

June 1, 1926.

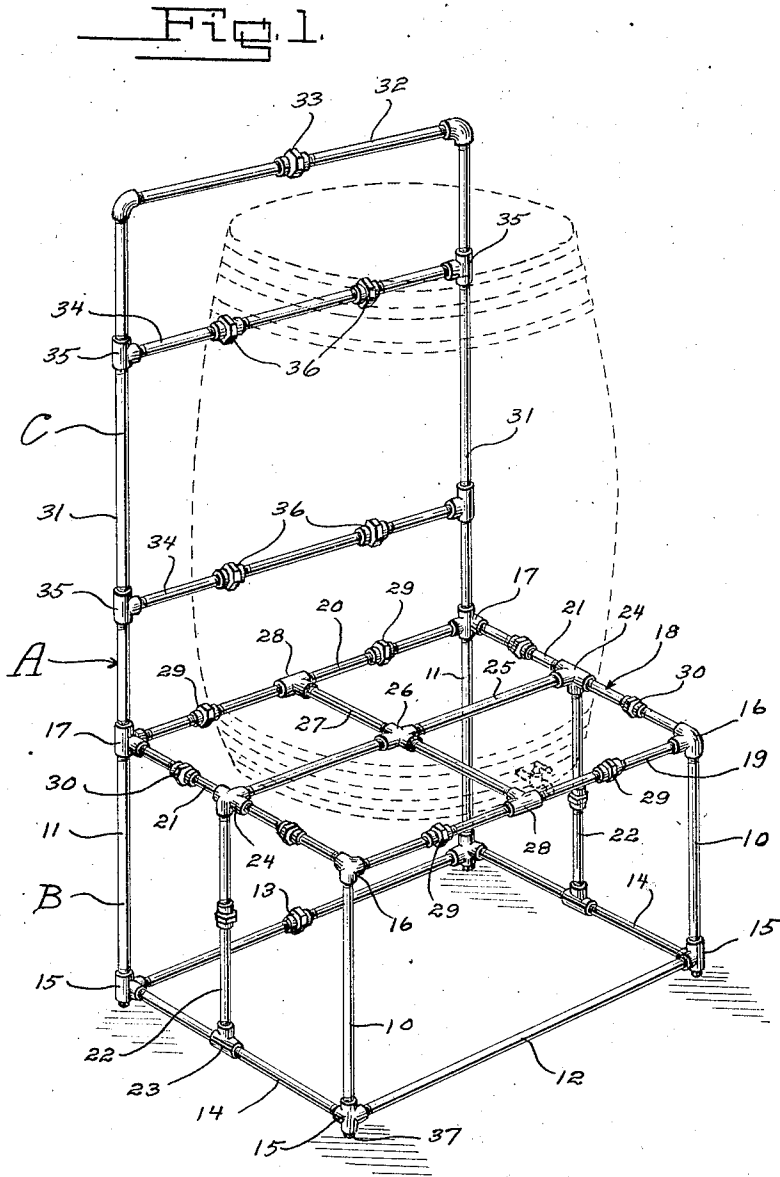
1,587,090

C. M. TWEED

COMBINED BARREL LIFT AND STAND

Filed Dec. 28, 1925

2 Sheets-Sheet 1



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Fig. 2.

