W. L. FLORER.

BARREL OR TANK STAND

APPLICATION FILED MAR. 3, 1915.

1,175,739.

Patented Mar. 14, 1916.

2 SHEETS—SHEET 1.

Fig. 1.

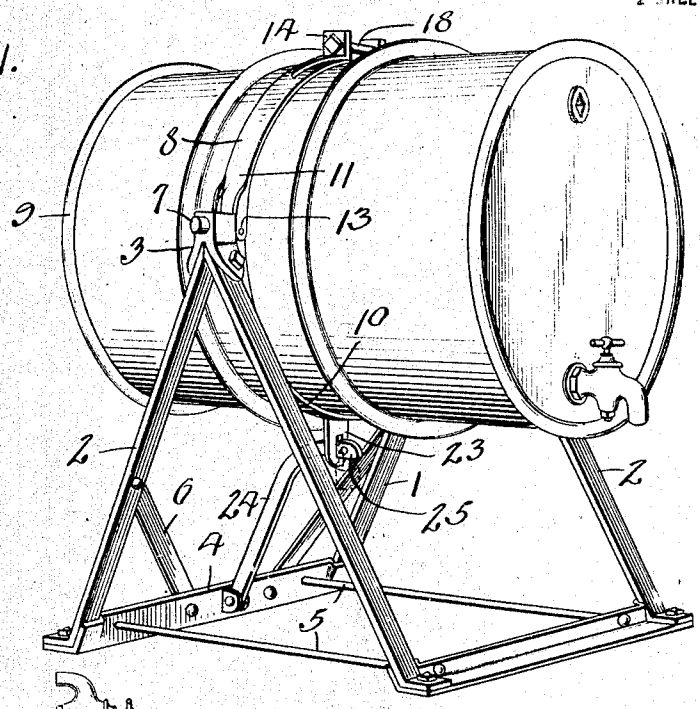


Fig. 2.

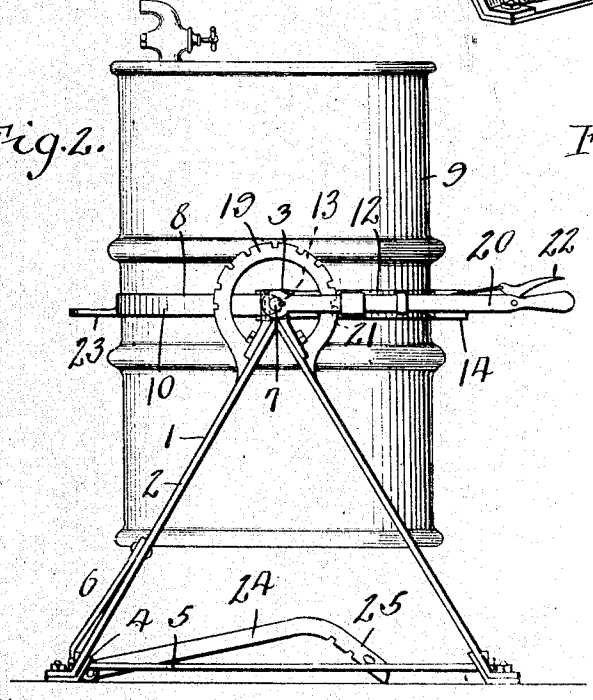
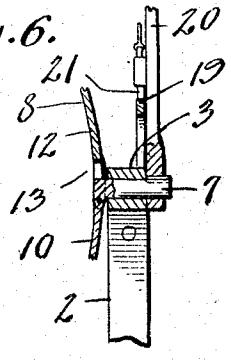


Fig. 6.



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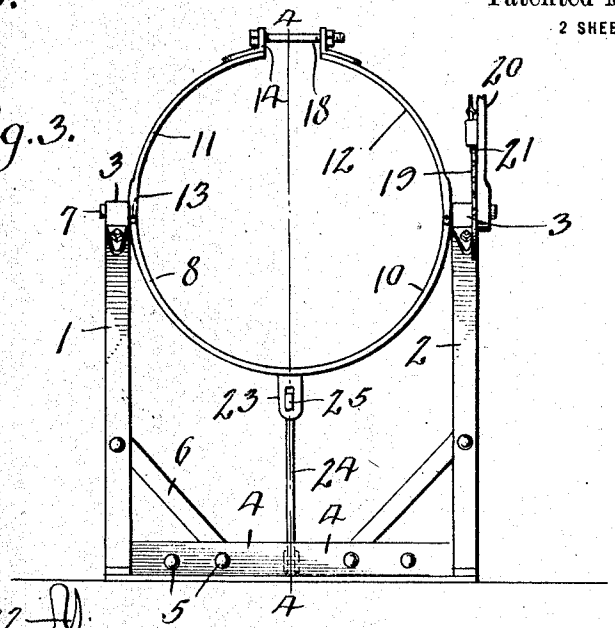
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2 SHEETS—SHEET 2.

