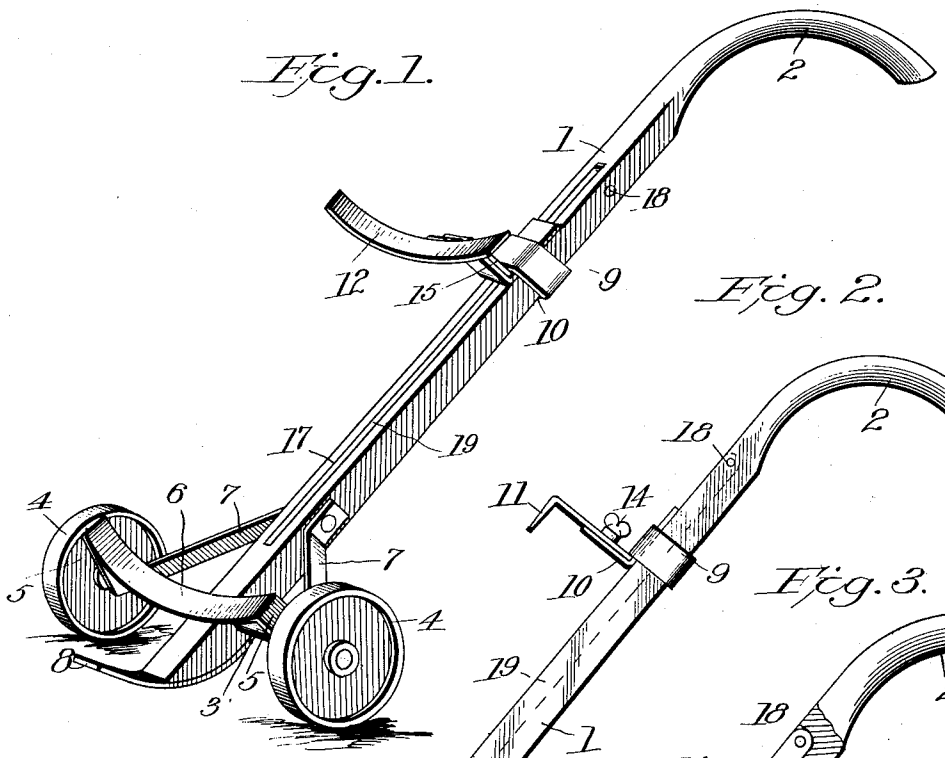


Fig. 2.

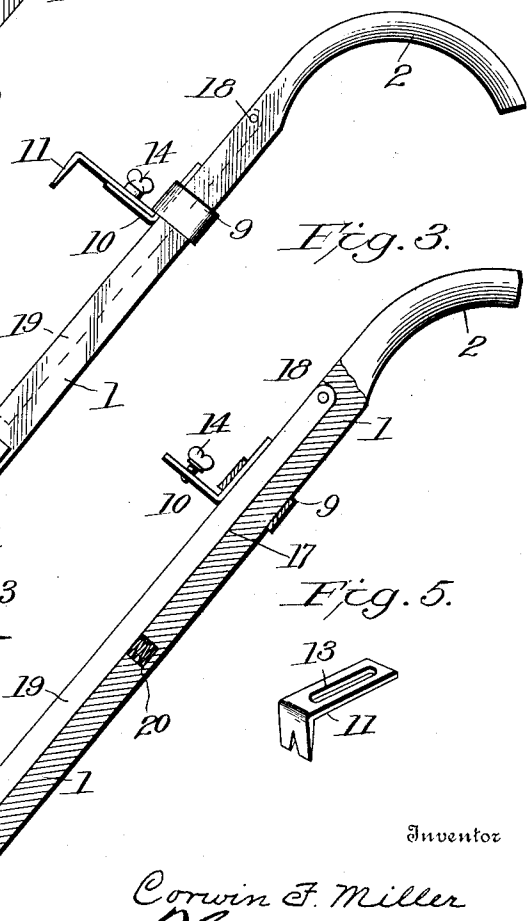


Fig. 3.

Fig. 5.

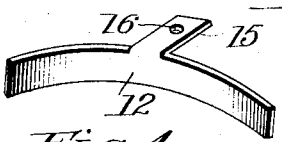


Fig. 4.



Witnesses

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CORWIN F. MILLER, OF WOLCOTTVILLE, INDIANA.

HAND-TRUCK.

No. 866,797. Specification of Letters Patent. Patented Sept. 24, 1907.

Application filed October 27, 1906. Serial No. 340,839.

