

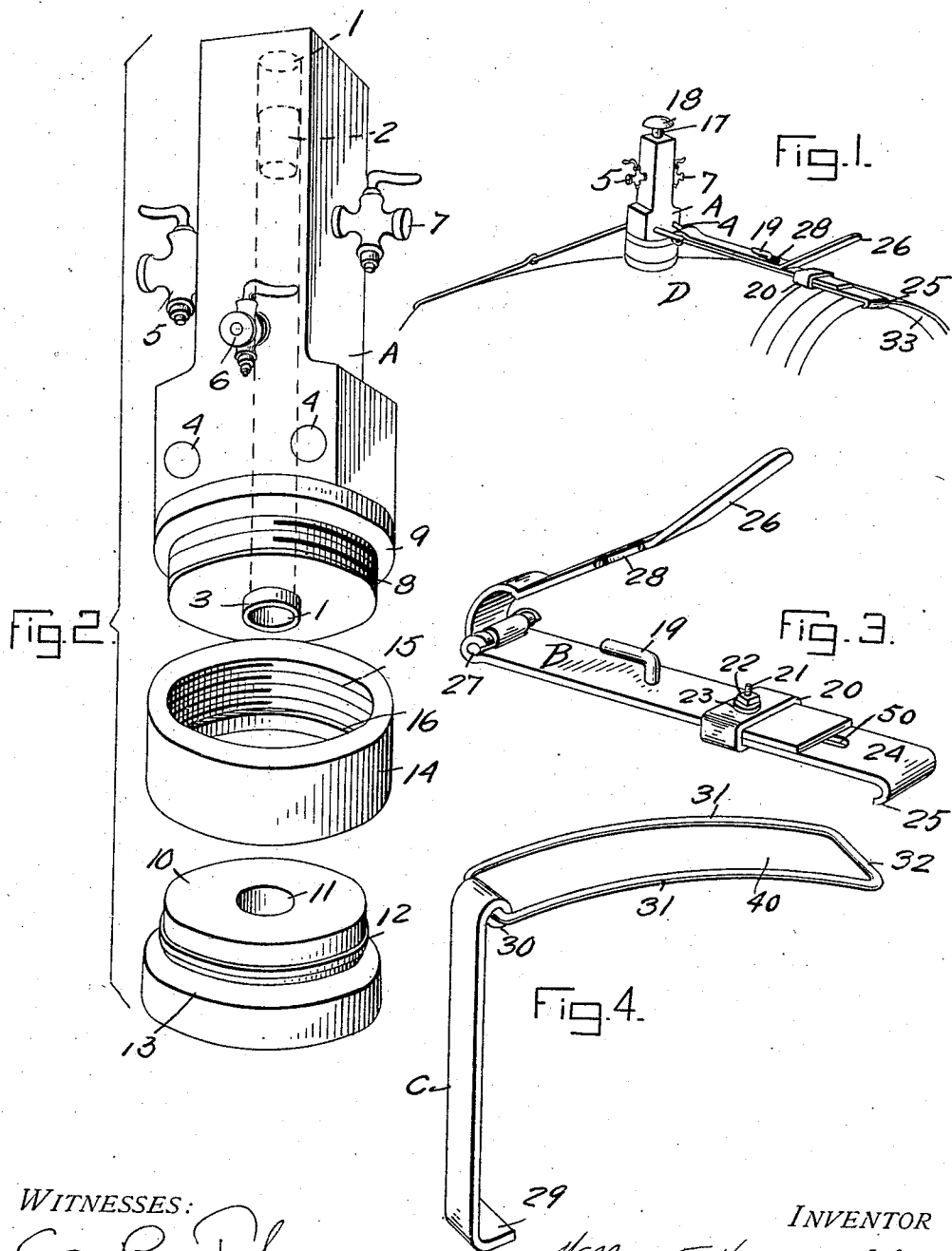
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PATENTED OCT. 22, 1907.

W. F. KUSZMAUL, JR.

DEVICE FOR FILLING AND CHARGING LIQUIDS UNDER PRESSURE.

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WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM F. KUSZMAUL, JR., OF BALTIMORE, MARYLAND.

DEVICE FOR FILLING AND CHARGING LIQUIDS UNDER PRESSURE.

No. 868,931.

Specification of Letters Patent.

Patented Oct. 22, 1907.

Application filed September 25, 1906. Serial No. 336,173.

To all whom it may concern:

Be it known that I, WILLIAM F. KUSZMAUL, JR., a citizen of the United States, residing at Baltimore city, State of Maryland, have invented certain new and useful Improvements in a Device for Filling and Charging Liquids under Pressure, of which the following is a specification.

This invention relates to improvements in means for filling and charging liquids under pressure, and its object is to provide a novel and improved device, of simple and improved construction, and which may be readily attached to a receptacle, as a barrel.

