P. LYONS.

BEER-FAUCET.

No. 189,760. Patented April 17, 1877.

Fig. 1.

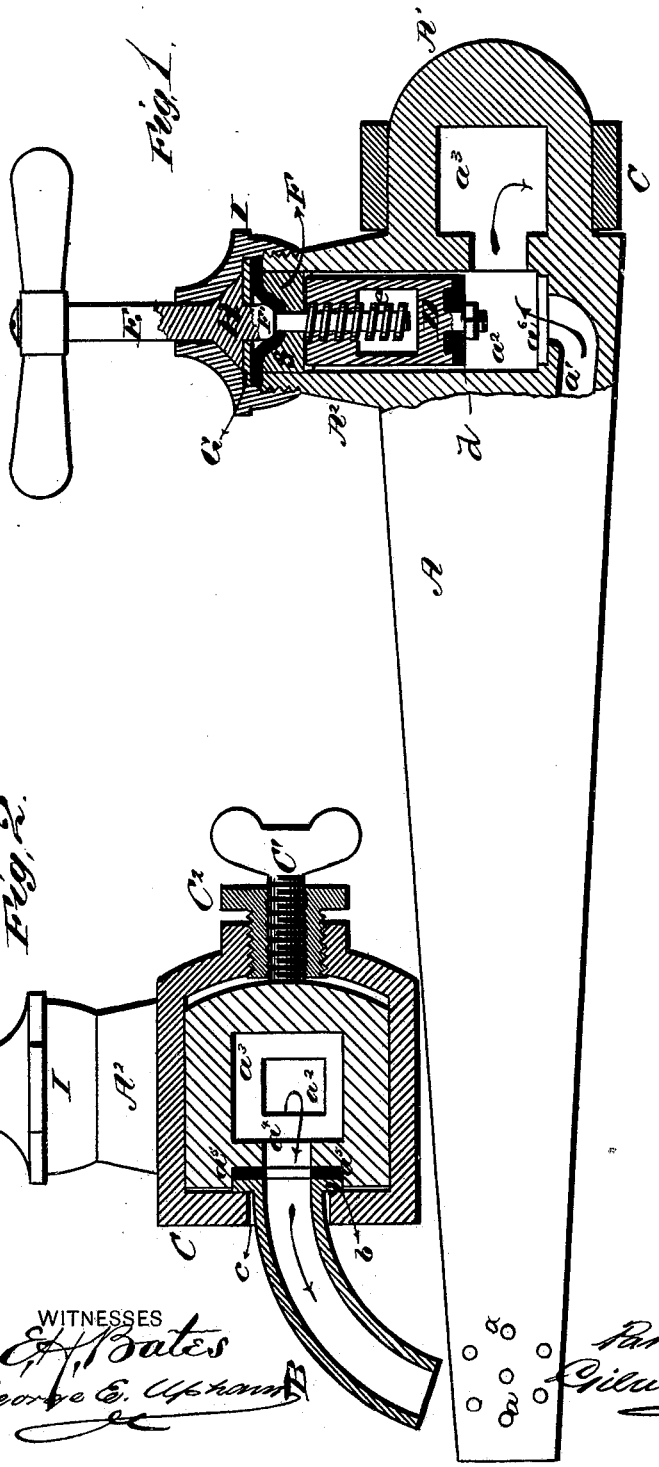
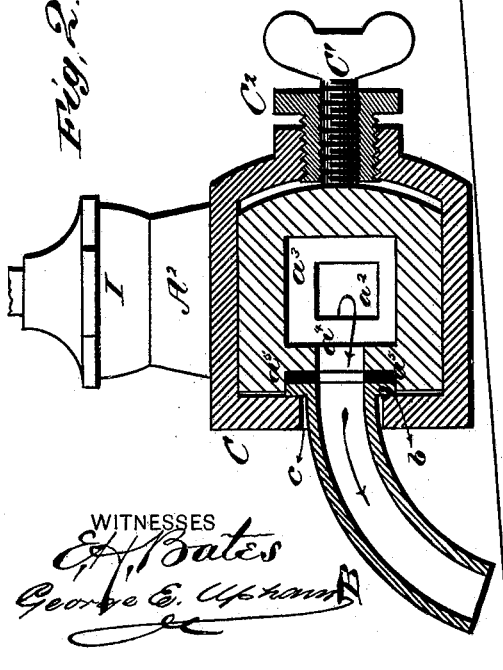


Fig. 2.



