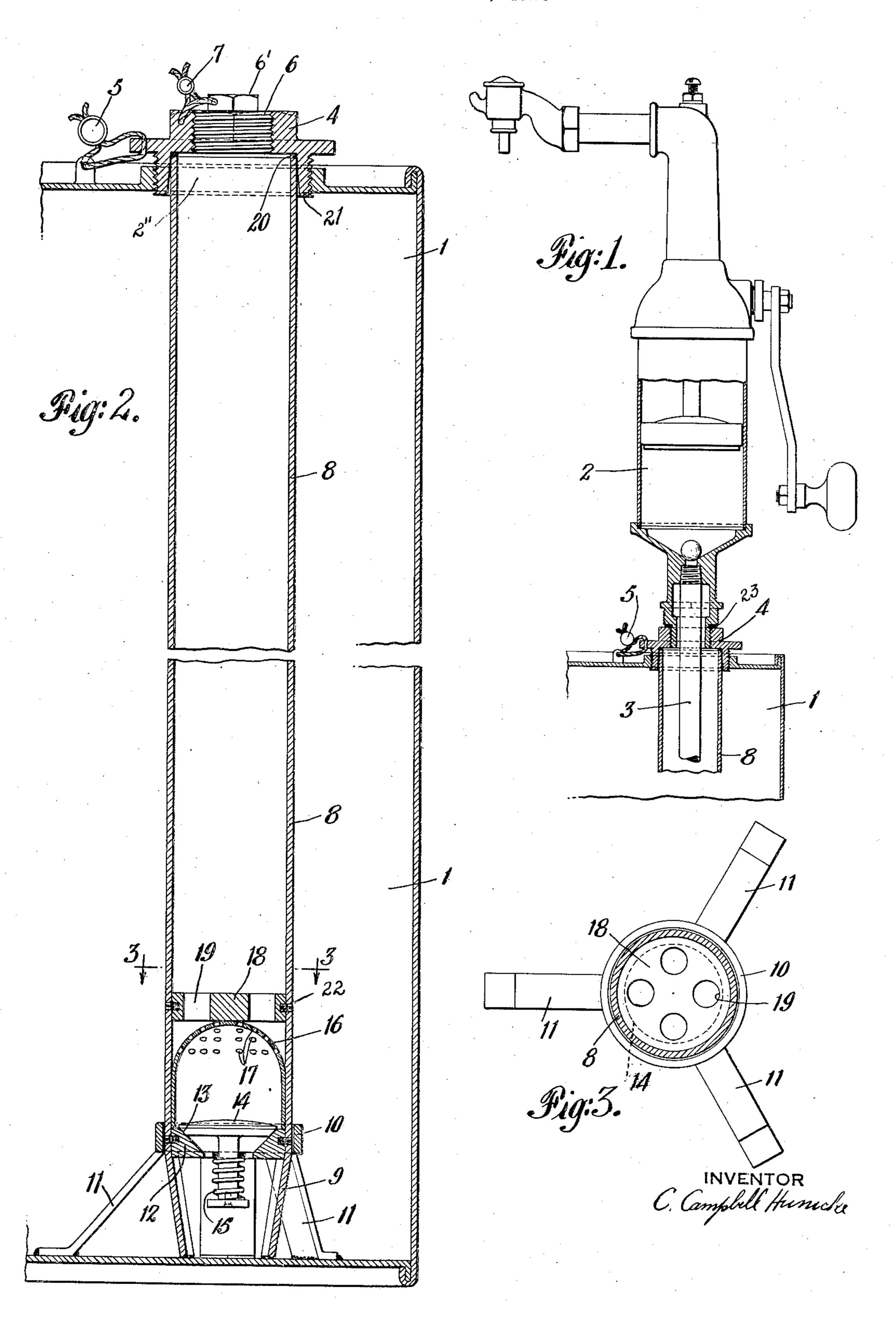
NONADULTERABLE CONTAINER

Filed Dec. 7, 1928



STATES PATENT OFFICE

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MONADULTERABLE CONTAINER

Application filed December 7, 1928. Serial No. 324,525.

This invention relates to non-adulterable one of the heads. The usual bung 4 may be containers.

5 higher grades of oil the bungs are sealed. is adapted to receive well 8. Well 8 may be 55 10 the public to the use of the better grades of and air tight connection and to permit of 60 better grades thereon.

from the usual form of drum. Still another known forms of bung sealing means. object of the invention is to provide a non- Within well 8 I provide guard 18 having 75 relatively low cost.

Referring to the drawings:

35 the device.

invention.

of the arrows.

oils is of sheet metal and has a head at flow of oil. Any puncturing of the walls of each end. These heads are either welded well 8 will prevent the flow of oil since the 45 or crimped within and to the cylindrical side walls at each end.

My device can be utilized with any of the

commercial drums.