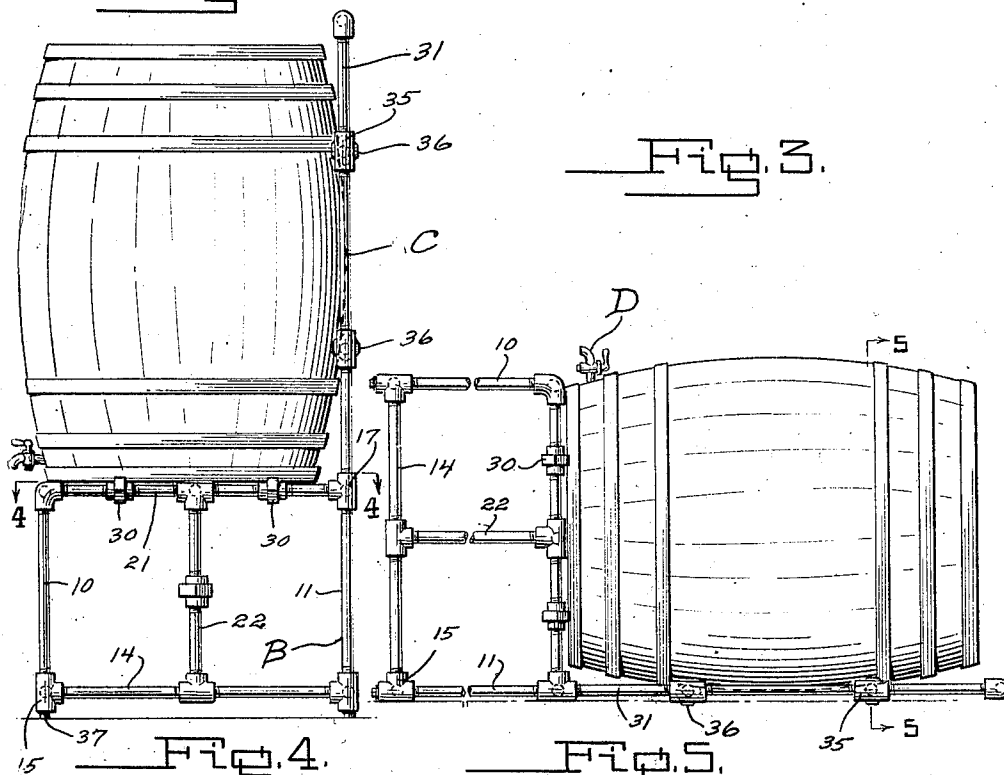


Fig. 3.

Fig. 4.

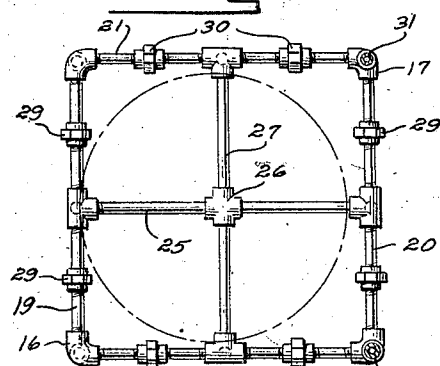


Fig. 5.

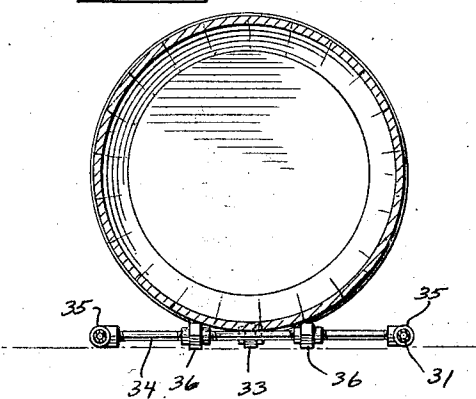
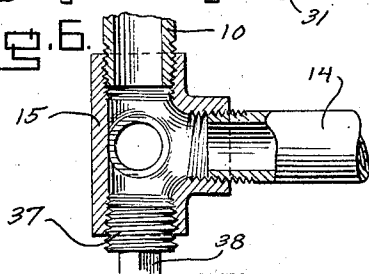


Fig. 6.



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UNITED STATES PATENT OFFICE.

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COMBINED BARREL LIFT AND STAND.

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The present invention relates to improvements in combined barrel lifts and stands, primarily intended to facilitate the handling of barrels or kegs containing liquids of various characters.

The primary object of the invention is to provide an improved combined barrel lift and stand whereby a barrel or keg may be disposed in an elevated upright position for permitting of the contents thereof being readily drained off through a suitable faucet or spigot positioned in the lower portion of the barrel.

