Feb. 27, 1923. 1,446,699

J. GOBLE ET AL

BARREL RACK OR HANGER

Filed Aug. 1, 1921

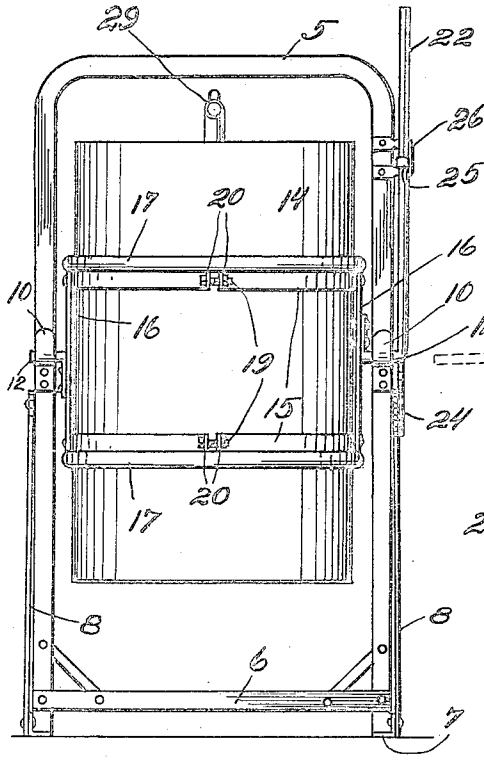


Fig. 1

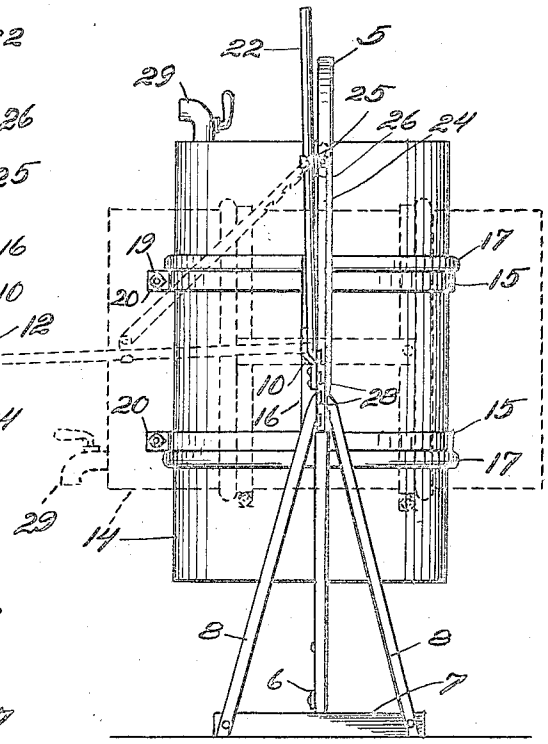


Fig. 3

Fig. 2

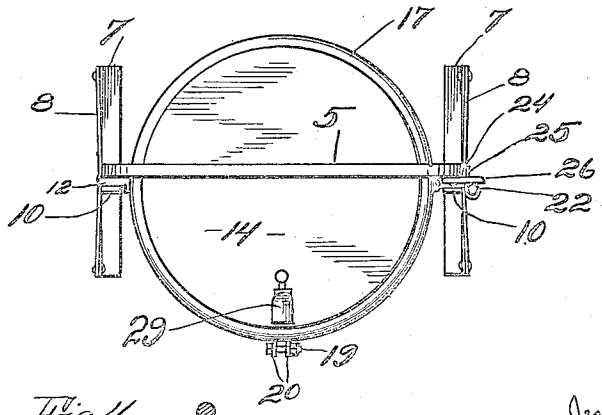
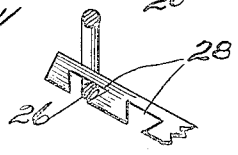


Fig. 4



Witness:

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Patented Feb. 27, 1923. 1,446,699

UNITED STATES PATENT OFFICE.

JESSE GOBLE AND EDGAR A. GOBLE, OF LEAVENWORTH, KANSAS.

BARREL RACK OR HANGER.

Application filed August 1, 1921. Serial No. 488,993.

To all whom it may concern:

Be it known that we, JESSE GOBLE and EDGAR A. GOBLE, citizens of the United States, and residents of Leavenworth, county of Leavenworth, State of Kansas, have invented a certain new and useful Improvement in Barrel Racks or Hangers, of which the following is a complete specification.

The present invention relates to supporting stands or racks, and aims to provide an improved supporting structure whereby a barrel or drum may be carried either in an upright position, or conveniently rocked to any one of a different number of more or less horizontal positions, as may be required in the dispensing of the contents of the barrel or drum.

To this end we have devised an improved rack or stand which comprises a fixed upright frame, together with a pivoted hanger frame adapted to rock within the upright frame into various different positions according to the position into which it is desired to move the barrel or drum, and also a suitable latching means for conveniently retaining the hanger frame and barrel in any one of the positions assumed thereby.

With the foregoing general object in view, the invention will now be described by reference to the accompanying drawing illustrating one form of construction which we have devised for embodying the proposed improvements after which the novel features therein will be particularly set forth and claimed.

