J. BUTCHER.

Faucet for Compartment Vessels.

No. 205,350. Patented June 25, 1878.

Fig - 1.

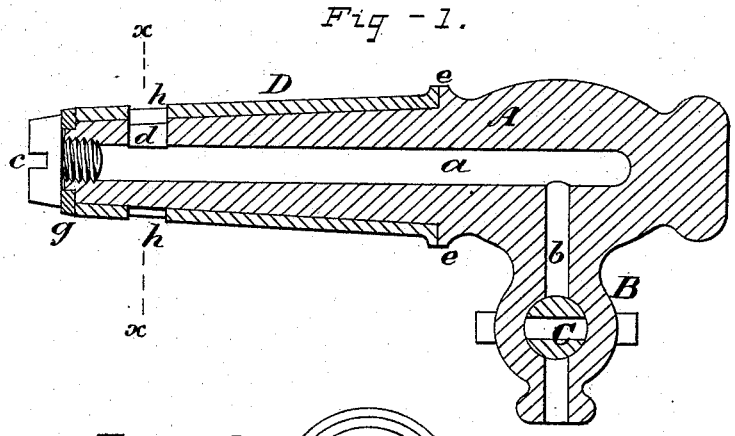


Fig - 2.

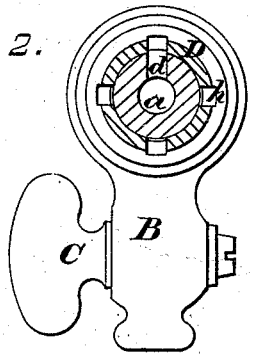
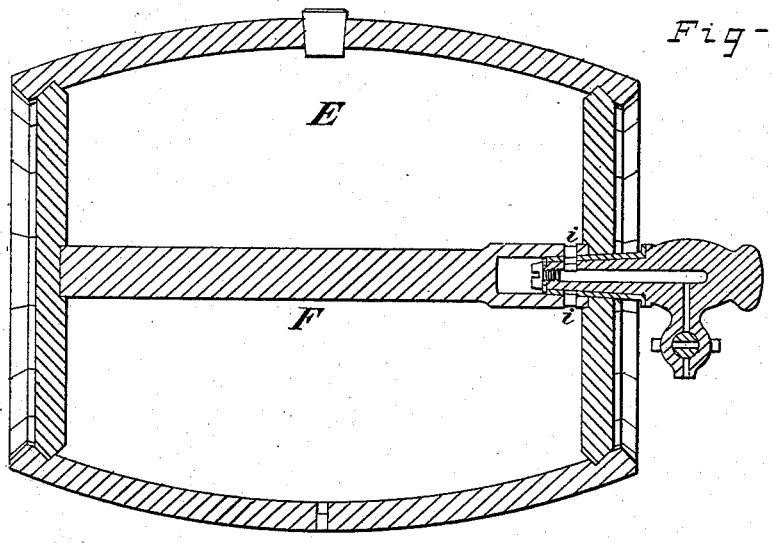


Fig - 3.



ATTEST,

Arthur C. Fraser.

Jam. Goodwin

INVENTOR,

Joseph Butcher

Per Burke & Fraser

Attys.

UNITED STATES PATENT OFFICE.

JOSEPH BUTCHER, OF NEW YORK, N. Y., ASSIGNOR OF TWO-THIRDS HIS RIGHT TO HENRY C. DOBSON AND WILLIAM KLAUSER, OF SAME PLACE.

IMPROVEMENT IN FAUCETS FOR COMPARTMENT-VESSELS.

Specification forming part of Letters Patent No. **205,350**, dated June 25, 1878; application filed March 22, 1878.

To all whom it may concern:

Be it known that I, JOSEPH BUTCHER, of the city, county, and State of New York, have invented certain Improvements in Faucets for Compartment-Vessels, of which the following is a specification:

The object of this invention is to construct a faucet that will draw from two or more compartments at will by simply turning it around, and without removing it from or loosening it in its socket; and the invention consists, essentially, in providing the spindle of the faucet with a tubular sleeve having a series of ports or perforations, which coincide successively, when the sleeve is turned on the spindle, with a side port in the faucet, which side port opens into the bore of the same, and providing a suitable stop in the said bore, operating independently of the sleeve, to regulate the escape of fluids, all as will be more fully hereinafter set forth.

In the drawings, Figure 1 is a longitudinal vertical mid-section of my improved faucet. Fig. 2 is a cross-section of the same, taken in the plane of the line *x x* in Fig. 1; and Fig. 3 is a sectional view, illustrating the application of my faucet to a compartment-vessel.

A is the body or spindle of a faucet, of which *a* is the bore. B is a right-angled branch, with a bore, *b*, and a cut-off plug, C. The bore *a* might be continued through, and the cut-off be put directly in it, instead of in the bore *b*, if desired. The end of the bore *a* is stopped by the screw *c*, or in some other manner, and the spindle is tapped at *d* to form a side inlet to the bore.

D is a tubular sleeve or thimble, which fits the spindle snugly, (indeed, I prefer to grind it to fit,) and abuts against a shoulder or its equivalent on the spindle at *e*. This sleeve may be held in place by a washer, *g*, and the screw *c*, in the manner usual to such constructions.

At a point in its length corresponding to the hole *d* the sleeve D is provided with a series of ports, *h h*. These are not arbitrarily fixed upon, but should correspond in number and spacing with the compartments in the vessel for which it is intended.

When the faucet is driven into the vessel, the sleeve D is held fast by friction, and becomes for the time a fixture and one with the vessel. The spindle of the faucet being free to turn in it, however, enables the operator to bring the hole *d* into coincidence with any one of the ports *h h;* and these latter, being arranged to coincide with ports leading from the faucet-cavity in the vessel to the different compartments, enable the operator to draw from any given one with facility and ease.

In Fig. 3 such a compartment-vessel is shown at E, being divided by partitions radiating from a central post, F. This post is provided with a faucet cavity or bore, which communicates with the different compartments by ports *i i*. A vessel with compartments, however, forms no part of my present invention, and any kind may be used.

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

1. A faucet for compartment-vessels having a conical or cylindrical spindle provided with a hole in the side, and a close-fitting tubular sleeve with two or more ports arranged to coincide successively, when the spindle is turned within the sleeve, with the hole in the spindle, and a suitable cut-off or stop operating independently of the sleeve to regulate the escape of fluids from the faucet, substantially as set forth.

2. The combination of the body or spindle A of a faucet, provided with a bore, *a*, side opening *d*, and shoulder *e*, with the close-fitting sleeve D, provided with two or more ports, *h h*, arranged to coincide successively with the opening *d* when the sleeve is turned on the spindle, substantially as and for the purposes set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

JOSEPH BUTCHER.

Witnesses:
HENRY CONNETT,
ARTHUR C. FRASER.