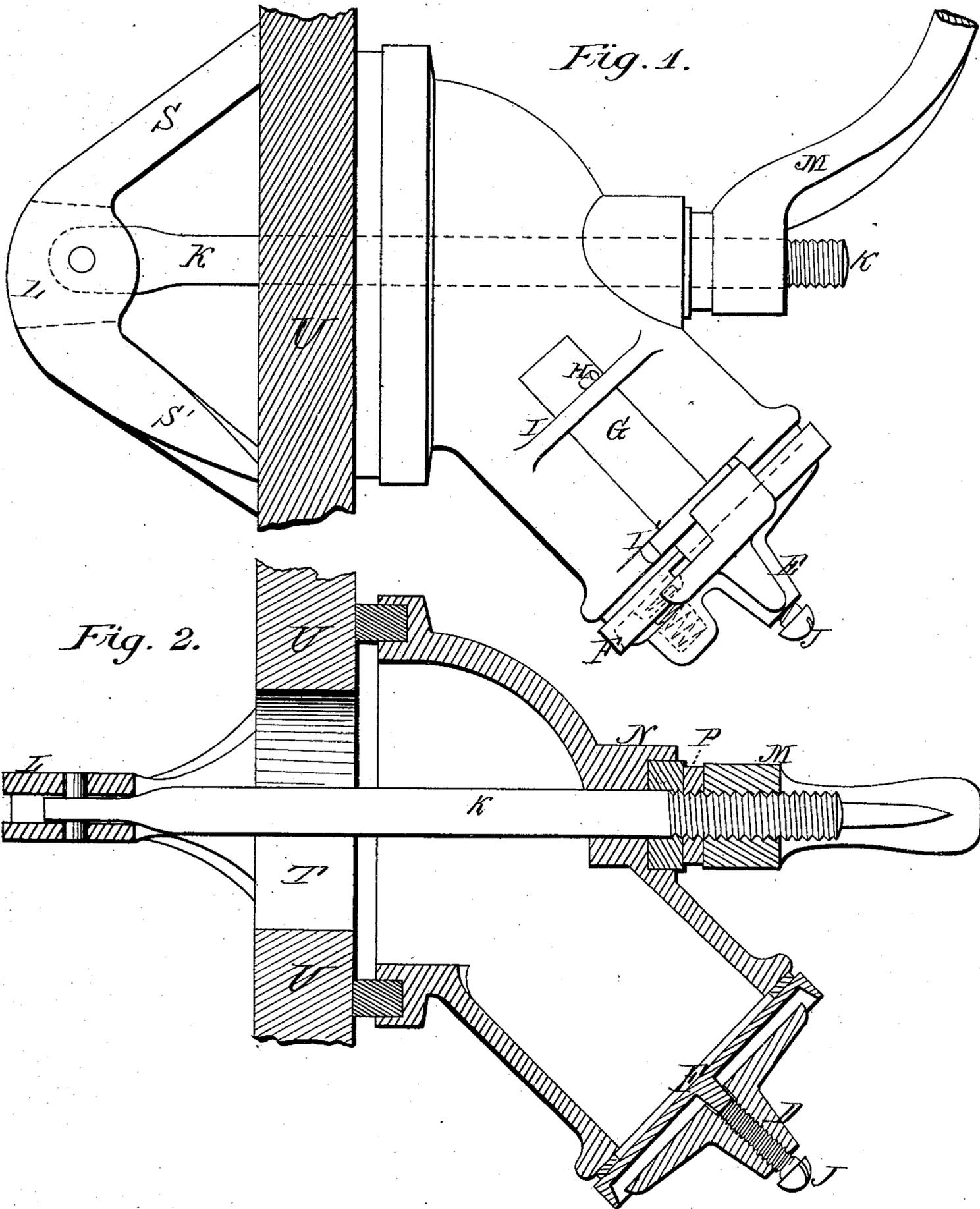


G. D. LEE.
 Bung-Faucets.

No. 145,432.

Patented Dec. 9, 1873.



Attest;
 John Cyler
 Jay Hyatt

Inventor;
 George D Lee
 By atty Wm C. W. Sinton

UNITED STATES PATENT OFFICE.

