

G. C. DRINEN.

BEER-TAP.

No. 176,844.

Patented May 2, 1876.

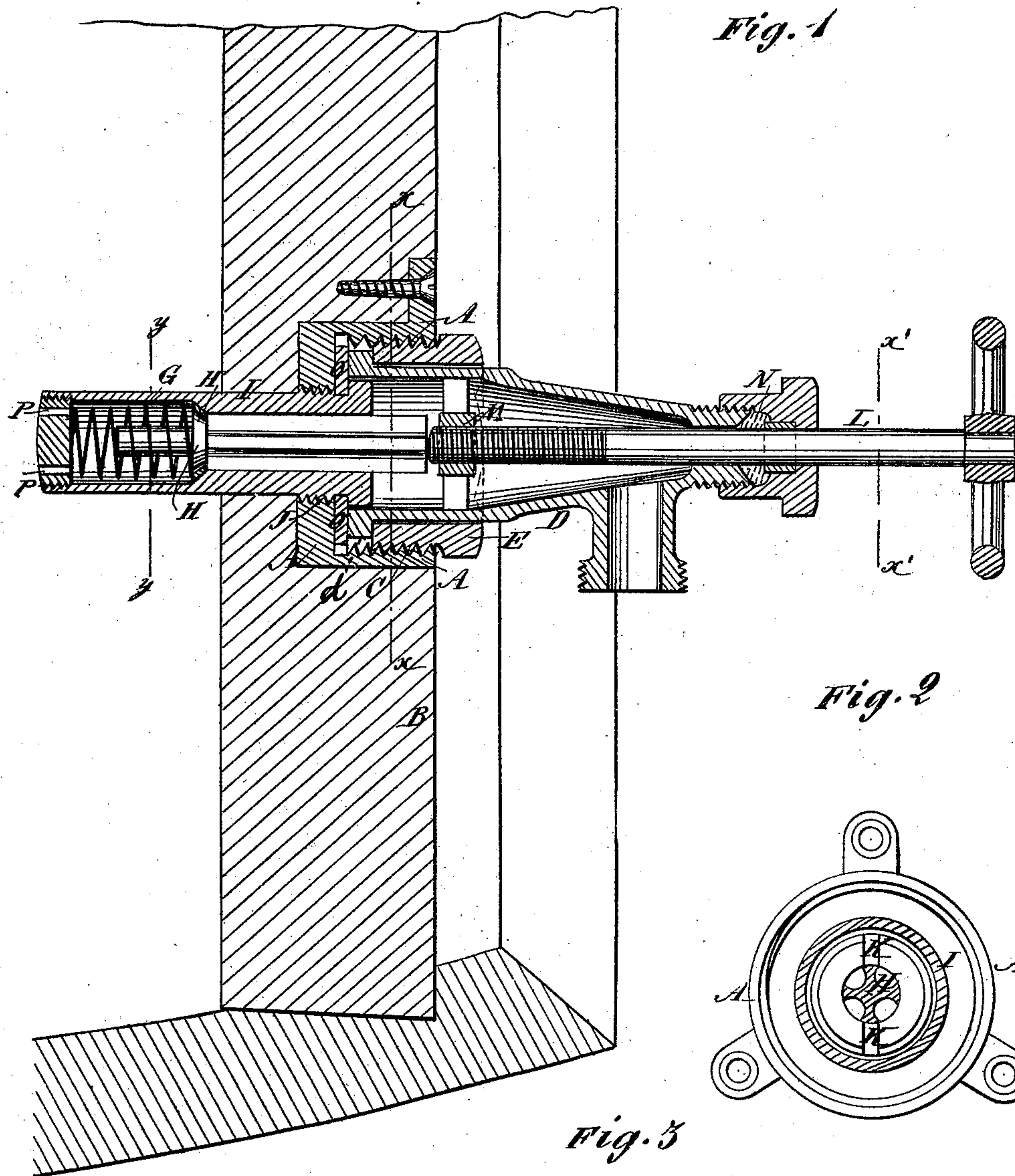


