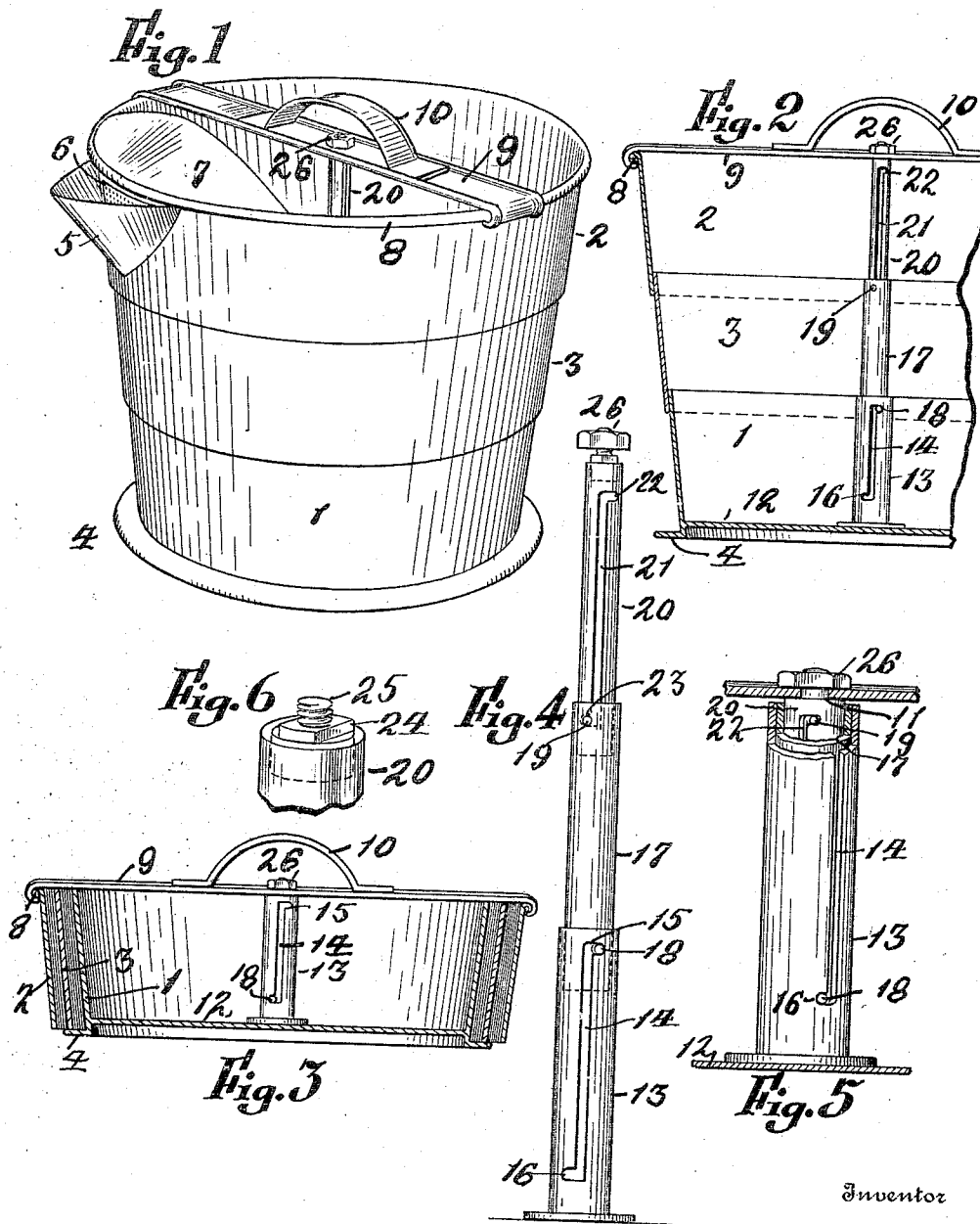




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COLLAPSIBLE RECEPTACLE.

1,296,742.

Specification of Letters Patent.

Patented Mar. 11, 1919.

Application filed March 21, 1918, Serial No. 223,758. Renewed December 23, 1918. Serial No. 268,087.

To all whom it may concern:

Be it known that I, CHARLES C. BEVINGTON, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented new and useful Improvements in Collapsible Receptacles, of which the following is a specification.

This invention relates to collapsible buckets or pails and the purpose of the same is to provide a simple and effective construction whereby a device of this class may be reduced to compact form for storage or other purposes and having means coöperating with the parts thereof whereby the latter may be held in their open or expanded relation without liability of accidental collapsing. The invention more particularly relates to buckets and pails designed for the use of tourists, motorists and the like; wherein the device is simple in construction and capable of being collapsed when not in use and readily expanded for use. More particularly the invention pertains to the means for holding the telescopic sections of the buckets or pails in their open or expanded condition said means adapted to collapse with the collapsing of the bucket or pail when the latter is moved to its compact form.

With the foregoing and other objects in view, the invention consists in the novel construction, combination and arrangement of parts constituting the invention to be hereinafter specifically described and illustrated in the accompanying drawings which form a part hereof wherein is shown the preferred embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which come within the scope of the matter hereinafter claimed.

In the drawings in which similar reference numerals indicate like parts in the different figures,

Figure 1 is a perspective view of the bucket or pail embodying the present invention.

Fig. 2 is a transverse sectional view of the same.