GEORGE D. LEE, OF BROOKHAVEN, N. Y., ASSIGNOR OF TWO-THIRDS HIS RIGHT TO JOHN M. KING AND HOLMES W. SWEZEY, OF SAME PLACE.

IMPROVEMENT IN BUNG-FAUCETS.

Specification forming part of Letters Patent No. 145,432, dated December 9, 1873; application filed October 28, 1873.

To all whom it may concern:

Be it known that I, GEO. D. LEE, of Brookhaven, in the county of Suffolk and State of New York, have invented certain new and useful Improvements in Bung-Faucets; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this application.

My invention relates to that class of faucets intended to be applied to the barrel at the bung, to save defacement and consequent deterioration of the value of the empty barrel. It has for its object to provide a faucet which shall be readily and accurately applied without damage to the barrel, and which shall be self-adjusting, as will be hereinafter more fully set forth; and to these ends my invention consists in providing a swinging hook, and screw-rod, and hand-nut, with a faucet, the contact face of which is flanged to accommodate itself to the bilge of a barrel, by means of an interposed rubber packing, as more fully set forth hereinafter.

To enable those skilled to fully understand my invention, I will proceed to describe the same, referring by letters to the accompanying drawing, in which—

Figure 1 is a side elevation of a bung-faucet embodying my improvements, and Fig. 2 is a longitudinal vertical section of the same.

Similar letters indicate like parts in both views.

A represents the spout, the rear end, or that next the barrel, terminating in a flange, B, provided with an annular seat for the reception of a rubber packing-ring, C. The outer end of the spout is provided with a cut-off, D, provided with a suitable handle for operating the same. This cut-off is composed of two parts—the front portion E, to which the handle is cast, and the rear portion or shell-disk F. The front portion E is provided with a pintle, G, which is secured by a pin, H, in bearings I I', cast with the spout. This portion E is reinforced at the center, so as to provide for a central hole, in which is arranged a screw, J, which is, by being screwed inwardly, made to

press against a central projecting teat on the disk F, which projects inwardly in a socket on the interior of E. This disk F has also another projection flush with its projecting rim, in which a seat is reamed out for a spiral spring, which extends an equal distance into a countersink on the interior face of the handle portion E. This spring is arranged near the circumference, and, conjointly with the set-screw J, serves to make a tight and yielding joint between the disk and mouth of the spout. The spiral spring and its location are clearly represented in dotted lines at Fig. 1, and Fig. 2 clearly illustrates the relative arrangement of the parts E and F, one within the other. K is a screw-rod, passing through the spout A centrally. The inner end is provided with a hook or swinging pawl, L, one arm of which is heavier than the other, for the purpose to be presently described. The outer end terminates in a screw, and is provided with a hand-nut, M. A sustaining bearing, N, is cast with the spout A, and is countersunk to receive an elastic packing-ring, upon which rests a metallic washer, P, so that when the hand-nut M is run up the elastic packing-ring O is spread, so as to make the space around the rod K perfectly tight. The hook or pawl L from arm to arm is longer than the diameter of a bung-hole, and consequently, to introduce it in a bung-hole, it must be swung on its pivot, so that the thin arm S shall lie against the rod K, and in this position it is introduced through the bung-hole T, and after it has passed the inside of the staves U the heavier or weighted arm S' will, upon slightly turning the rod K, lift the light arm S, so that both shall come in contact with the interior surface of the staves on either side of the bung-hole; or the thinnest arm S may be introduced in advance of the heavier, and both made to assume their proper position in an obvious manner, after which the nut M is turned, which forces the flange and packing-ring C against the outside of the barrel around the bung-hole, draws the rod up, and, squeezing the packing-ring O, fills the joint between the rod and spout, and securely attaches the latter to the barrel.

The many advantages arising from the drawing off of the contents of a barrel at the bung are obvious, and need not be here explained.

What I claim as new, and desire to secure by Letters Patent, is—

1. The self-adjusting hook L, in combination with the screw-rod K and spout A, substantially as and for the purpose set forth.

2. In combination with the features above,

the packing-rings C and O and screw-nut M, substantially as and for the purpose set forth.

Witness my hand and seal this 23d day of October, 1873.

GEO. D. LEE. [L. S.]

In presence of—

JOHN K. SAMMIS,

THOS. J. RITCH, Jr.