WITNESSES

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PATRICK LYONS, OF HARTFORD, CONNECTICUT, ASSIGNOR OF ONE-HALF HIS RIGHT TO ADONIRAM J. BENNER, OF SAME PLACE.

IMPROVEMENT IN BEER-FAUCETS.

Specification forming part of Letters Patent No. **189,760**, dated April 17, 1877; application filed January 27, 1877.

To all whom it may concern:

Be it known that I, PATRICK LYONS, of Hartford, in the county of Hartford and State of Connecticut, 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 side elevation of my beer-faucet, part sectional, and Fig. 2 is a transverse vertical sectional view thereof.

This invention relates to faucets for drawing beer and other liquids; and it consists in the combination of a swiveling nozzle and clamp with the faucet-tube, as hereinafter described.

In the accompanying drawings, A designates a faucet-tube, having small perforations *a* at its point or penetrating end, and a reduced butt, A^1. The inside of said tube has the usual beerway or longitudinal passage a^1, a valve chamber, a^2, and an enlarged chamber, a^3, in butt A^1. In one of the sides of said chamber a^3 is an outlet-orifice, a^4, and a surrounding external recess, in which sets an annular packing, a^5. B designates a curved nozzle or discharge-tube, which is provided at its inner end with an annular flange, *b*, that sets against said packing a^5 and partly within the recess containing said packing. Said nozzle B is held in place by a clamp, C, perforated at *c*, as shown in Fig. 2, and provided with a clamping-screw, C^1, that works through a screw-tapped detachable bearing, C^2, fixed in an enlargement of said clamp, and bears against butt B′ on the side opposite to said nozzle. After loosening said screw and clamp the said nozzle may be pivotally adjusted to any position desired, and it is then clamped therein by tightening said screw. Said clamping-screw C^1 also serves to take up wear. By means of the above devices the said nozzle may be inclined forward or backward, so that the outflowing stream of liquid may be directed into several vessels successively without any of them being removed or the flow checked. It will be found useful, also, in other cases where a change of the direction of the discharge is desired.

On the top of tube A is formed a vertical valve-casing, A^2, inclosing an upward extension of valve-chamber a^2. At the bottom of said chamber is formed an annular valve-seat, a^6, adapted to receive packing *d* on the lower end of a vertically-moving plug or valve, D, which closes (when in its lowest position) a vertical passage or aperture connecting said valve-chamber a^2 with said longitudinal passage or beerway *a*. The upper part of said plug or valve is provided with internal screw-threads, which engage with the screw-threads *e* on a spigot-shank, E. Above said plug D, and around said spigot-shank, sets a metal collar, F, which has a concave recess on its upper side, into which the central part of a packing, *f*, is forced by a small convex enlargement, F, on shank E. Next above this packing is a metal washer, G, against which bears the flat under side of an enlargement, H, of said shank, said enlargement being convex on the upper side. Said shank is secured to the faucet by means of a shell or large nut, I. The lower part is internally screw-threaded, so as to engage with screw-threads on the outside of valve-casing A^2, while its upper part is concave on the inside, to fit convex enlargement F′, and vertically perforated, to allow the passage of shank E. The attachments and conformations above described prevent said shank from either ascending or descending in the faucet, so that the turning of said shank causes plug or valve D to ascend or descend at will, thereby closing or opening the passage through the faucet. All leakage is prevented, and the different parts are firmly retained in their proper places.

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

Adjustable nozzle B, having flange *b*, in combination with clamp C, clamping-screw C^1, and faucet-tube A, substantially as and for the purpose set forth.

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

PATRICK LYONS.

Witnesses:
A. J. BENNER,
B. R. ALLEN.