Fig. 3.



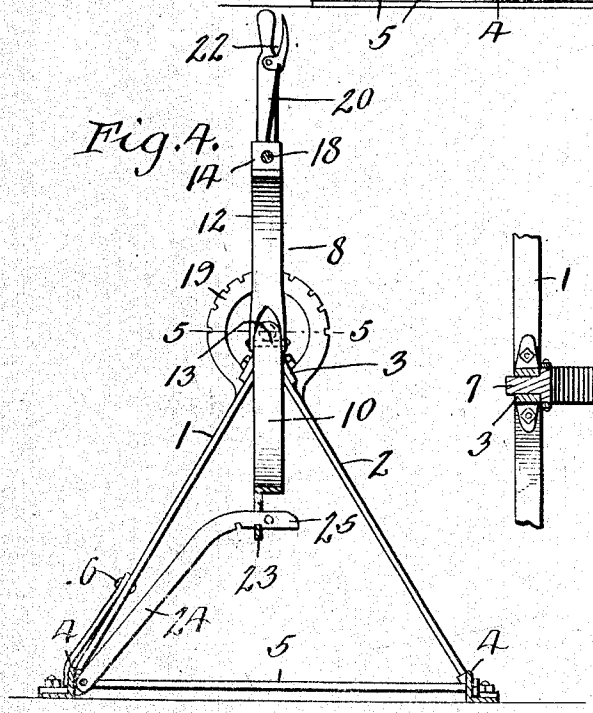
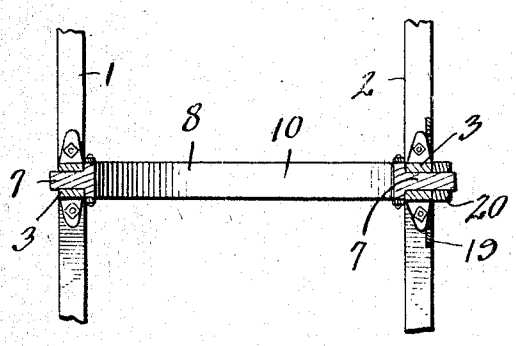


Fig. 4.

Fig. 5.



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UNITED STATES PATENT OFFICE.

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BARREL OR TANK STAND.

1,175,739. Specification of Letters Patent. Patented Mar. 14, 1916.

Application filed March 3, 1915. Serial No. 11,841.

To all whom it may concern:

Be it known that I, WILLIAM L. FLORER, a citizen of the United States, residing at Houston, in the county of York and State of Nebraska, have invented new and useful Improvements in Barrel or Tank Stands, of which the following is a specification.

The present invention relates to a stand for securing and supporting oil, gasolene or other tanks or barrels whereby the said tank or barrel may be tilted and sustained in said tilted position to permit of the outflow of the contents of the barrel or to permit of the filling of the barrel.

A further object of the invention is to provide a stand having an adjustable band trunnioned thereon, whereby the said band may be secured around barrels or tanks of varying dimensions, to provide one of the heads with a toothed wheel or segment of a wheel which is adapted to be engaged by a spring pressed pawl carried by a suitable lever arranged upon the device, so that the ring or band may be swung upon its trunnions and sustained at a desired angle with relation to the stand.

A further object of the invention is to provide a stand of this character with means whereby the barrel supporting ring or band may be locked to prevent the rotation of said band, so that the tilting of the barrel supported by the band will be prevented except by authorized persons.

With the above and other objects in view, the improvement resides in the construction, combination and arrangement of parts set forth in the following specification and falling within the scope of the appended claim.

