

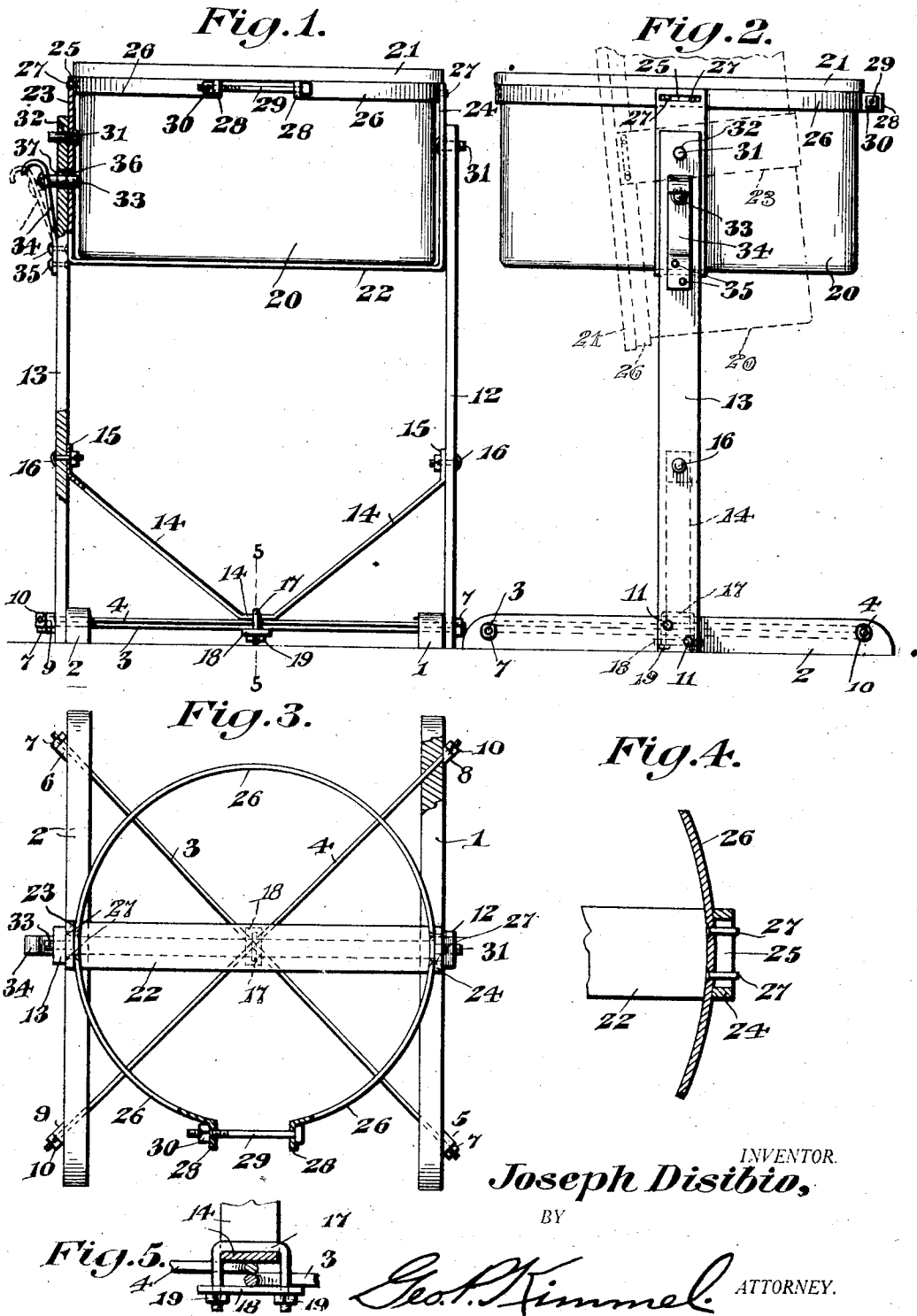
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TILTING STAND FOR CROCKS

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UNITED STATES PATENT OFFICE.

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TILTING STAND FOR CROCKS.

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This invention relates to a tilting stand designed primarily for use in connection with crocks, but it is to be understood that a stand in accordance with this invention can be employed for any purposes for which it is found applicable, and the invention has for its object, to provide a stand of the class referred to, in a manner as hereinafter set forth, to enable the easy handling of crocks of the five, ten and fifteen gallon sizes to eliminate hard labor and trouble of lifting the crocks when full to empty, and further to maintain the crocks in a vertical position to prevent the accidental tilting thereof to overcome wasting of the contents thereof.

Further objects of the invention are to provide, in a manner as hereinafter set forth, a tilting stand for the purpose referred to, which is simple in its construction and arrangement, strong, durable, compact, thoroughly efficient in its use, conveniently operated, readily assembled and comparatively inexpensive to manufacture.

With the foregoing and other objects in view the invention consists of the novel construction, combination and arrangement of parts, as hereinafter more specifically described and illustrated in the accompanying drawings, wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which fall within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views:—

Figure 1 is a sectional elevation, looking to the front thereof, of a tilting stand in accordance with this invention and further showing the adaptation thereof will respect to the supporting of a crock.

Figure 2 is a side elevation of a tilting stand, in accordance with this invention, showing the adaptation thereof in connection with the supporting of a crock and further illustrating in dotted lines a crock tilted.

