(No Model.)

M. J. KEANE.

BOTTLE TAP.

No. 398,162. Patented Feb. 19, 1889.

Fig. 1

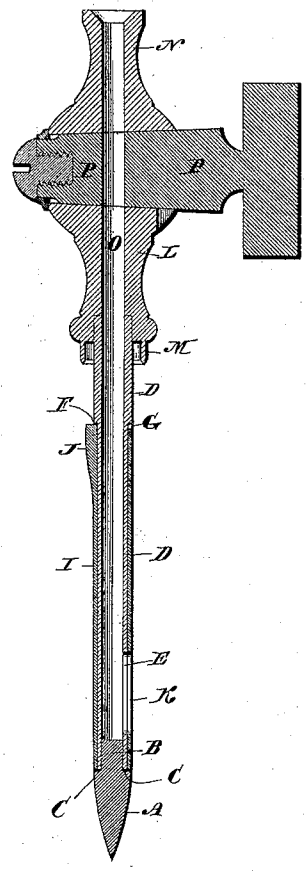


Fig. 2

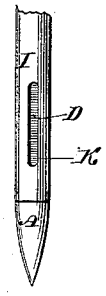


Fig. 3



Fig. 4

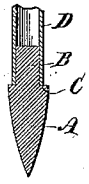


Fig. 5

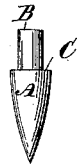
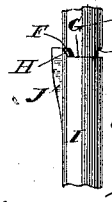


Fig. 6



Witnesses:
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UNITED STATES PATENT OFFICE.

M. JOSEPH KEANE, OF NEW HAVEN, CONNECTICUT.

BOTTLE-TAP.

SPECIFICATION forming part of Letters Patent No. 398,162, dated February 19, 1889.

Application filed July 18, 1888. Serial No. 280,241. (No model.)

To all whom it may concern:

Be it known that I, M. JOSEPH KEANE, residing at New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Bottle-Taps; and I do declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in bottle-taps, the object being to provide an article which shall be simple and durable in construction and easy and efficient in operation.

With these ends in view my invention consists in a point having an offsetting-shoulder and located in the lower end of the inner tube of a bottle-tap, and forming the lower bearing for the outer tube of the tap; in means for preventing the outer tube of such a tap from turning in the cork and for closing the fissure made in the cork by the said means for preventing the outer tube from turning, and in certain other details of construction, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in central longitudinal section of one form which a bottle-tap embodying my invention may assume. Fig. 2 is a detached broken view showing the lower end of the tap in elevation with the induction-ports separated. Fig. 3 is a similar view showing them in alignment. Fig. 4 is a detached broken sectional view showing the lower end of the inner tube and the point. Fig. 5 is a detached view in elevation of the point, and Fig. 6 is a broken view in elevation showing the arrangement for limiting the relative rotation of the tubes.

As herein shown, a metal point, A, having a shank, B, and a shoulder, C, is brazed or otherwise secured in the lower end of the inner tube, D, its shoulder offsetting beyond the same. The said tube is provided near its lower end with an elongated induction-port, E, and at its upper end with a shoulder, F, having a stop, G, for engagement by the corresponding stop, H, of an outer tube, I, which is interposed between the said shoulders of the inner tube and point, provided at its upper end with an offsetting pointed fin or retaining-point, J, and at its lower end with an induction-port, K, arranged to be aligned with the port of the inner tube for drawing fluid through the tap, and to be turned past such port to close the tap and prevent the egress of fluid or the ingress of air through it into the bottle. The upper end of the inner tube is provided with a faucet, L, having at its lower end a ring or cap, M, having a sharp edge, whereby it is adapted to penetrate the cork, and so close the fissure made therein by the fin before referred to. The faucet is provided with a nozzle, N, a longitudinal passage, O, in line with the inner tube, and an ordinary plug, P, intersecting the said passage.

In using my improved tap it is manipulated to set the induction-ports out of alignment, as shown by Fig. 2 of the drawings, so that while it is being forced into and through the cork no particles can enter the ports and clog it, whereby this source of trouble in ordinary taps is avoided. As the tap is pushed home the fin of the outer tube sinks into the cork and prevents the tube from turning therein. When, now, it is desired to draw off some fluid from the bottle, the faucet and inner tube are turned together to align the induction-port of such tube with the port of the outer tube, the stops at the upper ends of the tubes preventing them from turning too far. This done, the plug is turned and the fluid drawn off, after which the plug and inner tube are turned back, so that the tap is closed at both ends.

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

1. A bottle-tap having an inner tube provided near its lower end with an induction-port, a point located in the lower end of such tube and provided with a shoulder offsetting from it, and an outer tube provided with a corresponding port and engaging at its lower end with the offsetting-shoulder of the said point, substantially as set forth.

2. A bottle-tap having an inner tube provided near its lower end with an induction-port, a point located at the lower end of such tube and provided with a shoulder offsetting

therefrom, and an outer tube provided with a corresponding port and having means to resist turning in the cork, substantially as set forth.

3. A bottle-tap having an inner tube provided near its lower end with an induction-port, a point located in the lower end of such tube and provided with a shoulder offsetting therefrom, an outer tube provided with a corresponding port, and a fin offsetting from the outer tube for preventing the same from turning in the cork, substantially as set forth.

4. A bottle-tap having an inner tube provided near its lower end with an induction-port, a point located in the lower end of such tube and provided with a shoulder offsetting therefrom, an outer tube provided with a corresponding port and with a fin or point for preventing it from turning in the cork, and a faucet having means at its lower end to close over the fissure made in the cork by the said point, substantially as set forth.

5. A bottle-tap having an inner tube provided near its lower end with an induction-port, a point located in the lower end of such tube and provided with a shoulder offsetting therefrom, and an outer tube provided with a corresponding port and with a fin to prevent it from turning in the cork, and a cap entering the cork above the fin to close the fissure made thereby, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

M. JOSEPH KEANE.

Witnesses:
CHAS. B. SHUMWAY,
WILLIAM HARRISON.