To all whom it may concern:

Be it known that CORWIN F. MILLER, a citizen of the United States, residing at Wolcottville, in the county of Noble and State of Indiana, has invented certain new and useful Improvements in Hand-Trucks, of which the following is a specification.

This invention relates to hand trucks.

It has for an object to provide an improved hand truck adapted to carry ice cream tubs, kegs, barrels, boxes, cans and the like of various sizes.

Other and further objects will appear in the following description and will be more particularly pointed out in the appended claims.

In the drawing:—Figure 1 is a perspective view of my invention when adapted to hold a barrel or keg. Fig. 2 is a side elevation showing the invention when the cant hook is employed. Fig. 3 is a sectional view of the handle showing the means for frictionally engaging the sliding member. Fig. 4 is a detail of the detachable barrel or keg supporting member. Fig. 5 is a detail of the detachable cant hook.

Referring more particularly to the drawings, 1 indicates the supporting lever formed at one end with a handle 2 and having the axle 3 secured to the other end and projecting from opposite sides thereof, wheels 4 being provided on the axle. Projecting perpendicularly from the axle are the uprights 5 of a curved barrel supporting member 6 which connects the uprights; the barrel supporting member and the axle being braced by braces 7 which lead from the axle adjacent the uprights and connect with the supporting lever 1. The extreme end of the supporting lever has an upwardly extending member 8 which acts as a stop for the object supported on member 6.

Slidably arranged on the supporting lever 1 is a collar 9 which has secured to it an L-shaped piece 10, one arm of the L-shaped piece extending perpendicularly to the lever and the other arm passing beneath the collar. To the perpendicular arm is detachably secured either a cant hook 11 or a barrel support 12.

The cant hook is provided with a longitudinal slot 13 which permits the adjustment of the hook, a set screw 14 holding the hook in its various adjustments. The barrel support 12, however, is not adjustable on the sliding member but carries a depending arm 15 provided with a single opening 16 through which the set screw 14 passes. When this barrel support is in position on the truck the lower end of the arm 15 rests on the lower arm of the L-shaped piece 10 so as to take all the strain off of the set screw 14. It is at the same time positioned between the perpendicular arm and the edge of the collar 9, thus further strengthening the support.

To hold the sliding member in various positions along the supporting lever 1, the supporting lever is provided on its upper side with a longitudinal groove 17 in which is pivotally mounted at 18 a friction lever 19 adapted to bear against the sliding member, a strong spring 20 serving to force the lever out of its groove and against the sliding member.

When a barrel or keg is to be carried the detachable barrel support 12 is secured to the sliding member and the sliding member is moved to a position to correspond to the size of the barrel or keg. After which the barrel or keg is fitted on both supports with one head against the stop 8.

If a box is to be supported the barrel support 12 is removed and the cant hook is fitted to the sliding member. The box is then placed upon the barrel support with its end resting against the stop 8. Now the cant hook is slid on the supporting lever until the hook engages the box, the hook being extensible so that it may properly engage boxes of different forms.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:—

1. A hand truck comprising a wheeled supporting lever provided with a longitudinal groove, a friction lever mounted in the groove, a member slidable on the supporting lever and held in various positions by the friction lever, means carried by the member to engage the article carried by the truck, and a second means carried by the axle of the truck to engage the article carried by the latter.

2. A hand truck comprising a wheeled supporting lever provided with a longitudinal groove and a stop at one end, a friction lever mounted in the groove, a collar slidable on the supporting lever and held in various positions by the friction lever, means secured to the collar to engage the article carried by the truck, and means disposed adjacent the stop of the supporting lever to coöperate with the means secured to the collar in the support of the article carried by the truck.

3. A hand truck comprising a wheeled supporting lever provided with a longitudinal groove, a friction lever mounted in the groove, a member slidable on the supporting lever and held in various positions by the friction lever, and means detachably secured to the member to engage the article carried by the truck.

4. A hand truck comprising a supporting element provided with a longitudinal groove, a friction element mounted in the groove, a spring acting on the friction element, a member slidable on the supporting element and held in various positions by the friction element, means held by the said member to engage the article carried by the truck, and another means coöperating with the aforesaid means in the support of the article upon the truck.

5. A hand truck comprising a wheeled supporting lever provided with a longitudinal groove, a friction lever mounted in the groove, a spring acting on the friction lever, a collar slidable on the supporting lever and held in various positions by the friction lever, and means detachably secured to the collar to engage the article carried by the truck.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CORWIN F. MILLER.

Witnesses:
CLARENCE E. TROXEL,
ORVAL A. VAN KIRK.