Fig. 3 is a transverse sectional view of the device in its collapsed or compact form.

Fig. 4 is a side elevation of the mechanism used for holding the bucket or pail in its expanded position.

Fig. 5 is a view of the device shown in Fig. 4 in its collapsed position, and

Fig. 6 is an enlarged detail of the upper end of the device shown in Figs. 4 and 5.

Referring to the drawings in detail the bucket comprises a lower section 1, an upper section 2 and an intermediate section 3 all of which sections are in the form of hollow inverted conic frusta and of such dimensions that when the upper section 2 is moved to its upper position it frictionally engages the section 3 and the section 3 engages the section 1 to form an approximate telescopic connection having fluid tight joints between the sections and when in its inoperative or collapsed position the sections are adapted to nest or be collapsed to occupy a minimum amount of space. The section 1 is provided with an ordinary base flange 4 and the upper section 2 with a pouring spout 5 which communicates with the interior of the bucket by the usual opening which is guarded by a strainer 6 and immediately above the strainer 6 is a shield 7. The upper edge of the upper section 2 is provided with a beading 8 which usually comprises a ring-shaped wire about which the material of the section is rolled or fashioned so as to provide a rounded upper edge for the entire device. Extending diametrically across the upper member 2 between opposite portions of the beading 8 is a cross bar 9 the median portion of which is provided with a handle 10 and below the handle 10 the bar 9 is provided with an aperture 11, see Fig. 5. The bucket or pail embodying the features of the invention simulates an ordinary telescopic or folding drinking cup. While it is possible to have the upper edge of one section and the lower edge of the next section throughout the series of sections frictionally engage each other with such a degree of tightness or firmness to prevent the bucket or pail from collapsing under ordinary usage, it will be understood that it is far preferable to provide means whereby the pail structure may be rendered substantially rigid when the several sections are disposed in their open or expanded position or arranged to form a practical bucket or pail.

The lower section 1 is provided with a floor or lower wall 12 which is preferably formed integral with the side wall of the section 1 so that the lower section is approximately cup-shaped in transverse cross section. Mounted centrally on the lower wall 12 is a tubular standard 13 in the wall of which is a longitudinally-extending slot

14 having an offset 15 at its upper end and an offset 16 at its lower end. Slidably mounted in the tubular standard 13 is a sleeve 17 having near its lower end a radially-projecting pin 18 adapted to travel in the stud 14 when the member 17 is moved longitudinally with respect to the standard 13. The upper inner face of the sleeve 17 is provided with a transversely-extending pin 19. Slidably mounted in the sleeve 17 is a plunger 20 provided with a longitudinally-extending slot 21 the upper end of which is provided with an offset 22 and the lower end with a similar reversely-disposed offset 23. Secured to the upper end of the plunger 22 is a head 24 provided with a threaded stud 25 arranged to receive a clamping nut 26. When positioned the standard 13 is disposed centrally of the lower section 1 and secured to the lower wall 12 thereof and the stud 25 extends through the opening 11 in the bar or bail 9 of the upper section and is secured through the medium of the clamping nut 26. When it is desired to move the sections 1, 2 and 3 to their expanded positions the intermediate sleeve 17 is given a partial rotation which moves the pin 18 out of the offset 16 and permits it to travel in the slot 14 and at the same time disconnects the offset portion 23 of the slot 21 from the pin 19 and the various sections may be moved to their extended position and a partial rotation of the sleeve 17 locks the pin 19 in the offset 23 of the slot 21 and also locks the pin 18 in the offset 15 thereby holding the various sections in their expanded position. In order to collapse the pail a partial rotation of the sleeve 17 is induced and the pin 19 being free from the offset 23 and the pin 18 free from the offset 15 the entire pail may be collapsed by forcing the upper sections downward so that when in their collapsed position they are arranged as shown in Fig. 3.

I claim,

1. A bucket comprising a plurality of sections in the form of hollow conic frusta and

arranged for telescopic engagement and arranged to be moved to an inoperative and collapsed position and also moved to an extended or open position, the lower section provided with a lower wall whereby said lower member is cup-shaped in cross section, a tubular standard mounted centrally of said lower wall, a plurality of members telescopically mounted with respect to said standard, the upper member connected with the upper section of said bucket and adapted to move in unison therewith.

2. A bucket comprising a plurality of sections in the form of hollow conic frusta and arranged for telescopic engagement and arranged to be moved to an inoperative and collapsed position and also moved to an extended or open position, the lower section provided with a lower wall whereby said lower member is cup-shaped in cross section, a bar extending across the upper portion of the upper member of said bucket, a tubular standard mounted centrally of said lower wall and provided with a longitudinally-extending slot having offset portions at both ends, a rotatable sleeve mounted in said standard having a transversely-extending pin near its upper end and also provided with a pin near its lower end the latter adapted to travel in the slot in said tubular standard, a plunger adapted for slidable movement in said sleeve member and provided with a slot adapted to receive the upper pin in the sleeve member and having an offset portion arranged to coact with the pin in the sleeve member for holding all of said members in their extended position, the arrangement being such that when said sleeve member is rotated it disconnects the pins carried thereby from engagement with the upper member and tubular standard to permit the collapsing telescopically of the entire structure in unison with the telescopic collapsing of the members of said bucket.

In testimony whereof I have hereunto set my hand.

CHARLES C. BEVINGTON.

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