A further object of the invention is to provide an improved barrel lift and stand constructed wholly of stock fittings and pipe lengths, with the fittings for certain of the pipe lengths serving to prevent movement of the barrel with respect to the lift and stand when the barrel is in either of its positions upon the device.

A still further object of the invention is to provide an improved device of this character which is extremely simple and durable in construction, and which when in a position for supporting the barrel in an elevated upright position, ample free space is provided beneath the barrel for placing of the measures or containers into which the contents of the barrel are drawn off.

Other objects and advantages of the invention will be apparent during the course of the following detail description, taken in connection with the accompanying drawings, forming a part of this specification and in which drawings:—

Figure 1 is a perspective view of the combined lift and stand and showing by way of dotted lines a barrel supported in an elevated upright position upon the stand.

Figure 2 is a side elevation of the improved device and showing a barrel supported thereupon for permitting of the contents being drawn from the barrel.

Figure 3 is a side elevation of the device in a lowered position and showing a barrel positioned upon the lift prior to being elevated into a position as illustrated in Figure 2.

Figure 4 is a horizontal section taken on line 4—4 of Figure 2.

Figure 5 is a transverse section on line 5—5 of Figure 3 and showing the manner in which the barrel is held in a position centrally of the lift.

Figure 6 is an enlarged fragmentary sec-

tion through one of the feet of the device and illustrating the manner in which the leveling of the device may be accomplished.

Referring to the drawings in detail, and wherein similar reference characters designate corresponding parts throughout the several views, the letter A may generally designate the improved device, embodying a stand B and a lift C.

The stand B which is substantially rectangular shape in plan, is formed with a pair of front upright sections 10 and a pair of rear upright sections 11, connected at their lower ends by a rectangular shaped lower frame embodying front and rear sections 12 and 13 respectively, and side sections 14. The upright sections 10 and 11 are connected at their lower ends to the frame forming sections by means of four way T fittings 15. Threaded upon the upper end of each of the front upright sections 10 are side outlet elbows 16, while each of the rear upright sections 11 have threaded to their upper ends, four way T's 17. A horizontally disposed platform 18 supported upon the upper ends of the uprights, 10 and 11, consist of a front horizontal support 19 having its ends threaded into confronting outlets of the elbows 16, a rear horizontal support 20 having its opposite ends threaded into the confronting outlet of the T fittings 17, and end supports 21 having their opposite ends threaded into the confronting openings of the fittings 16 and 17. Extending vertically and midway between the uprights 10 and 11, are brace sections 22 having their lower ends threaded into T fittings 23 of the side sections 14, and having their upper ends threaded into medially disposed four way T's 24 of the end supports 21. Extending longitudinally between the front and rear supports 19 and 20 respectively, and having its opposite ends threaded into confronting openings of the four way T fittings 24, is a rest section 25 connected centrally of its ends with a horizontally disposed cross 26. Extending in a like horizontal plane with the rest section 25, is a transverse rest section 27 having its inner ends threaded into oppositely disposed openings of the cross 26, and having its outer or terminal ends threaded into T fittings 28 disposed centrally of the front and rear supports 19 and 20 respectively. Connected in the front and rear horizontal supports 19 and 20 respectively, intermediate

the terminal and centrally disposed fittings thereof, are unions 29 which are employed for assembling purposes. Connected in each of the end supports 21, intermediate
 5 their terminal fittings 16 and 17 and their intermediately disposed fittings 24, are unions 30 also employed for assembling purposes. These unions 29 and 30, aside
 10 from permitting of assembly of the platform 18, and as will be readily observed from Figures 2 and 3, serve as means for preventing the barrel from sliding off of the platform due to the fact that the enlarged hexagonal shaped clamping nuts of
 15 the unions project upwardly past the uppermost portion of any of the remaining fittings of the platform.

