T. C. PERKINS.

BEER-FAUCET.

No. 179,050. Patented June 20, 1876.

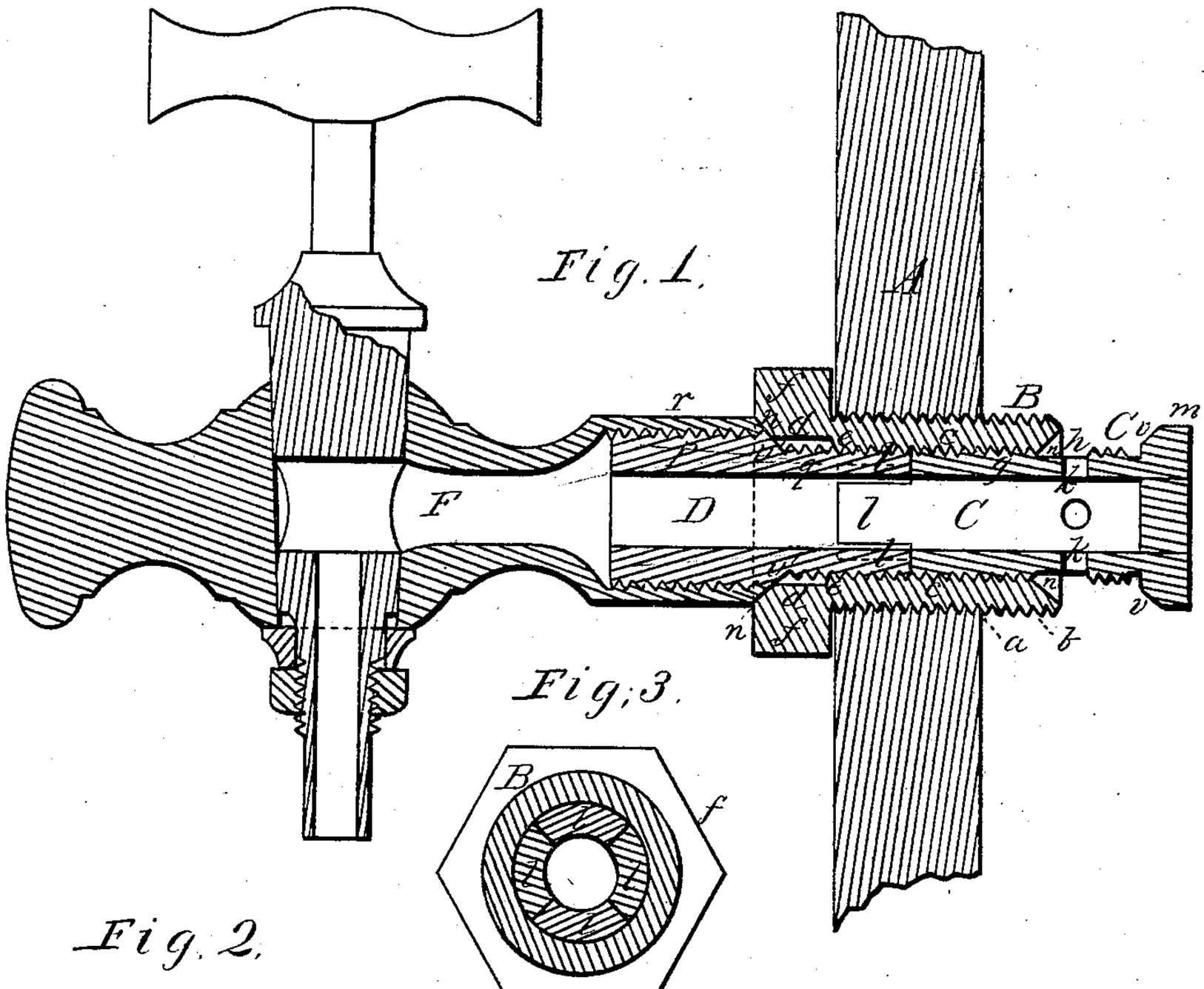


Fig. 1.

Fig. 3.

Fig. 2.

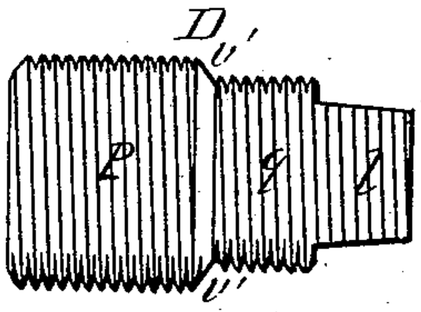


Fig. 4.