To this end, the invention may be said to consist in certain features of construction and combinations of parts herein shown and described, and more particularly set forth in the claims.

In the drawings: Figure 1 is a perspective view of the invention applied to a barrel; Fig. 2 is a collective view of the filling head, with its washer and collar; and Figs. 3 and 4 are perspective views of the clamping members, the member shown in Fig. 3 being slightly broken away to show the slot therein.

Referring to these views, A indicates the filling head, to be made of any suitable material, but preferably of brass. This head is bored, as at 1, in a longitudinal direction; and, communicating with this bore, are spigots 5, 6 and 7. The lower end of the head is reduced, forming the shoulder 9, the reduced portion being threaded, as at 8. A collar 14 is internally threaded, as at 15, to be secured on the reduced portion of the head, and has a basal internal groove 16. A rubber gasket 10, centrally apertured as at 11, is designed to be fitted within the collar and against the lower end of the filling head, and, to this end, is of greater diameter at the bottom than at the top, presenting the upward-facing shoulder 13 which engages the bottom of the collar, and has a bead 12 on its upper part which takes into the groove 16. A downward-extending flange 3 around the lower end of the bore 1 may be provided to enter the aperture 11 in the gasket.

The following means enable the head, with its collar and gasket, to be secured over the bunghole of the barrel: Two horizontal apertures 4 are formed through the base of the head at the two sides of the longitudinal bore 1, for the purpose of receiving the parallel side members 31 of the oblong loop section 40, constituting one part of the clamping means. To one end of this loop section, is secured the strap C, very conveniently by bending the end of the strap, as at 30, about the end of the loop section; and the outer end of the strap is hooked, as at 29, to engage one end of the barrel D (shown in Fig. 1). The end 32 of loop section 40 is designed to be removably connected with the extensible strap member B, by means of the lever 26 which is pivoted at 27 to the inner end of strap member B, the

end of the loop section being received between the strap and the lever, when the latter is flat against the former. In this position, the lever is secured by means of a bent swivel pin 19, which coöperates with the slot 28 in the lever.

24 designates a slidable extension on the strap member B, this member being longitudinally slotted, at at 50, to receive the bolt 21 which passes through the collar 20 and the member B and extension 24, these last two parts being embraced by the collar as will be readily understood. A nut 22 and washer 23 are shown as coöperating with the upper end of the bolt. The outer end of the extension 24 is hooked, as at 25, to engage the end of the barrel.

In operation, the filling head, collar and gasket being assembled, the parts are secured to the barrel as shown in Fig. 1. Adjustment for different length of barrel is made by means of the extension 24. The device is readily removable, requiring only the turning of pin 19 and raising of the lever 26, when the strap B may be disengaged from loop member 40.

In filling, a plug 2 is inserted in the top of the bore 1, and the spigots 5 and 7 are connected with gas and liquid supply. Spigot 6 permits escape of air contained in the barrel. When the charging is completed, the plug 2 is driven down into the bunghole by means of rammer 17, having head 18.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. In a device of the character described, the combination of an elongated filling head constructed to be positioned over the bunghole of a barrel and having a longitudinal plug-receiving opening formed completely through it, and having also laterally projecting spigots communicating with said opening, said head being further provided with a pair of transverse openings, one at each side of said longitudinal opening, and an elongated clamp constructed to clasp the ends of the barrel and comprising a pair of parallel elongated members which pass through said transverse openings.

2. In a device of the character described, the combination of an elongated filling head constructed to be positioned over the bunghole of a barrel and having a longitudinal plug-receiving opening formed completely through it, and having also laterally projecting spigots communicating with said opening, said head being provided also with a transverse opening, and an elongated clamp passing through said transverse opening and having terminal hooks for engaging the ends of the barrel, said clamp having an extension slidable longitudinally on the body of the clamp and bearing one of said terminal hooks, a collar embracing said extension and body, a bolt passing transversely through said collar, extension and body, standing within a slot in one of the last two members, and a nut for engagement with said bolt.

3. In a device of the character described, the combination of an elongated filling head constructed to be positioned over the bunghole of a barrel and having a longitudinal plug-receiving opening formed completely through it, and having also laterally projecting spigots communicating with said opening, said head being further provided

with a pair of transverse openings, one at each side of said longitudinal opening, and an elongated clamp comprising an oblong loop portion whose side members pass through said transverse openings, means in the form of a
5 hook at one end of said loop for engaging with an end of the barrel, an extensible hook-bearing member at the other end of the loop, a lever pivoted to the inner end of said member to be swung toward and from the same, said member and lever being constructed and arranged to

receive the end of the loop between them, and means for securing the lever against said hook-bearing member.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM F. KUSZMAUL, JR.

Witnesses:

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