Figure 3 is a top plan view of the stand partly in section.

Figure 4 is a fragmentary view, in section, of the holder.

Figure 5 is a section on line 5—5 Figure 1.

Referring to the drawings in detail, 1 and 2 denote a pair of base members arranged in parallelism and spaced from each other. The base members stand on edge and are of appropriate height. The base members 1 and 2

are connected together by a pair of oppositely extending diagonally disposed brace rods, 3, 4 which cross each other at the center thereof. The brace rod 3 extends through the base member 1, at an inclination, in proximity to one end thereof and also extends through the base member 2, at an inclination near one end thereof. The ends of the brace rod 3 are provided with washers 5, 6 which abut respectively against the outer faces of the base members 1, 2. The ends of the brace rod 3 are provided with securing nuts 7 which bind against the washers 5, 6. The brace rod 4 is connected to the base members 1 and 2 in the same manner as the brace rod 3 and said brace rod 4 is provided with washers 8, 9 and securing nuts 10.

Connected to the outer face of each of the base members, centrally thereof, by the hold-fast devices 11, is a vertically disposed standard or post. The standard secured to the base member 1 is indicated at 12 and that secured to the base member 2 is indicated at 13. Arranged between the standards 12 and 13, is a V-shaped brace element 14 having each of its ends formed with a vertically disposed flange 15. The flanges 15 are positioned against the inner faces of the standards 12, 13 and fixedly thereto by the hold-fast devices 16. The base of the brace element 14 is secured to the brace rods 3, 4 centrally thereof, by a coupling device consisting of an inverted yoke 17 which overlaps the element 14 and bars 3, 4 and carries a coupling plate 18, maintained against the rods 3, 4, by securing nuts 19 carried on the lower ends of the arms of the yoke 17.

Arranged between the upper ends of the standards 12, 13, is a tiltable holder for the crock or other vessel 20, and the latter is provided with a bead 21 at its top which seats upon the holder when the crock 20 is mounted therein. The holder consists of a U-shaped body portion 22 having its arms indicated at 23, 24. The upper end of each of said arms is formed with a transversely extending slot 25 and which provides means for connecting a split annulus 26 to the arms 23, 24. The annulus 26 has its outer face formed with two pairs of spaced lugs 27. The pairs of lugs are diametrically opposed and one pair of lugs extends into the slot 25 of the arm 23 and the other pair extends into the slot 25 of the arm 24 thereby providing a slidable support for the annulus. The ends of the annulus are outwardly

flanged as at 28 and said flanges are apertured for the passage therethrough of an adjusting bolt 29 which carries a securing nut 30. The bolt 29 is provided for tightly clamping the said annulus 25 to the crock 20 and when the latter is mounted in the holder the bead 21 seats upon the top edge of the annulus 25. Each of the arms of the body portion 22 is formed with an outwardly extending pivot 31 which is mounted in an opening 32 formed near the upper end of the standards.

To prevent the accidental tilting of the holder, a spring controlled latch is provided and which consists of a locking pin 33 carried by a resilient member 34, which is fixed, by the hold-fast devices 35, at its lower end to the outer face of the standard 13. The arm 23 of the body portion 22 is provided with an opening 36 which registers with an opening 37 formed in the standard 13 and through said registering openings 36, 37 is adapted to extend the pin 33 and when the pin 33 extends through said opening the body portion 22 is prevented from shifting on its pivot thereby maintaining the crock 20 in an upright position. The member 34 tends to normally maintain the pin 33 in a position to prevent the pivoting of the body portion 22.

It is thought the many advantages of a tilting stand, in accordance with this invention and for the purpose referred to, can be readily understood, and although the preferred embodiment of the invention is as illustrated and described, yet it is to be understood that changes in the details of construction can be had which will fall within the scope of the invention as claimed.

What I claim is:—

1. A tilting stand for a vessel comprising a pair of standards, a base common thereto, a vessel holder pivotally supported from and extending above said standards and including a U-shaped slotted body portion, the slots in said body portion arranged above the

pivot means for the holder, a split annulus positioned within the upper part of said body portion and having means coacting with the slots of the latter to provide a slidable supporting connection between the annulus and the holder, and means for adjustably connecting the split ends of the annulus together.

2. A tilting stand for a vessel comprising a pair of standards, a base common thereto, a vessel holder pivotally supported from and extending above said standards and including a U-shaped slotted body portion, the slots in said body portion arranged above the pivot means for the holder, a split annulus positioned within the upper part of said body portion and having means coacting with the slots of the latter to provide a slidable supporting connection between the annulus and the holder, means for adjustably connecting the split ends of the annulus together, and a spring controlled means secured to one of the standards, extending therethrough and further engaging with one side of the body portion to prevent the holder from pivoting relative to the standard.

3. A tilting stand for a vessel comprising a pair of standards, a U-shaped element arranged between and projecting above said standards and having each of its arms provided with a pivot journaled in one of the standards, said element further having each of its arms formed with a transverse slot, a vessel support in the form of a split annulus provided with diametrically opposed pairs of laterally extending lugs mounted in said slots to provide a slidable supporting connection between the annulus and said element, means for connecting the split ends of the annulus together, to clamp the latter to the vessel, and means for detachably locking the element relative to the standards to prevent the tilting of the element.

In testimony whereof, I affix my signature hereto.

JOSEPH DISIBIO.