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D. J. McGINLEY & W. E. BONAR.

BARREL TAP AND FAUCET.

APPLICATION FILED OCT. 17, 1907.

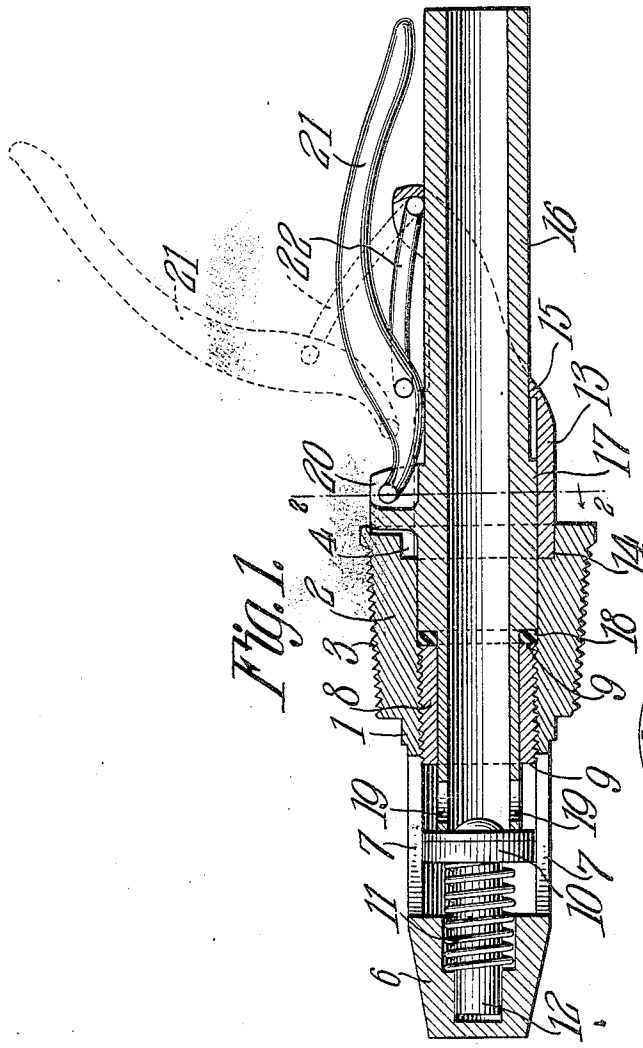

Fig. 1.

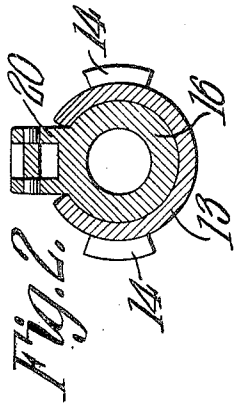

Fig. 2.

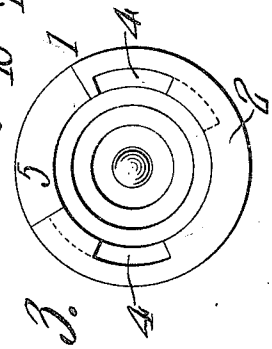

Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

DANIEL J. McGINLEY AND WYON E. BONAR, OF GYPSUM, COLORADO.

BARREL TAP AND FAUCET.

No. 889,952. Specification of Letters Patent. Patented June 9, 1908.

Application filed October 17, 1907. Serial No. 397,879.

To all whom it may concern:

Be it known that we, DANIEL J. McGINLEY and WYON E. BONAR, citizens of the United States, residing at Gypsum, in the county of Eagle and State of Colorado, have invented a new and useful Barrel Tap and Faucet, of which the following is a specification.

This invention has relation to barrel taps and faucets and it consists in the novel construction and arrangements of its parts as hereinafter shown and described.

The object of the invention is to provide a tap and faucet of simple and durable construction which may be easily and readily operated, the parts of which are so arranged that the tap is held open when an operating lever is moved into a certain position and which automatically closes when the said lever is moved into any other position.

Figure 1 is a longitudinal sectional view of the tap and faucet in engagement with each other. Fig. 2 is a transverse sectional view of the same cut on the line 2—2 of Fig. 1 and Fig. 3 is an end view of the plug.

The device consists of the plug 1 which is provided with the enlarged annular portion 2 which is externally threaded as at 3 and is adapted to engage the bung of a barrel or keg. The portion 3 is provided in its outer end with the bayonet slots 4 and has a recess 5 provided at its outer edge. The inner end of the portion 2 is continued into the portion 6 which is of relatively reduced diameter and tapered toward its inner end, the portion 6 is provided with the side openings 7. The bushing 8 is located in the plug 1 and is provided at each end with a seat 9. The valve 10 is slidably mounted in the portion 6 and is normally held against the seat 9 of the adjacent end of the bushing 8 by a coil spring 11 which surrounds the stem 12 of the valve 10 and bears at one end against the said valve and at its opposite end against the interior surface of the portion 6.

The faucet consists of the sleeve 13 which is provided at its inner end with lugs 14 which are adapted to engage the bayonet slots 4 of the plug 1. The sleeve 13 is provided upon its interior with a shoulder or shoulders 15. The tube 16 passes through the sleeve 13 and is provided at an intermediate point with an enlarged portion 17 one end of which is adapted to engage the shoulder 15 of the sleeve 13 when the faucet is closed. The packing 18 is located upon the tubes 16 and is seated against the inner end of the enlarged portion 17 thereof. The inner end of the tube 16 is provided with the transversely disposed openings 19. The tube 16 is provided with a lug 20 to which is fulcrumed one end of the lever 21. A link 22 is pivotally attached at one end to the lever 21 at a point intermediate the ends thereof and is pivotally connected at its opposite end to the sleeve 13.

It will be observed that when the free end of the lever 21 is swung toward the outer end of the tube 16 that the link 22 will be brought into alinement with the fulcrum point of the lever 21 and the pivotal connection between the said link and the sleeve 13; thus, the tube 16 will be moved longitudinally and inwardly with relation to the sleeve 13 which movement forces the packing 18 against the seat 9 at the outer end of the bushing 8 and the inner end of the said tube 16 will at the same time move the valve 10 away from the seat 9 at the inner end of the bushing 8, thus, the said valve is open and the contents of the cask may pass therefrom through the openings 19 and the interior of the tube 16. In order to close the faucet the free end of the lever 21 is moved away from the outer end of the tube 6 which movement carries the link 22 out of alinement with the fulcrum of the said lever and the tension of the coil spring 11 comes into play and automatically closes the valve 10 against the adjacent seat 9 of the bushing 8.

Having thus described the invention what we claim as new and desire to secure by Letters-Patent is:—

In combination with a plug having a spring actuated valve, a sleeve adapted to engage the plug, a tube passing through the sleeve and adapted to engage the valve of the plug, a lever fulcrumed upon the tube and a link pivotally connecting the lever with the sleeve and adapted to assume a position substantially in alinement with the fulcrum of the lever.

In testimony that we claim the foregoing as our own, we have hereto affixed our signatures in the presence of two witnesses.

DANIEL J. McGINLEY.
WYON E. BONAR.

Witnesses:
GEO. B. HAZARD,
LEO SPANGLER.