

(No Model.)

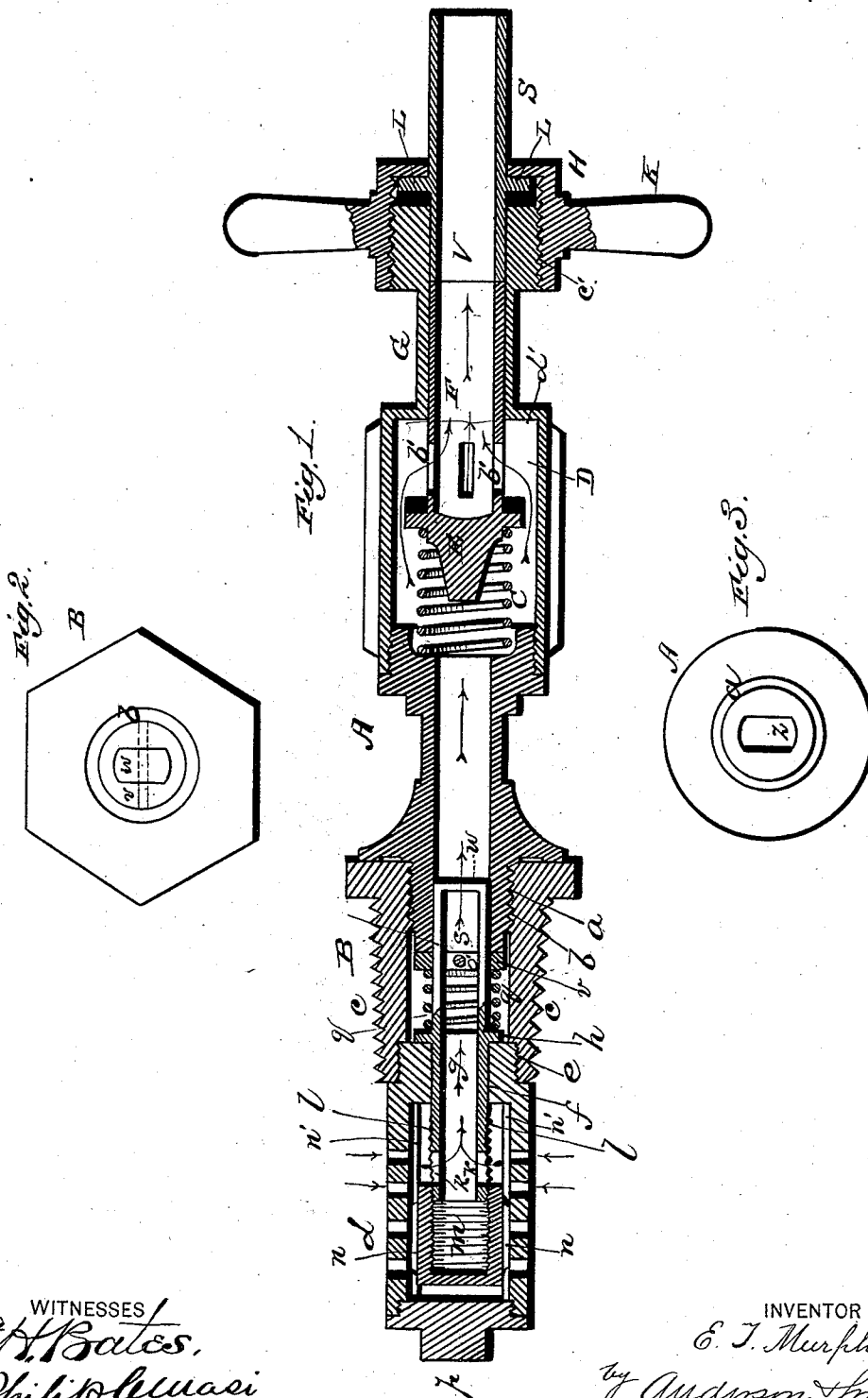
2 Sheets—Sheet 1.

E. T. MURPHY.

FAUCET AND BARREL BUNG.

No. 286,954.

Patented Oct. 16, 1883.



WITNESSES
E. H. Bates,
Philip M. Wasi

INVENTOR
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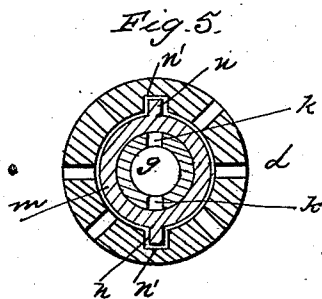
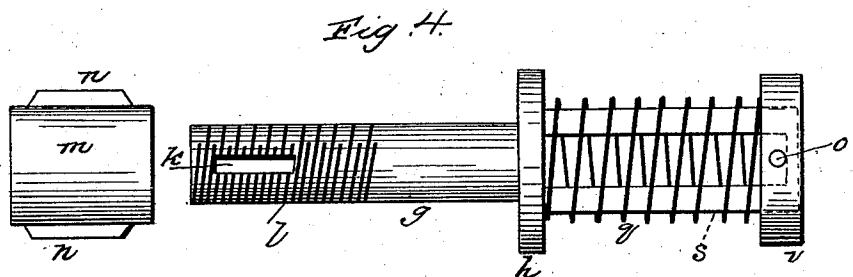
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WITNESSES
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UNITED STATES PATENT OFFICE.