In carrying out my invention the usual

threaded or welded or otherwise secured In the oil industry it is customar, to ship within the bung hole. Cylindrical collar 21 lubricating oil in drums and in the case of which forms the securing means of bung 4 Such protection is only efficacious during of metal tubing or other suitable material. shipment as the service man is obliged to A washer 20 of cork or other suitable maopen a bung to insert his oil pump. Con- terial is located between the end of tubing siderable money has been spent to educate 8 and the underside of bung 4 to provide oil but avaricious and unscrupulous garage more tightly securing of bung 4 where it is and service station men are substituting in- threaded into the bung hole. A screw ferior oils by refilling drums that originally, threaded hole 6 in bung 4 communicates contained the better grades of oil and which with the interior of well 8 and the atmos-15 have the trademark or other indicia of the phere. Plug 6' is adapted to fit therein for 65 shipment purposes and I propose to pro-One of the objections of this invention is vide a seal 7 which may be secured to cap to provide a drum, the contents of which 6' and bung 4 to prevent tampering in shipcannot be adulterated or refilled by the ment. Bung 4 is likewise sealed to the head 20 garage or service men without indicating of drum 1 by seal 5 to prevent tampering 70 such fact. Still another object of the in- while the drum is on service. Although I vention is to provide a non-adulterable drum have shown one form of sealing yet my inwherein only the bung requires a change vention is adapted to utilize any of the well

adulterable drum wherein the usual form holes 19 and secured by any well known of delivery pump may be used. A still fur- means to the walls of well 8 such as by screws ther object of the invention is to provide 22. Below guard 18 I provide spacing shield means to prevent the adulteration of the con- and strainer 16. Below strainer 16 is valve 30 tents of a drum which means shall be of seat 12 and valve 14. Valve 14 is preferably 80 a mushroom or poppet valve with seating spring 15. Valve seat 12 guides the stem. Figure 1 is a view in elevation partly in and supports valve 14. The lower portion of section showing a pump in connection with tube 8 has cut out flaps 9 which are bent in to permit the oil to flow into the bottom part 85 Figure 2 is a view in longitudinal section of well 8 and to prevent valve 14 from being of a device embodying the principles of my forced down from above. In the event of the forcing down by breaking down guard Figure 3 is a sectional view along the line 18 and crushing of spacing strainer 16 with 40 3, 3, of Figure 2, looking in the direction the consequent displacement of valve seat 12 90 to the bottom of the well 8, the flaps 9 will The usual metallic drum for shipment of simply close up the openings and prevent the same vacuum must be created between pump 95 shaft 3 and well 8 as occurs in pump shaft 3. Any removal of bung 4 will be indicated by the breaking of seal 5.

I preferably provide some means of secur-50 drum 1 has the customary bung hole 2" in ing the tubing to the bottom of the drum to 100 prevent breakage or displacement of well 8 from bung 4 due to the movement of the oil in shipment. The form shown is ring 10 having feet 11 which may be welded to the drum head.

In operation drum 1 is filled in the usual way at the refinery and well 8 is likewise filled. Cap 6' is inserted and the seals 5 and 7 are secured and the drum is ready then for shipment. Upon receipt by the garage or service station man cap 6' is removed and pump 2 is screwed into bung 4. A washer 23 should be used as shown in Figure 1 to give an air-tight connection. The pump is now 15 ready to deliver. As the oil is withdrawn from well 8 by pump 2 valve 14 opens permitting the withdrawal of oil as replacement in well 8. Valve 14 opens and closes with each stroke of the pump and is normally 20 closed.

What I claim is:

1. A container, an opening in said container, a ring in said opening, a tubular well secured to said ring, a packing ring between the end of said well and said ring, said ring adapted to receive a shipping cap and a pump, said well adapted to receive the shaft of a pump, openings in the bottom of the walls of said well, said openings formed by bent in cutout tongues, a valve seat secured in said well by said bent in tongues, a valve supported and guided by said valve seat, a spring to normally maintain said valve closed, a spacer and strainer above said valve and secured to the walls of said well.

2. A container comprising a drum having two heads, a bung opening in one of said heads, a bung for said bung opening, said bung adapted to receive on its underside a tubing forming a well, a gasket between the end of said tubing and said bung, a threaded opening in said bung adapted to receive a shipping cap and a pump, means for sealing said bung to said drum head, means for sealing said shipping cap to said bung, the walls of said well at the lower end having tongues cutout and bent in to permit ingress of the contents of said container into said well and to support a valve seat in said well, a valve seat in said well, a valve for said valve seat, a spring to maintain said valve against its seat except when the contents of said well are removed by a pump therein, a spacer and strainer above said valve, a guard above said spacer and strainer, means for securing said guard to the walls of said well.

Signed at New York, in the county of New

York and State of New York.

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