In the drawings: Figure 1 is a perspective view of a stand constructed in accordance with the present invention illustrating the same supporting a barrel or tank and sustaining the same horizontally, Fig. 2 is a similar view looking toward the opposite side of the stand and showing the barrel tilted or arranged at an inclination to the stand, Fig. 3 is a view similar to Fig. 1 with the barrel removed, Fig. 4 is a central transverse sectional view approximately on the line 4—4 of Fig. 3, Fig. 5 is a horizontal sectional view approximately on the line 5—5 of Fig. 4, and Fig. 6 is a central vertical longitudinal sectional view illustrating the manner of locking the barrel engaging band or ring to prevent the rotation of the same.

The frame 1 includes sides 2 each of which comprises a pair of angularly arranged bars, their upper and meeting ends being provided with connecting members in the nature of heads 3. The lower and split ends of the bars comprising the sides 2 are connected preferably by angle bars 4, and the legs of the sides as well as the angle bars are sustained at their lower portions in proper spaced relation through the medium of longitudinal bars 5 which are secured to the angle bars 4 adjacent the ends thereof.

If desired, one of the angle bars may be provided with angular reinforcing members or straps 6 which are secured to the inner face of the said bar and which are extended angularly and are secured to one of the legs of each of the sides 2. Each of the heads 3 is formed with an opening providing a journal for a short shaft or trunnion 7 secured at diametrically opposite points upon a band or ring 8, the said ring adapted to encircle and to support a barrel or tank 9. The band or ring 8 preferably comprises three members, the lower member being indicated by the numeral 10, and it is adjacent the ends of said member 10 that the trunnions or short shafts 7 are provided. The remaining sections 11 and 12 respectively are hingedly secured to the ends of the section 10, as indicated by the numerals 13, and the ends of the sections 11 and 12 are provided with angular extensions or ears 14 having alining perforations and being threaded to receive the threaded shank of an adjusting bolt 18. Secured to one of the heads 3 upon one of the sides 2 is a segmental rack 19, while secured to the trunnion projecting through the head provided with said rack 19 is a lever 20, the said lever being provided with a spring pressed pawl 21 which is actuated by a handle 22, and the said pawl is adapted to engage between the teeth of the segmental rack 19 to sustain the ring or band 8 at a desired inclination with relation to the stand. The section 10 of the ring or band 8 is centrally formed with an outwardly projecting lug 23, the same having an opening, while the connecting bar 4 provided with the brace straps 6 have pivotally secured thereto an arm 24 having an angular end provided with a reduced tongue 25, the said tongue being preferably provided with a slot and the tongue is adapted to be passed

through the opening in the lug 23 to receive some suitable securing device, such as the hasp of an ordinary padlock. The arm is only brought into engagement with the lug when it is desired to sustain the ring or band in a vertical position with relation to the frame and to prevent the swinging of the same by the lever 20.

It will be noted that the sections 11 and 12 of the ring or band 8 may be swung away from each other when the bolt 18 is unscrewed from one of the ears 14 so that the barrel may be removed from engagement by the band and away from the frame and also whereby another and full barrel may be positioned in the frame and engaged by the band. To facilitate the arrangement of the band upon the barrel as a matter of fact, the frame may be moved toward the barrel and as the height of the frame is approximately equal to one-half of the length of the ordinary sized barrels or tanks the band or ring may be swung to its horizontal position and the members 11 and 12 swung against the barrel and the adjusting and securing element 18 being applied to the ears, thus securely securing the band upon the barrel. After this is accomplished, the lever 20 may be operated to swing the barrel to a horizontal position or to a position best suited for the delivery of oil therefrom. It is to be further understood that, if desired, the members 11 and 12 may be swung away from each other when the ring or band is in its vertical position and the barrel centrally deposited upon the member 10 of the said ring or band, after which the hinged sections 11 and 12 may be swung toward each other and brought into tight engagement with the barrel by the member 18. The arm 24, being pivoted or loosely connected with one of the arms 4 may be swung out of engagement with the lug 23, so that the free rotation of the band and the barrel supported upon the stand will not be interfered with.

From the above description, taken in connection with the accompanying drawings, the simplicity of the device, as well as the advantages thereof will, it is thought, be perfectly apparent to those skilled in the art to which such invention appertains without further detailed description.

Having thus described the invention, what I claim is:

In a device for the purpose set forth, a metal stand including spaced sides and members connecting the sides at the lower ends thereof, said sides each including a pair of angular bars having its upper end provided with a head, an adjustable ring or band having trunnions engaging bearings in the heads of the sides, means for rotating the band upon the stand, and means for locking the band against rotation upon the said stand.

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

WILLIAM L. FLORER.

Witnesses:

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AUGUST ZIMMERMAN.