Fig. 1

Fig. 2

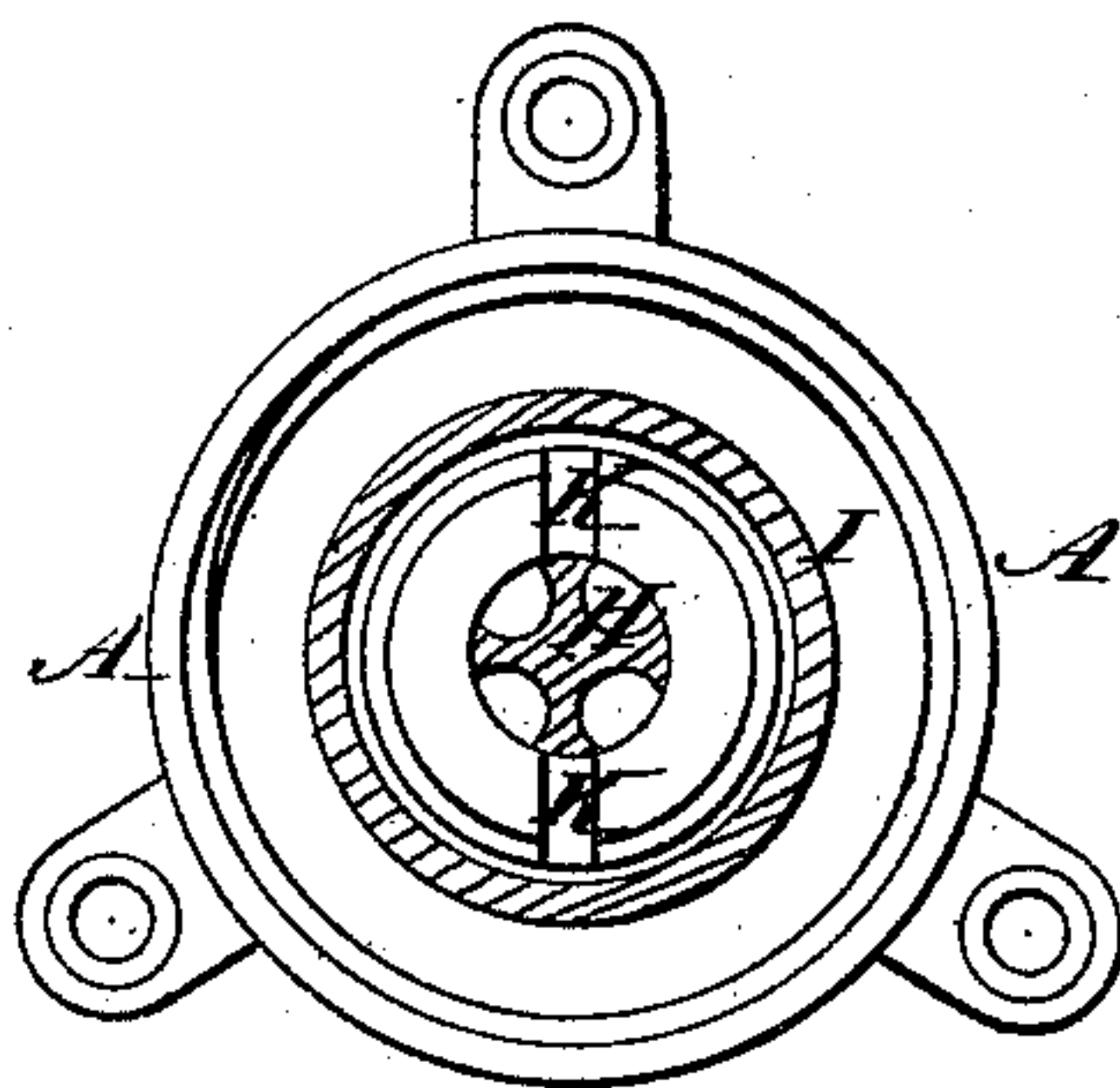
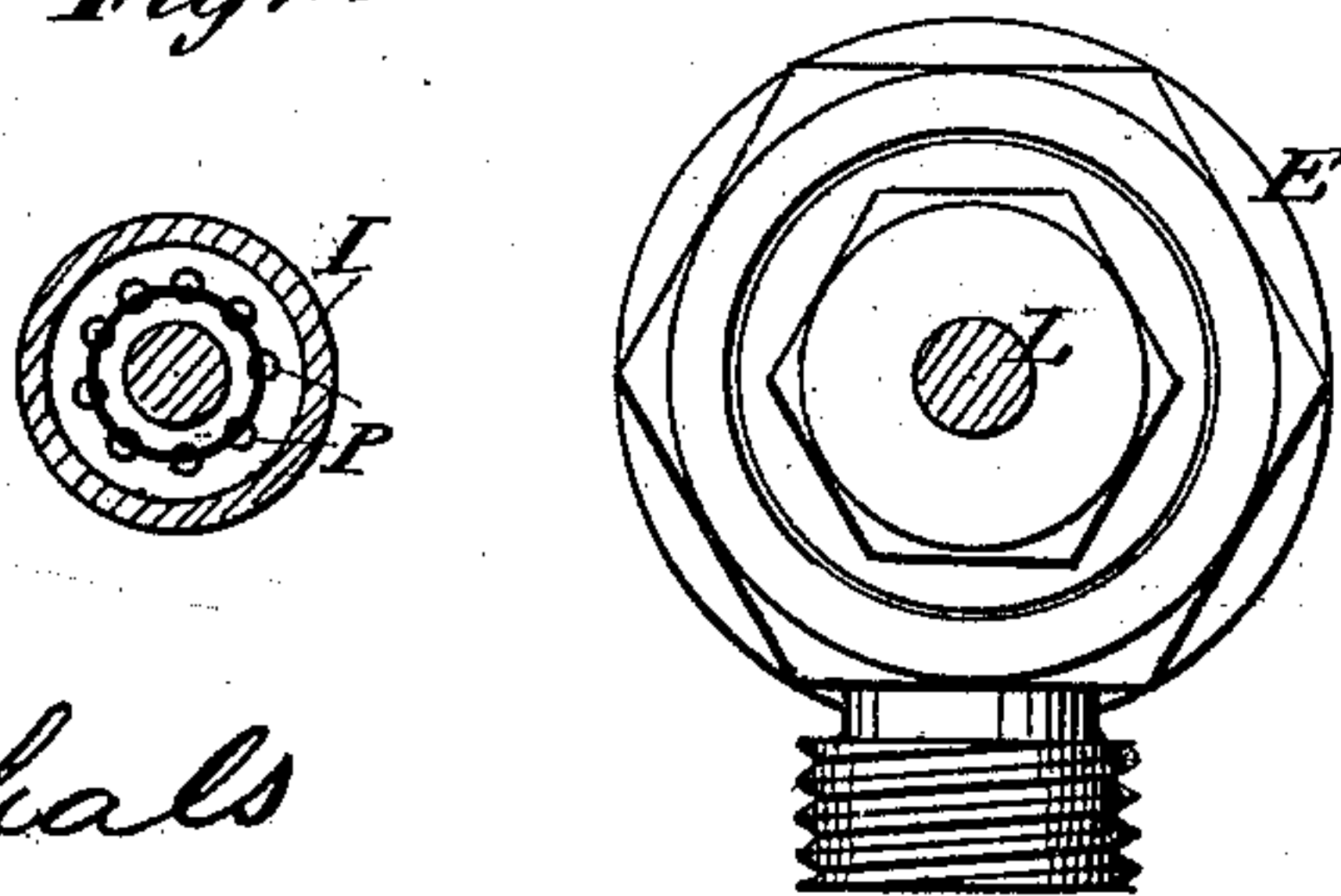


