

(No Model.)

J. B. DUNCAN.  
BARREL RACK.

No. 453,079.

Patented May 26, 1891.

Fig. 1.

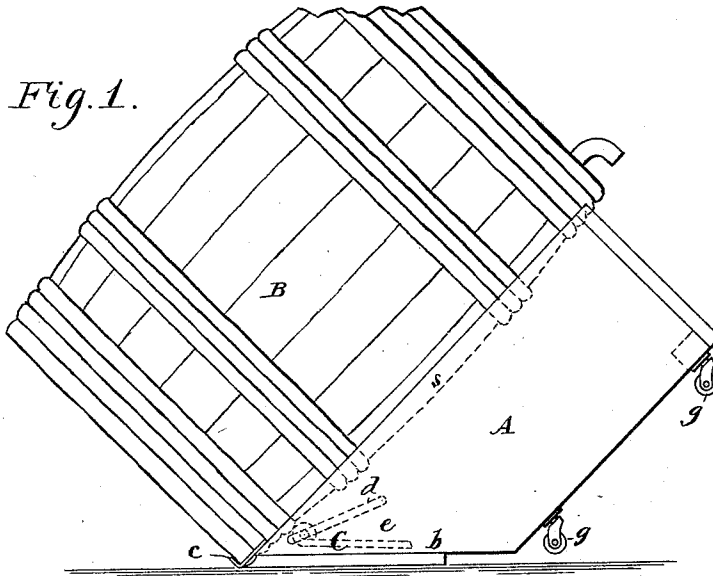


Fig. 2.

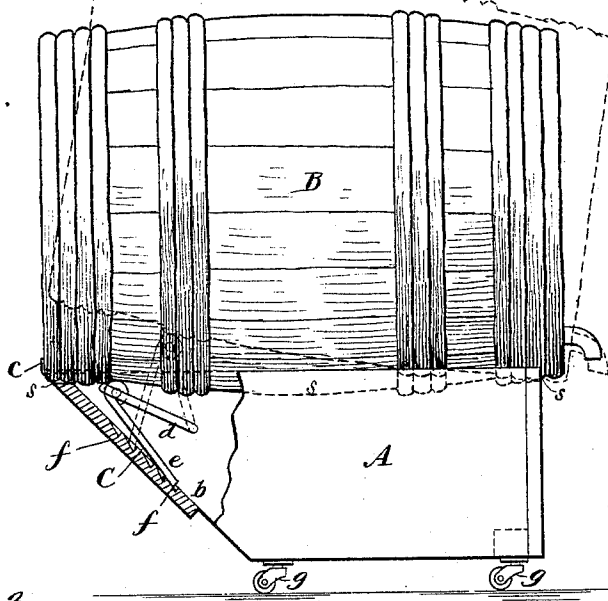
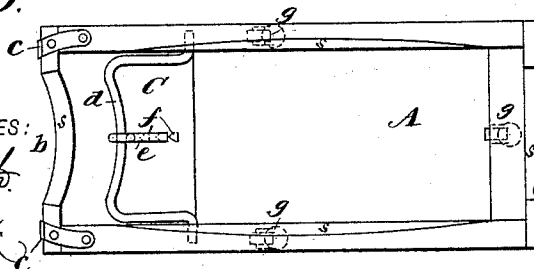


Fig. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN B. DUNCAN, OF FAYETTE, MISSOURI.

## BARREL-RACK.

SPECIFICATION forming part of Letters Patent No. 453,079, dated May 26, 1891.

Application filed February 25, 1891. Serial No. 382,725. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN B. DUNCAN, of Fayette, in the county of Howard and State of Missouri, have invented a new and useful Improvement in Barrel-Racks, of which the following is a full, clear, and exact description.

The more particular object of this invention is to facilitate the moving, handling, and placing in position for use heavy barrels—such, for instance, as barrels containing sirups, oils, and liquids of various kinds that have to be left on tap—in grocery establishments and elsewhere.

The invention comprises a combined roller-truck and barrel-rack with an attached adjustable barrel-tilting device for such and other analogous purposes of novel construction, substantially as hereinafter described, and more particularly pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a side elevation of my truck barrel-rack as in the position of picking up a barrel for removal to any part of a store or warehouse where it may be required to place it and the rack. Fig. 2 is a partly broken and sectional side view of the same in a horizontal position, also showing by dotted lines the barrel when tilted for tapping it at its end; and Fig. 3 is a plan of the whole device with the barrel removed.

A indicates the barrel rack or stand, which, having its sides and ends suitably hollowed or concave-shaped on top, as at *s s*, to receive a barrel B on or partly within it, is constructed as a truck adapted to lift or pick the barrel up, it being made with a flat bow-shaped or forward-sloping end *b*, armed with hook-shaped lifting-irons *c* on top, adapted to pass under the chine of the barrel, and with rollers or casters *g* beneath its bottom for removal of the rack and barrel on it from place to place. Said truck barrel-rack is also provided at its forward end with a barrel-end-tilting device C, consisting of a bail-shaped lifter *d*, arranged within the interior of the barrel-rack and having its pivots or bearings in the sides of the latter, and provided with a hanging rod sup-

port or catch *e*, which engages, when required, with any one of a series of notches or ratchet-teeth *f* up the inner surface of the sloping front end of the barrel rack or stand, according to the height at which it is required to raise the back end of the barrel when on the rack or stand when the barrel is tapped from its front end, the ratchet-engaged bail-shaped lifter *d* and rod-support *e* then resting under the raised portion of the barrel, as shown by dotted lines in Fig. 2. When, however, it is required to have the barrel occupy a horizontal position on its rack or stand—as, for instance, when not required to end-tilt it, or when opening or tapping the barrel from its side, both of which the rack or stand admits of—then the adjustable barrel-end-tilting device C may be lowered, as shown by full lines in Fig. 2, out of the way of exerting any lifting or inclining action on the barrel.

To apply this barrel rack or stand to, say, pick up a barrel when standing on end, the rack A is first adjusted vertically, with its back end uppermost, up against the side of the barrel. Then the hooks or hook-lifters *c* are passed under the chine of the barrel, and the rack A with the barrel B lowered or held lowered on it while inclining the rack A till the barrel is firmly seated on the latter, as shown in Fig. 1. The rack and barrel are then lowered to a horizontal position and the whole wheeled by the rollers or casters beneath the rack to any part of the store or warehouse it is required to place the barrel for tapping or use while on the rack as a stand.

The whole rack or stand may be constructed cheaply and mainly of wood, and it will enable one man to handle a heavy barrel as easily as in the ordinary way it can be handled by two or three men, and the barrel be seated so that it can be opened either at the side or end, as desired.

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

1. The combination, with a barrel rack or stand having a forward-sloping end provided with notches or ratchet-teeth, of a bail-shaped lifter pivoted between the sides of the rack and provided with a rod or support adapted

to engage the notches or teeth of the rack, substantially as described.

2. The combination, with the barrel rack or stand A, having a sloping front end *b*, rollers  
5 or casters *g*, secured to its bottom, ratchet-shaped teeth or notches *f* upon its sloping front end, and a barrel-end-tilting device C, consisting of a swinging bail-shaped lifter *d*,

having a rod support or catch *e*, adapted to engage with the notches *f*, substantially as shown and described, and for the purposes specified.

JOHN B. DUNCAN.

Witnesses:

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