

R. E. WOODWORTH.
BARREL STAND.
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1,102,972.

Patented July 7, 1914

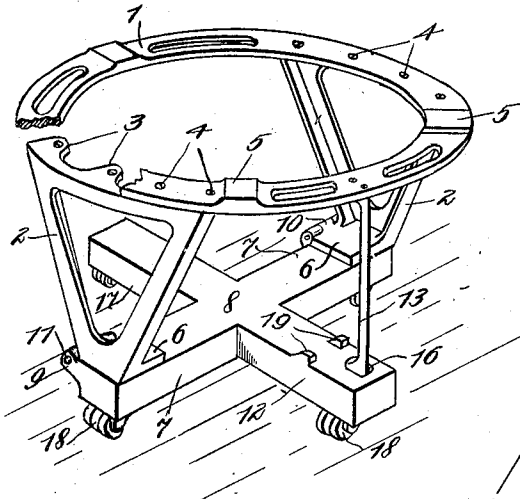


FIG. 1.

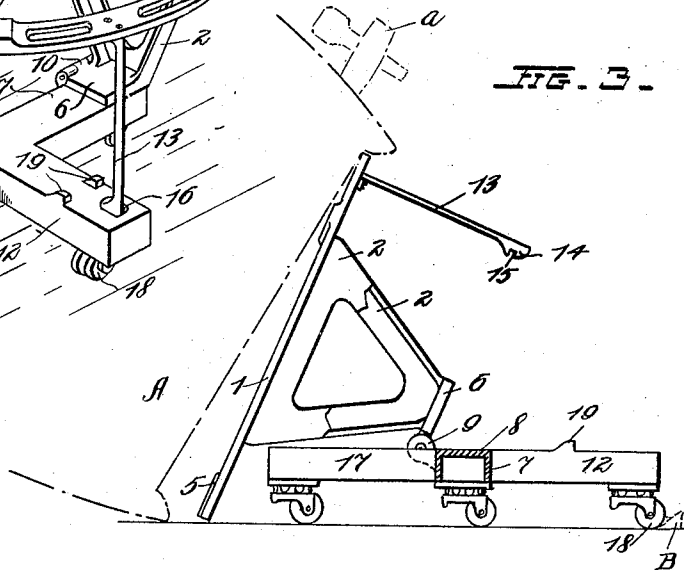


FIG. 3.

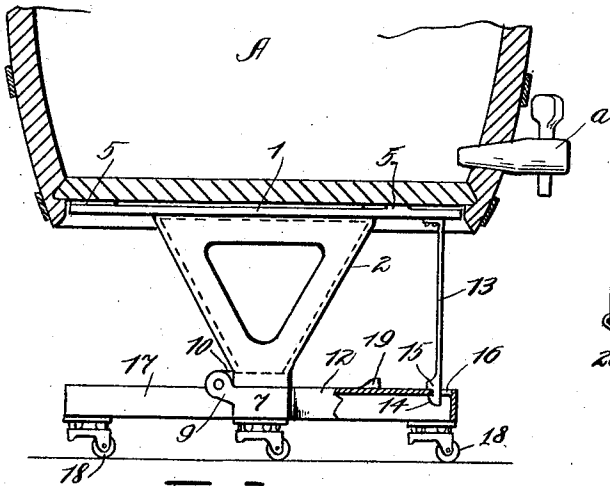


FIG. 2.

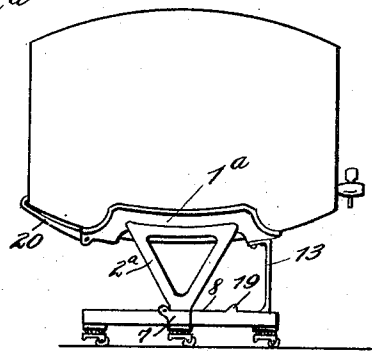


FIG. 4.

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UNITED STATES PATENT OFFICE.

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BARREL-STAND.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ROLLO E. WOODWORTH, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Barrel-Stands, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

This invention relates to barrel stands which are adapted to support barrels containing cider, molasses or other such liquids in grocery stores or markets; or which are adapted to be used in liquor stores for supporting liquor barrels or kegs. As a usual thing, it requires a considerable length of time to dispose of the contents of such barrels, and because of their extreme weight it is a laborious and difficult task to move them about a store room for the purpose of sweeping or scrubbing during the time that the goods are on hand, unless some device is provided for the support of the barrel which has means whereby it can be easily moved from place to place.

The objects of this invention are to provide a stand for barrels of the above class, which is of simple and substantial construction; which may be easily operated to expedite the placing of a barrel thereon; and which is provided with casters whereby it, with the barrel may be conveniently shifted from place to place. These and further objects which will become apparent as this description proceeds are attained by a construction set forth in the claims annexed hereto and illustrated in the accompanying drawings forming a part hereof, wherein—

Figure 1 is a perspective of my barrel stand used for supporting a barrel in an upright or vertical position; Fig. 2 a side elevation of the stand shown in Fig. 1 with a barrel thereon, only the lower portion of the barrel being included in the view and that, with a portion of the base of the stand, being shown in section; Fig. 3 is a view similar to Fig. 2 with the platform of the stand tilted to receive a barrel which is shown in dot-and-dash lines; and Fig. 4 is a modified form of my stand for supporting a barrel or keg on its side or in a horizontal position.

In the drawings, like reference characters designate corresponding parts throughout the several views, and during the following description I will refer to that side of the stand over which it is most natural and con-

venient to locate the spigot of the barrel, as the front.