Fig. 3

Fig. 4



WITNESSES:

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# UNITED STATES PATENT OFFICE.

GEORGE C. DRINEN, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN BEER-TAPS.

Specification forming part of Letters Patent No. **176,844**, dated May 2, 1876; application filed March 13, 1876.

*To all whom it may concern:*

Be it known that I, GEORGE C. DRINEN, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Beer-Tap, of which the following is a specification:

The invention comprises a bush, which is let in the head flush with the surface, and contains a screw-thread to receive the discharging-nozzle, and also contains an inside valve, which closes by a spring, and by the pressure of the liquor when the nozzle is not attached; and the nozzle contains a screw-stem, which screws in against the valve to open the tap when the liquor is to be drawn, and screws back and lets it close when the drawing is to be stopped. The portion of the bush containing the valve screws out, when desired, for cleaning out the barrel.

Figure 1 is a longitudinal section of a tap constructed according to my invention. Fig. 2 is a section on line *x x* of Fig. 1. Fig. 3 is a section on line *x' x'*, and Fig. 4 is a section on line *y y*.

Similar letters of reference indicate corresponding parts.

A is the bush, which fits in the head B of the barrel, and contains the screw-threads C, for screwing in the nozzle D by the ring-nut E, and also contains the valve H, which closes by the spring G and by the weight of the liquor pressing upon it. The valve H is fitted in a chamber in the inner portion of a tubular extension, I, of the bush, which screws out and in at J to open the barrel for cleaning it out, the head of said extension being provided with a nick, at K, for the application of a screw-driver. L is the rod for opening the tap, for drawing the liquor, by screwing inward against the valve-stem, for which it is

fitted in the stationary nut M, inside of the nozzle, and extends out through a stuffing-box, N. The inner end of the nozzle screws against a packing, O, in the bottom of the bush A, to make a tight joint. The liquor enters to the valve-chamber through openings P at the inner end of the extension I.

I am enabled to adjust my nozzle-outlet to any angle with a horizontal plane by holding the annular end flange *d* between the screw-ring E and elastic packing O, so as to be turned without being unclamped. This adjustment is necessary where the liquid is drawn directly from the barrel or taken with a pump.

As the screw-rod which opens the valve is liable to spring out of direct line with the valve-stem, I support its front end in the nut M, as well as in the usual bearing at the stuffing-box N, while by removing the screw-thread of rod from the latter I avoid cutting the packing, and thus causing the tap or nozzle D to leak.

By making my extension or valve tube I separate from the bush A, I am enabled to remove it without detaching the bush or barrel-head to allow the barrel to be purified, and the air to circulate therethrough in an easy and effectual manner.

What I claim as new is—

In beer-taps, the valve-cylinder I, made independent of bush, and removable without detaching the bush or barrel-head, in combination with bush A, as and for the purpose specified.

GEORGE C. DRINEN.

Witnesses:

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