In the drawing—

Figure 1 is a front elevation, illustrating a barrel or drum supporting device constructed in accordance with the present invention;

Figure 2 is a plan view of the same;

Figure 3 is a side elevation, with broken lines illustrating the hanger and drum moved into horizontal position; and

Figure 4 is a detail view showing a portion of the latching means.

Referring now to the drawing in detail, this illustrates the improved construction as comprising a fixed upright frame or standard comprising an inverted-U-shaped frame piece 5, the lower ends of which are connected by a transverse frame member 6, and each of the lower ends of the frame piece 5 being provided with a base member 7, the ends of which are connected by inclined supporting or brace pieces 8 with approximately the middle portions of the frame piece 5.

Each side of the fixed upright frame or standard is provided with an open bearing bracket 10 adapted for removably accommodating one of a pair of trunnions 12 which are formed as parts of a barrel or drum hanger frame designed for carrying a barrel or drum 14 within said upright frame or standard. This hanger frame further comprises a pair of steel bands or hoops 15 connected by tie strips 16 attached to the trunnion members 12, and of such length that the bands 15 are preferably positioned within the bands or rings 17 of the barrel or drum 14. The bands or hoops 15 are adapted to be removably applied to the barrel or drum 14, and securely clamped thereto by means of clamping bolts 19 carried by ears or lugs 20 formed at the split portions of each of the bands 15, as clearly shown in Figures 1 to 3.

The hanger frame is adapted to be moved into its different positions by means of an operating arm or handle 22 which is integral or rigid with one of the trunnion members 12, and is also provided with a latching means which is operative to retain the hanger frame and drum in the different positions thereof. This latching means comprises a latch arm 24 pivotally connected at one of its ends to a bracket piece 25 which is rigidly secured to the arm or handle 22 and at right angles thereto, as shown in Figure 3. The bracket piece 25 is secured to the arm or handle 22 at such a point that when the arm or handle 22 is in vertical position the bracket piece 25 will project across a catch element 26 carried by the frame 5 and projecting outwardly therefrom in position for suitable engagement by the latch member 24. The outer or free end of the latch member 24 is provided with a set of recesses or notches 28 for engagement with the catch element 26, the said recesses being undercut, as clearly shown in Figure 4, for the more effective retaining engagement with the catch 26, as will be readily understood. The provision of a plurality of these notches 28 enables the barrel or drum hanger frame to be tilted into different angles with reference to the main frame or standard 5, Figure 3 showing broken lines representing said hanger and the drum 14 supported thereby rocked into horizontal position and retained in this re-

lation by means of the described latch device. Obviously, when the drum and hanger are restored to vertical position, as shown by the full lines in Figures 1 and 2, the bracket piece 25 will be projected across the catch device 26, allowing the latch member 24 to hang in freely suspended relation, as shown, and effectively preventing any movement of the drum out of its vertical position, in which position the drum of course requires a less effective latching function as the contents of the drum become gradually diminished, thereby lowering the center of gravity of the hanger portion of the construction.

It will thus be apparent that we have devised a practical, efficient and comparatively simple arrangement and construction for fulfilling the desired objects of the invention. The barrel or drum 14 is of course placed within the pivoted hanger with the faucet 29, used for dispensing the contents from the drum, at the upper end of the drum, so that as the latter is rocked into more or less inclined position the contents may be readily drawn off by the operation of the faucet 29. The improved rack or hanger construction is one that is especially adapted for use with drums containing oils, gasoline or any other liquid contents, of which it is desired to maintain a convenient supply in stores, or garages, or in many cases upon private premises. The latching means shown and described insures a reliable retention of the barrel or drum in any one of the positions into which it is tilted, while only the release of the latch is required to insure the return of the drum into its initial or upright position.

When the contents of the barrel have been completely drawn off, it is a simple matter to detach the hanger from the empty drum, and to reapply the hanger in properly and securely clamped relation to a barrel or drum containing a fresh supply of the liquid to be dispensed and mount the same in operative position, the trunnions having meanwhile been removed from the bearings 10 in the operation of changing from one barrel or drum to another.

While we have illustrated and described what we now regard as the preferred form of construction for embodying the invention, we desire to reserve the right to make such changes as may fairly fall within the scope of the following claims.

What we claim is:

1. A device of the character described comprising a fixed upright frame or standard, a barrel hanger frame pivotally supported by said standard, and adapted to support a barrel or drum in various different positions with reference to the pivotal axis of said hanger frame, a fixed catch element carried by said standard, an operating handle rigid with said hanger frame and provided with a right-angle bracket piece, and a latch member pivotally connected at one end to said bracket piece and freely depending therefrom, said latch member being adapted to engage said catch element for latching said hanger frame in any one of its operative positions.

2. A device of the character described comprising a fixed upright frame or standard, a barrel hanger frame pivotally supported by said standard, and adapted to support a barrel or drum in various different positions with reference to the pivotal axis of said hanger frame, a fixed catch element carried by said standard, an operating handle rigid with said hanger frame and adapted to contact with the catch element when occupying its vertical position, and a latch member pivotally connected at one end to said operating handle and adapted to hang dependently therefrom at the opposite side of said catch member from said handle when the hanger frame is in its vertical position and to engage said catch member when the hanger frame is swung from its vertical position.

In witness whereof we hereunto affix our signatures.

JESSE GOBLE.
EDGAR A. GOBLE.