Referring now to the lift C, the same embodies a pair of uprights 31 adapted to be
 20 threaded at their lower ends into the upper openings of the four way T fittings 17, and connected at their upper ends by a transverse handle portion 32 connected substantially midway of its ends by a union 33.
 25 Connecting the uprights 31, and extending in parallel relation with the handle portion 32, are spaced apart lift bars 34 having their terminal ends threaded into horizontally aligned T fittings 35 forming parts of the
 30 uprights 31. Connected in each of the lift bars 34, and spaced equidistantly to each side of the center of the bars, are retaining lugs or unions 36 which aside from permitting of assembling of the handle portion 32, also
 35 serves as means for retaining the handle portion a sufficient distance above the floor surface when the device is in a lowered position as illustrated in Figure 3. Figure 5 illustrates more clearly the manner in which the unions 36 prevent further rolling
 40 of the barrel after being properly positioned upon the lift. It will be observed that the union 33 aside from permitting of assembling of the handle portion 32, also serves as means for retaining the handle portion
 45 a sufficient distance above the floor surface when the device is in a lowered position for permitting of the operator to readily grip the handle portion for raising the device to an upright position.

50 Threaded upwardly into the lower screw threaded openings of each of the four way T's 15, are threaded plugs 37 provided with wrench squares 38. These plugs 37 serve as leveling means for the device, and it will be
 55 readily seen that such leveling may be accomplished by the placing of an end length upon the wrench squares 38 and threading the plug into or out of the T's.

60 In positioning a barrel in an upright position upon the device for permitting of the contents thereof to be readily drawn off, the combined lift and stand is first lowered to a position as illustrated in Figure 3, whereupon the barrel may be rolled upon the lift
 65 C until the same comes to rest between the

unions 36 and illustrated in Figure 5. The faucet or spigot D may then be positioned in the barrel in its proper place without liability of the barrel shifting during the positioning of the faucet. It may here be
 70 stated that the unions 36 form a four point support for the barrel and which not only prevents rolling of the barrel but also prevents rocking of the barrel. The operator may then grasp the handle portion 32 and
 75 upon raising of the same the device will pivot about the rear fittings 15 until the front fittings 15 have been brought into engagement with the floor surface and whereupon the barrel will come to rest upon the
 80 platform 18 and there held against undesirable lateral shifting by means of the unions 29 and 30. With the barrel thus elevated, the open space below the platform 18 forms
 85 a convenient place for placing the various containers or measures employed for withdrawing the contents of the barrel.

From the foregoing description it will be seen that an extremely novel and efficient
 90 combined barrel lift and stand has been provided which may be formed entirely of pipe lengths and stock fittings, and certain of which fittings for assembling of the device, are so arranged as to act as means for preventing movement of the barrel when in
 95 either of its positions upon the lift.

Various minor changes may be made to the form of invention herein shown and described, without departing from the spirit of the invention or the scope of the following
 100 claims.

I claim:—

1. A device for raising and supporting barrels in an elevated upright position, comprising a stand composed of tubular sections
 105 and coupling fittings for said sections, certain of said sections and coupling fittings providing a platform upon which the barrel rests in an upright position, and with certain of said coupling fittings for the bordering
 110 platform sections projecting upwardly past the platform in spaced relation at each side of the platform, and a lift composed of tubular sections, connected to and extending in a parallel plane with one side of said
 115 stand.

2. A device for raising and supporting barrels in an elevated upright position, comprising a stand embodying four upright corner sections, a rectangular frame connecting the lower portions of the corner uprights,
 120 sectional horizontal supporting sections connecting the top of the uprights, unions connecting the sectional horizontal supporting sections and disposed to each side of the longitudinal center of the sections, horizontal rest sections connected to the supporting sections at points substantially midway of the sections, and a lift embodying uprights
 125 connected with and extending in axial align-

ment with two of the upright sections of the stand, and horizontal lift bars connected in spaced relation on said uprights of the lift.

3. A device for raising and supporting
5 barrels in an elevated upright position, comprising a stand embodying a platform, uprights extending upwardly from two adjacent corners of the stand, a handle portion

connecting the upper ends of said uprights, tubular lift bars having their opposite ends 10 respectively threaded in said uprights, and unions connected in said lift bars and spaced to each side of the longitudinal centers thereof.

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