G. H. COPELAND.

BARREL TRUCK.

APPLICATION FILED JULY 14, 1908.

920,826.

Patented May 4, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

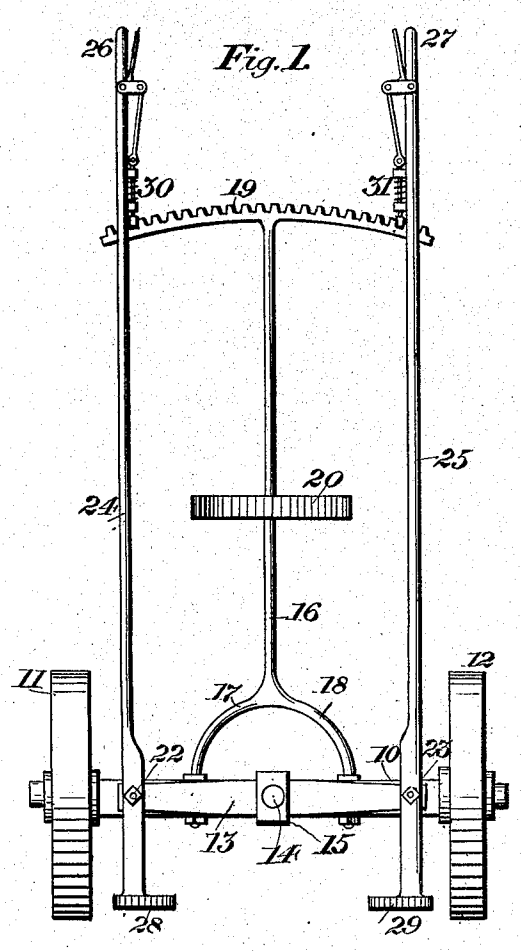


Fig. 2.

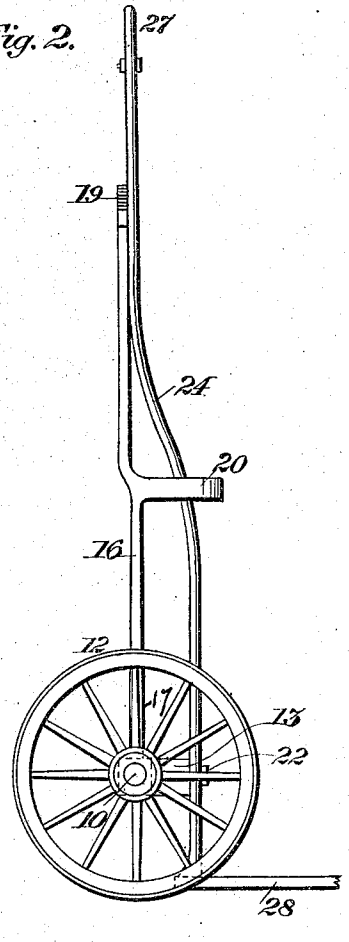
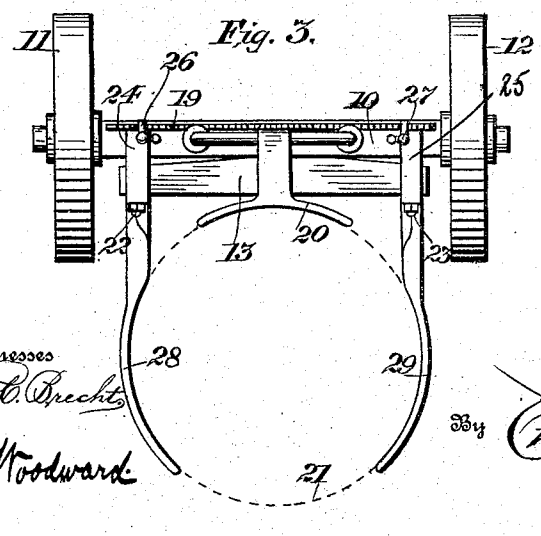


Fig. 3.



Witnesses

T. C. Brecht.

C. N. Woodward.

Inventor

George H. Copeland,

By Chandlee & Chandlee

Attorney

G. H. COPELAND.

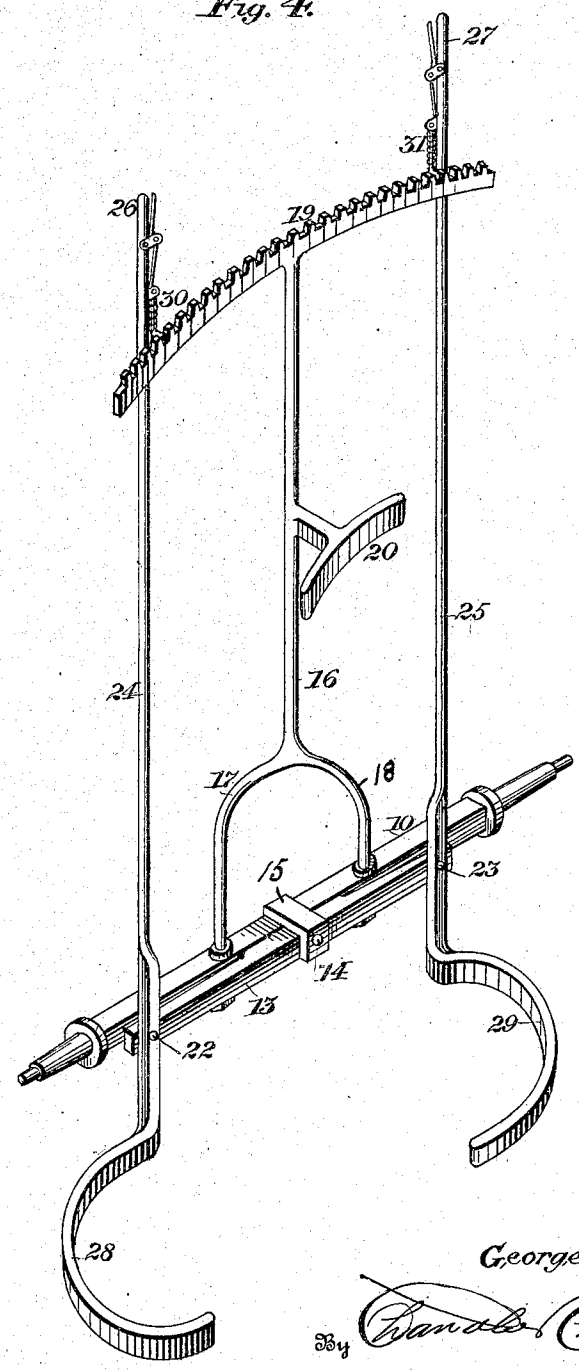
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2 SHEETS—SHEET 2.