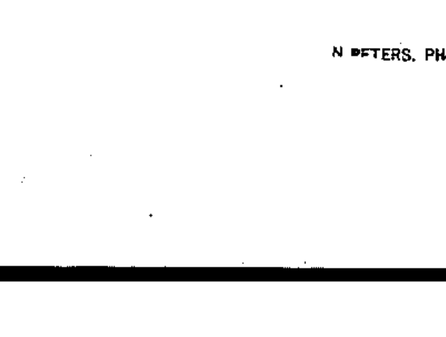
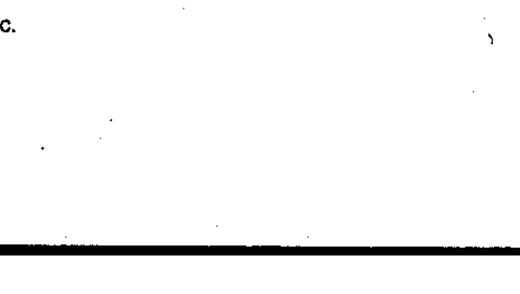


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

THOMAS C. PERKINS, OF BRIGHTON, CALIFORNIA.

IMPROVEMENT IN BEER-FAUCETS.

Specification forming part of Letters Patent No. **179,050**, dated June 20, 1876; application filed May 11, 1876.

To all whom it may concern:

Be it known that I, THOMAS C. PERKINS, of Brighton, in the county of Sacramento and State of California, have invented a new and valuable Improvement in Beer-Faucets; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical central longitudinal section of my invention. Fig. 2 is a side view of the faucet-section of the coupling-plug. Fig. 3 is a transverse section of the plug and bushing through the coupling. Figs. 4 and 5 are views of the bushing and its plug-section.

This invention has relation to faucets for beer-kegs and other purposes; and it consists in the construction and novel arrangement of the threaded bushing, having countersunk margins to its bore, and the threaded coupling-plugs, provided with beveled valve-shoulders, to engage with the countersunk margins of the bushing, and respectively designed to be inserted into the keg, and connected with the faucet-spout, as hereinafter fully shown and described.

In the accompanying drawings, the letter A designates the wall of a keg or barrel, into which the plug is inserted. B represents the bushing, which is designed to be screwed into the opening *a*, and is provided with an external thread, *b*, for this purpose. The bore of the bushing is also threaded for a certain distance, as shown at *c*, a portion thereof adjacent to the front opening being reamed out of larger diameter than the threaded part, as shown at *d*, the two parts being separated by an internal shoulder, *e*. The front end of the bushing is provided with a heavy flanged key-seat, *f*, so that it can be readily screwed into the wall of the keg. At each end of the bore an internally-beveled or countersunk margin or seat, *n*, is provided, to engage with the valve-shoulders of the plug-sections. C represents the interior plug-section, which is screwed into the rear end of the bushing, being provided with an external thread, *g*, for that purpose. This thread is separated near its rear end into two portions by a smooth space, *h*, where the inlet perforations *k* are located. The front end of this section is provided with opposite projecting lugs *l*, being quadrant-sectors in cross-section, cut away centrally by the bore. The rear end of the section is provided with a flange, *m*, which is separated from the threaded surface by the beveled valve-shoulder *v*, which, when this section is screwed home, is designed to engage with the marginal valve-seat of the bushing. This section should be screwed into the bushing before the latter is introduced into the keg. D indicates the exterior section of the coupling-plug, consisting of a large threaded cylindrical portion, *p*, and a smaller portion, *q*, also threaded, and separated from the larger portion by a beveled shoulder-valve, *v'*. The rear end of this section is provided with quadrant-lugs, similar to those of the front end of the interior section, between which they are introduced into the reamed-out portion of the bore of the bushing, when it is desired to attach the faucet thereto. F represents the faucet, which may be of any size. The rear end *r* of its stem should be reamed out and threaded interiorly, to receive and engage with the larger threaded end of the plug-section D, which, when screwed home therein, should have its valve-shoulder *v'* slightly projecting. The lugs of this section serve as a key-seat to force it into the faucet-stem.

As stated above, when the bushing is introduced into the keg, the plug-section C is already therein screwed home, so that its inlet perforations are covered by the wall of the bushing, and its valve-shoulder is closely engaged with the beveled marginal seat *n* at the rear end of the bore of the bushing. These two pieces are designed to remain permanently attached to the keg.

When a faucet is to be used it is connected to section C by the intermediate section D. This section is screwed home in the stem of the faucet, and its bifurcated end is introduced into the reamed-out chamber *d* of the bushing between the lugs of section C. Then, by turning the faucet, the coupled sections will move rearwardly in the bushing until the inlet per-

forations of section C are uncovered, and the valve-shoulder of section D is engaged with the countersunk seat *n* in the front end of the bushing, forming a tight joint. If the bushing has been properly set by gaging it with a faucet, the spout will always be down when the engagement is made between the marginal seat of the bushing and the valve-shoulder of the faucet-plug section. Communication is thus readily established with the faucet. In like manner any faucet may be applied, provided its stem is threaded to receive the section D; or the same faucet and section D may serve for several kegs, having the bushing in each, with section C engaged therein.

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

The combination, with a faucet, F, having the threaded end *r*, of the threaded bushing B, having the reamed chamber *d*, and the beveled marginal valve-seats *n* at the ends of its bore, and the interlocking plugs C D, respectively provided with the rear enlargement *m* and the threaded front enlargement *p*, having beveled shoulders *v v'*, said plugs being adapted to independent faucets, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

THOMAS CALLEY PERKINS.

Witnesses:

HARRY OTIS BARNES,

JOSEPH J. ORN.