April 22, 1930. J. W. PARR 1,755,745

WEIGHT EQUALIZER FOR DISPENSING GASOLINE, OIL, ETC., FROM STORAGE DRUMS

Filed May 18, 1927

FIG. 1.

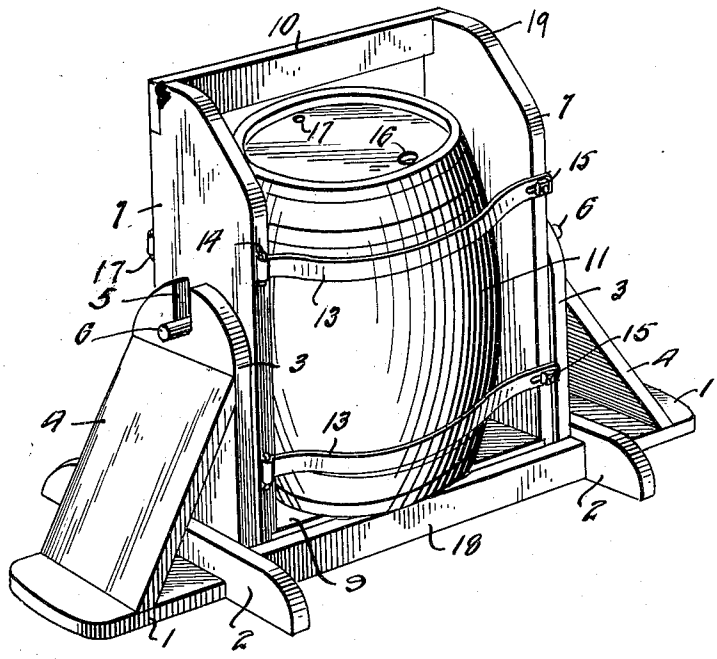


FIG. 2.

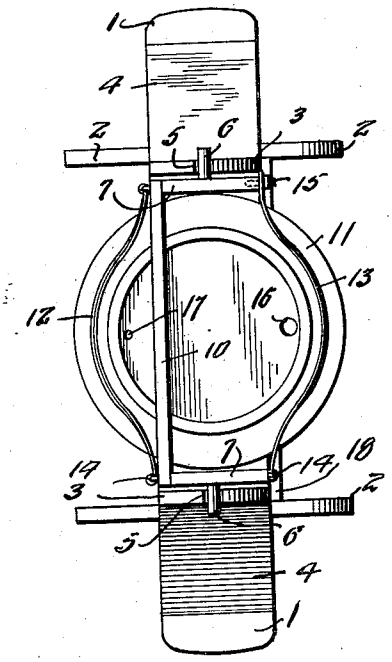
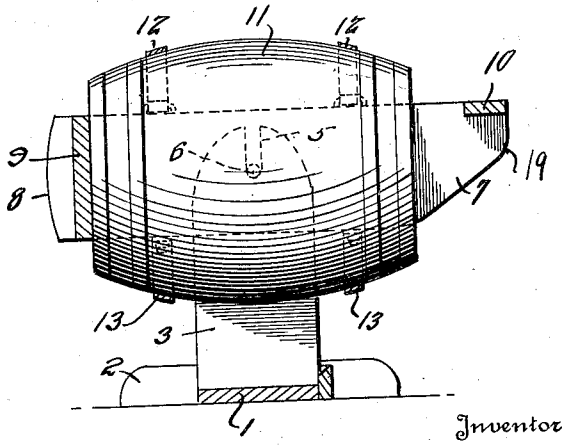


FIG. 3.



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WEIGHT EQUALIZER FOR DISPENSING GASOLINE, OIL, ETC., FROM STORAGE DRUMS

Application filed May 18, 1927. Serial No. 192,318.

My invention relates to a weight equalizer for dispensing gasoline, kerosene, oils, etc., from storage drums, and it is the object of my invention to provide novel mechanism for tiltably supporting a storage drum or barrel to permit of convenient dispensing of the contents thereof, to provide novel means for equalizing the weight of such storage drum to permit of its being easily tilted to a discharging position; to provide an efficient stand for such a drum; and to provide novel means for holding the drum in the stand.

I attain these and other objects of my invention by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my invention;

Fig. 2 is a top plan view of same; and

Fig. 3 is a vertical section, the storage drum or barrel being shown in side elevation.

Like numerals designate like parts in each of the several views.

Referring to the accompanying drawings, I provide a suitable base 1 having base extension members 2 and a bracing strip 18 extending between supports 2. I provide vertical supports 3 which are braced to the base 1 by the slantingly disposed bracing strips 4. The vertical supports 3 have slots 5 in which are mounted the pivots 6 carried by the frame members 7. Attached to the frame members 7 is a bottom strip 9 while attached to the upper end of the frame members is an overbalancing or weight-equalizing bar 10. Mounted on the bottom strip 9 is storage drum or barrel 11 for holding gasoline, kerosene or oils. I provide spaced metal straps 12 fastened to eyes 14 attached to the vertical frame members 7 as shown in Fig. 2 and additional straps 13 on the opposite side of the barrel attached at one end to eyes 14, the other end of the straps being detachably attached by bolts 15 to the frame members 7 as shown in Figs. 1 and 2 permitting of convenient removal of an empty storage drum and replacement with a full one. The storage drum or barrel is provided with a discharge opening or faucet 16 and with a smaller opening 17 functioning as an air passage, as shown in Fig. 1.

The frame members 7 extend up a sufficient distance above the top of the storage drum, in connection with the weight of the bar 10, to overbalance the weight of the lower portion of the equalizer frame and drum, so that the entire frame carrying the storage drum may be swung on its pivots by a small pressure with one hand. After the desired amount of fluid is taken (no matter how small the amount of the contents in the drum), the drum will immediately right itself to a perpendicular position, thereby eliminating any waste caused by leaking faucets or valves which are attached to drums that are ordinarily left in a horizontal position.

The portions 19 of the frame members 7 will function as stop elements if the drum is tilted too far, to prevent it from swinging to a reverse position.

The strip 18 functions to prevent the frame member from swinging past a perpendicular position when the storage drum is swung back from a horizontal or discharging position, as it will contact with the bottom frame member 9, as will be apparent by reference to Fig. 1 of the drawings.

The vertical frame members 7, the bottom strip 9 and the bar 10 will be referred to in the following claim as the "weight-equalizer frame." The term "base" as used in the following claim shall be construed to include both members 1 and 2. The straps 13 are preferably metal straps but may be of any suitable material.

What I claim is:—

A weight-equalizer frame of suitable size to support a storage drum, said frame comprising a bottom strip, spaced vertical frame members attached to the bottom strip and of substantial height and an over-balancing bar

attached to and connecting the upper ends of the aforesaid frame members, means for releasably securing the drum in said frame, pivots mounted on the frame, vertical supports in which the pivots are mounted and a base to which the vertical supports are rigidly secured, and a strip attached to the base and extending in front of the bottom strip of the weight-equalizer frame to function as a stop member to prevent the frame from swinging past a vertical position when it is released from a horizontal position.

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