EDWARD T. MURPHY, OF EAST HAMPTON, MASSACHUSETTS, ASSIGNOR OF
ONE-FOURTH TO WM. JOSEPH SHEEHAN, OF SAME PLACE.

FAUCET AND BARREL-BUNG.

SPECIFICATION forming part of Letters Patent No. 286,954, dated October 16, 1883.

Application filed April 21, 1883. (No model.)

To all whom it may concern:

Be it known that I, EDWARD T. MURPHY, a citizen of the United States, residing at East Hampton, in the county of Hampshire and State of Massachusetts, have invented certain new and useful Improvements in Faucets and Barrel-Bungs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a vertical sectional view of my device. Fig. 2 is a front view of the bung, and Fig. 3 is a rear view of the faucet. Fig. 4 is an enlarged view, showing the outer end of the stem, guard-valve, and stop or catch; and Fig. 5 is a transverse sectional view of the same.

This invention has relation to improvements in tapping devices for barrels and kegs; and it consists in the construction and novel arrangement of devices, as will be hereinafter set forth and claimed.

In the accompanying drawings, the letter A represents a faucet having an externally-threaded joint end *a*, which is designed to be introduced into the internally-threaded mouth *b* of the bush B, in order to connect said faucet thereto. The bush B is designed to be formed with the usual exterior tapering screw-surface, *c*, beyond which is the tubular perforated extension *d*, which, when the bush is secured in the wall of a barrel or keg, projects into the cavity thereof. The tubular extension *d* is usually made separate from the body of the bush, and is connected thereto by a screw-joint, *e*. The inner end of the extension is formed with an aperture, *f*, through which passes a tubular valve-operating stem, *g*, which is provided with a collar-bearing, *h*, which engages the end of the tubular extension. That end of the valve-stem which is within the cavity of the tubular extension *d* is laterally slotted at *k*, and is provided with an exterior left-hand thread, *l*, to engage the interior thread of the valve *m*, which is designed to slide back and forth in the tubular extension

d when operated by turning the tubular stem *g*, the valve being prevented from turning by lateral guide devices *n*, engaging longitudinal guides *n'* of the wall of the extension. A screw-plug, *p*, closes the inner end of the extension *d*. That end of the valve-stem which is within the outer portion of the bush is laterally slotted, as indicated at *s*, as far as the outer end of the stem, which is formed with a wrench-seat, *w*. Around this seat in the mouth of the bush is a guard-valve, *v*, which is provided with a stop or catch engaging the outer end of the stem, and is held flush with said end by means of an interior spring, *q*. In this position the end of the valve-stem *g* occupies the opening *o'*, which is made in the guard-valve *v*.

In the joint end *a* of the faucet A is formed an angular mouth or wrench-bearing, *z*, which is the inner opening of the way through the faucet. When this end of the faucet is screwed into the mouth of the bushing B, the guard-valve is pressed back and the end of the valve-stem *g* is engaged and turned by the faucet, this operation causing the valve *m* in the extension of the bushing to move back, opening the way through the perforations of the bushing, and through the valve-stem and mouth of the bushing into the rear portion of the faucet.

In the middle portion of the faucet is provided a chamber, D, containing a spring, C, engaging a valvular expansion, E, of a tube, F, having slots *b'* near the valve E. The tube F extends outward into the outer stem portion, G, of the faucet, which is externally threaded at *c'*, to engage the internal thread of the coupling H, whereby the spout S is connected to the portion G. The coupling H is provided with the operating handle or handles K, and is enlarged to receive the threaded end of the portion G. The spout S is provided with a collar, L, within the coupling H, and with an extension, V, which projects inward to enter the outer end of the stem-section G, engaging the outer end of the tubular stem F of the valve-head E.

When the coupling is turned on the stem G, to carry the spout-projection V into said stem, the tubular stem F is pushed inward, moving the valve-head E back and opening the way

through the slots *U* into and through the tubular stem *F* to the spout. To shut off the flow the coupling is turned in the opposite direction, allowing the spring *C* to force the valve-head *E* up against its seat *d'*, closing the way through the stem *F* to the spout. When the faucet is removed from the bung by turning it axially, this operation draws the valve *m* forward and automatically closes the bung.

10 In order to ventilate the kegs and barrels, the brewer is provided with a wrench of proper form to press back the guard-valve *v* and turn the tubular threaded stem *g* of the main valve *m* of the bushing.

15 Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with the bushing hav-

ing a turning valve-stem provided with a wrench-seat at its end, of a guard-valve at the 20 mouth of the bung around said wrench-seat, and a spring operating to hold the guard-valve flush with said wrench-seat, substantially as specified.

2. The combination, with a faucet threaded 25 on its outer end and having a tubular spring-closing valve, of an internally-threaded handle-coupling having an interior tubular projection to engage the tubular end of the spring-closing valve, substantially as specified. 30

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

EDWARD THOMAS MURPHY.

Witnesses:

TIMOTHY J. SLATTY, Jr.,

ALVAH MARBLE.