(No Model.)

M. FITZGERALD.

FAUCET, &c.

No. 320,770. Patented June 23, 1885.

Fig. 1.

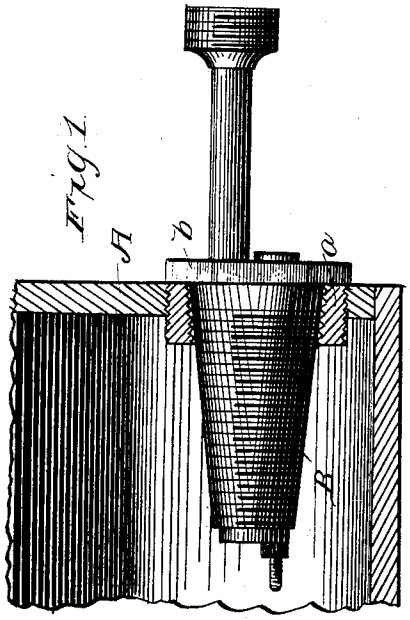


Fig. 2.

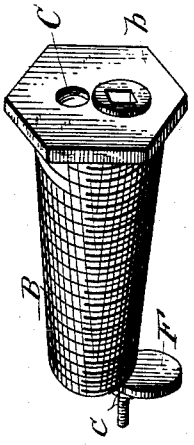


Fig. 3.

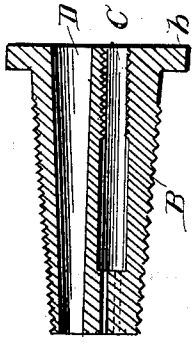


Fig. 4.

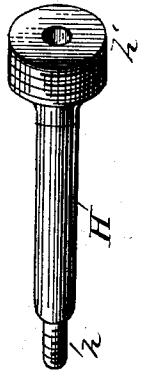


Fig. 5.

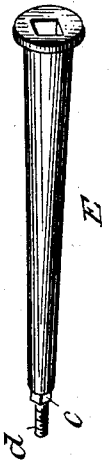
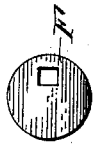


Fig. 6.



Witnesses
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UNITED STATES PATENT OFFICE.

MICHAEL FITZGERALD, OF TROY, NEW YORK.

FAUCET, &c.

SPECIFICATION forming part of Letters Patent No. 320,770, dated June 23, 1885.

Application filed June 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL FITZGERALD, a citizen of the United States, residing at Troy, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Faucets, &c., of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has relation to improvements in faucet attachments to be used in connection with kegs or other vessels containing liquids; and it consists in the construction and novel arrangement of devices, as will be hereinafter more fully set forth, and particularly pointed out in the claim appended.

In the accompanying drawings, Figure 1 is a sectional view of a portion of a barrel, showing my device applied ready to receive the connecting-tube. Fig. 2 is a perspective view of the bushing with the coupling-tube removed, showing the position of the closing valve or disk when the draft-passage is open. Fig. 3 is a longitudinal sectional view of the bushing. Fig. 4 is a perspective view of the coupling-tube. Fig. 5 is a perspective view of the cylindrical disk-bolt, and Fig. 6 is a view of the disk or valve.

Referring to the drawings, *a* designates a bushing or annulus, threaded externally to engage a proper opening in the barrel A, and internally to receive the threaded body B of the faucet. The body B is held in position by its threaded connection with the bushing, which is ordinarily a permanent portion of the barrel, and has a flanged head, *b*, which at the edges bears against the outer face of the barrel-head, as seen in Fig. 1. The body has a longitudinal bore, C, threaded at its outer extremity and branched into two or more channels near the inner extremity, and this bore serves as a channel for the egress of the barrel contents. A pipe, H, has a threaded end, *h*, which is adapted to be screwed into the channel C, and has a seat, *h'*, at its opposite end for ready connection of a flexible pipe. (Not shown.) The body B has also a longitudinal tapering bore, D, which receives a correspondingly-formed valve-stem, E, having its larger or outer end flanged at *c'*, to give a bearing on the outer end of the body, and a rectangular depression in said end, as seen at G, to receive a proper operating tool or wrench. (Not shown.) At *c* the stem E is made square to receive a corresponding socket on a valve, F, and at *d* it is threaded to receive a securing-nut, which serves to hold the valve F against the inner end of the body B and over the branched exits of the channel C. These parts are so adapted to each other that the valve F is held tightly against the end of the body by its nut, while the flange *c'* and tapering form of the stem insure a tight bearing. The squared part *c* assures that the valve shall turn with the stem.

The branched opening C is important in serving in a manner as a strainer and in allowing the operator to adjust the amount of flow as one or more of the branches are uncovered by the valve F.

Some of the features are old in other constructions of faucet, among which is Patent No. 57,220, of 1866. In that patent, however, the faucet is held to the barrel by other means, and the stem E, with its squared bearing for the valve, is absent.

I am aware that, instead of an oscillating valve stem, a screw-rod has been used to operate a valve, as seen in Patents No. 254,680, of 1882, No. 160,334, of March 2, 1875, and Lamb, No. 156,852, of 1874. These constructions are not sought to be covered in this application.

I attach importance to the relative arrangement of bushing and body, as shown, and to the means for operating the valve, as well as to the faucet-body formed in one piece, as shown.

What I claim as new is—

The combination, with the externally and internally threaded bushing *a* and the threaded body B, having longitudinal bore C threaded upon the outer portion and branched upon the inner portion, as shown, and having also the conical smooth bore D, of the conical valve-stem E, having squared portion *c* and threaded portion *d*, the oscillating valve F, and the pipe-connection H, all arranged and constructed for joint operation, as and for the purposes set forth.

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

MICHAEL FITZGERALD.

Witnesses:
JEREMIAH K. LONG,
THOMAS F. MAXWELL.