The barrel supporting ring 1 is mounted upon a pair of triangular side brackets 2 and is secured to the horizontal lugs 3 which extend inwardly from the upper edges of the brackets, by screws 4. Ring 1 and brackets 2 constitute what I term the barrel supporting platform. The upper surface of the ring 1 is provided with pads 5 which provide a plane supporting surface for the barrel, allowing for any irregularities which might exist in the ring. The lower ends of the side brackets 2 terminate in flat bearing plates 6 which are adapted to rest upon the upper surface of the transverse arms 7 of the cross-shaped base 8, when the platform comprising the ring 1 and the side brackets is substantially balanced thereover. In order to secure the required strength to the base 8 I prefer to make it of inverted channel formation as shown in Fig. 3, where the end of the transverse arm 7 and a portion of one of the brackets 2 are broken away.

A pair of cylindrical lugs 9 which are spaced a slight distance apart, project rearwardly and upwardly from the outer end of each of the arms 7 adjacent the plate 6, and the space between these lugs is occupied by a correspondingly shaped lug 10 which extends from the rear edge of said plate. A pintle 11 passes through the lugs 9 and 10 to produce a hinge whereby the aforesaid platform is pivoted to the base.

Riveted or otherwise secured to the underneath surface of the front portion of the ring 1 directly above the forwardly extending arm 12 of the base, is a spring tongue or latch 13 which is enlarged at its lower end and beveled at 14 and notched at 15 to provide a latch for the barrel supporting platform, which coöperates with the rear lip of an elongated opening 16 formed within the web of the arm 12 of the base. Secured to the underneath surface of each of the arms 7, 12 and 17 of the base, adjacent its outer end, is a caster 18.

To mount a barrel upon the stand, the latch 13 is first disengaged from the arm 12 of the base, and the platform is then tilted rearwardly upon its hinges until the back portion of the ring 1 rests upon the floor, (as shown in Fig. 3). The barrel A is now placed over the ring so that the front portion of the ring occupies that part of the depressed end of the barrel which is directly

beneath the spigot *a*. A wedge B, or other obstructing means, may be placed in front of the stand to prevent its rolling, after which the barrel can be shoved forwardly causing the platform to swing upon its hinges. Almost immediately the barrel supporting ring 1 comes into full engagement with the ends of the barrel, and further forward movement of the barrel causes it, with the platform, to swing to a vertical position until they are substantially balanced over the base 8, at which time the plates 6 rest upon the arms 7 of the base and relieve the hinges of the weight. As the parts come to rest, the beveled end 14 of the latch 13 rides over the lip formed by the rear edge of the opening 16 and cams the lower end of the latch outwardly until the notch 15 is in register with said lip when it snaps into normal position and effectively locks the platform to the base. The upper side of the notch 15 engages the upper surface of the arm 12 adjacent the hole 16 and forms a substantial support for the forward portion of the platform and prevents any rocking thereof.

In the modified form of my stand which is illustrated in Fig. 4 of the drawings and which is adapted to support a barrel or keg in a horizontal position so that the spigot may be inserted through the end thereof, I have substituted for the barrel supporting ring 1, a saddle 1^a which is carried upon the upper ends of the side members 2^a. The saddle 1^a is shaped to conform to the contour of a barrel or keg, and is provided at its rear end with a hook 20 for engaging the edge of the barrel or keg to expedite the placing of the barrel or keg upon the stand. The operation of mounting a keg or barrel upon this stand is substantially the same as that described in connection with the previous form, the platform being tilted until the hook 20 can be placed under the edge of the barrel or keg, when the barrel or keg and the platform may be swung forwardly until they are practically balanced over the support by the base 8 and held in such position by the latch 13.

In order that the operator may use both hands for steadying the barrel when removing it from the stand, and disengage the latch from the base with his foot, I have arranged upon the upper surface of the arm 12 of the base a pair of lugs 19 between

either of which and the rear side of the spring latch 13 the operator may wedge the sole of his shoe and press the latch forwardly thereby releasing it.

Having thus described my invention what I claim is:—

1. In a barrel or keg supporting stand, in combination, a supporting ring, a pair of side brackets secured thereto and terminating at their lower ends in bearing plates which have lugs, a cross-shaped base upon the transverse arms of which are adapted to normally rest the bearing plates and having lugs to which the aforesaid lugs are pivoted, and a spring member depending from the forward portion of the supporting ring and adapted to cooperate with the forwardly extending arm of the base to retain the parts in normal position.

2. In a barrel or keg supporting stand, in combination, a supporting ring, a pair of side brackets secured thereto and terminating at their lower ends in bearing plates which have lugs, a cross-shaped base upon the transverse arms of which are adapted to normally rest the bearing plates and having lugs to which the aforesaid lugs are pivoted, a spring member depending from the forward portion of the supporting ring and having a shoulder, said base having a lip which is adapted to be engaged by said shoulder, and an abutment upon the base spaced from said lip in the direction toward which the spring member tends to move for the purpose specified.

3. In a barrel or keg supporting stand, in combination, a supporting ring, a pair of side brackets secured thereto and formed at their lower ends with bearing surfaces substantially parallel to the plane of the ring, a cross-shaped base upon the transverse arms of which said bearing surfaces are adapted to normally rest, means pivotally connecting the adjacent portions of the base and the brackets, and a spring member depending from the supporting ring and adapted to cooperate with one of the longitudinal arms of the base to retain the ring in horizontal position.

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

ROLLO E. WOODWORTH.

Witnesses:

BRENNAN B. WEST,
HAROLD E. SMITH.