Fig. 4.



Witnesses

T. C. Brecht.

C. M. Woodward.

Inventor

George H. Copeland,

By Bartlett & Bartlett

Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE H. COPELAND, OF FORT PAYNE, ALABAMA.

BARREL-TRUCK.

No. 920,826. Specification of Letters Patent. Patented May 4, 1909.

Application filed July 14, 1908. Serial No. 443,500.

To all whom it may concern:

Be it known that I, GEORGE H. COPELAND, a citizen of the United States, residing at Fort Payne, in the county of Dekalb, State of Alabama, have invented certain new and useful Improvements in Barrel-Trucks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to devices for transporting barrels, kegs, boxes, and similar articles from place to place, and has for one of its objects to simplify and improve the construction and increase the efficiency and utility of devices of this character.

With these and other objects in view the invention consists in a truck structure comprising an axle and a laterally extending frame, a pair of grip elements swinging upon the truck structure and adapted to engage the lower end of the barrel or other article to be transported, and the frame carrying a rest to support the upper end of the barrel or other article, and with means for locking the grip elements in position upon the truck frame.

The invention further consists in certain novel features of construction as hereafter shown and described and then specifically pointed out in the claims, and in the drawings illustrative of the preferred embodiment of the invention, Figure 1 is a front elevation of the improved device. Fig. 2 is a side elevation of the improved device. Fig. 3 is a plan view. Fig. 4 is a perspective view of the improved device with the bearing wheels removed.

The improved device comprises an axle 10 having ground wheels 11—12 mounted for rotation upon the ends and with a bolster member 13 swinging upon the axle by a pin 14, the bolster also having a flange 15 bearing from the axle at the front and rear.

Extending upwardly from the axle 10 is a frame comprising a central member 16 and branching members 17—18, the outer end of the member 16 being provided with a notched segment 19.

Projecting from the member 16 is a rest 20 adapted to bear against the upper portion of a barrel indicated at 21 when the truck is disposed in position to receive the barrel as hereafter explained.

Pivoted at 22—23 to the bolster 13 are two lever members 24—25 extended at their upper ends into handles 26—27 and with gripping jaws 28—29 extending laterally from their lower ends. It will thus be obvious that by distending the handle ends 26—27 of the levers the gripping members 28—29 will be compressed against the barrel or other article around which they are disposed, so that if the truck structure be moved into position with the grip members 28—29 inclasping the barrel 21 from opposite sides and the handle members 26—27 be distended the barrel will be firmly gripped and when the lever members 24—25 are moved into a substantially horizontal position the barrel will be lifted from the floor with its upper end bearing against the rest 20, the barrel then being in the position to be transported any required distance.

The lever members 24—25 are provided with pawl devices 30—31 engaging the notches of the segment 19 and thus holding the lever members 24—25 in their adjusted position and retaining the grip upon the barrel or other article, thus the same action which distends the levers by manipulating the handles 26—27 likewise causes the pawls 30—31 to lock the levers in position and thus retain the grip upon the barrel.

When the barrel is to be released, the truck structure is tilted into a vertical position which likewise disposes the barrel in a vertical position and then by releasing the pawls 30—31 the barrel is released and the truck removed.

The device is simple in construction, can be manufactured of any required material and of any required size to adapt it to barrels of different sizes, kegs, half-barrels, boxes, and the like.

While the drawings show the preferred embodiment of the invention, it will be understood that the invention is not necessarily limited thereto as changes may be made in the construction within the scope of the appended claims without departing from the principle of the invention or sacrificing any of its advantages.

What is claimed, is:—

1. In a device of the class described, a truck frame supported upon ground wheels, lever members swinging from said frame and with grip elements extending laterally from one end, a rest extending from said truck frame intermediate its ends and adapted to bear against the article held between said

grip elements, and means for locking said lever arms relative to said frame.

2. In a device of the class described, a truck frame comprising an axle, ground wheels carried by said axle, a supporting frame extending from said axle, a rest extending from said supporting frame, a bolster swinging upon said axle, lever arms swinging upon said bolster, grip elements extending laterally from said levers, and means for locking said lever arms relative to said frame.

3. In a device of the class described, a truck frame comprising an axle, ground wheels carried by said axle, a supporting frame extending from said axle, a rest extending from said supporting frame, a bolster swinging upon said axle, lever arms swinging upon said bolster, grip elements extending laterally from said levers, a notched segment carried by said frame, and spring actuated pawls carried by said levers and engaging the notches of said segments, whereby the levers are locked in position.

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

GEORGE H. COPELAND.

Witnesses:
E. E. OPENSHAW,
O. L. COHNANT.