C. Jakob,

Faucet.

No. 108,025. Patented Oct. 4. 1870.

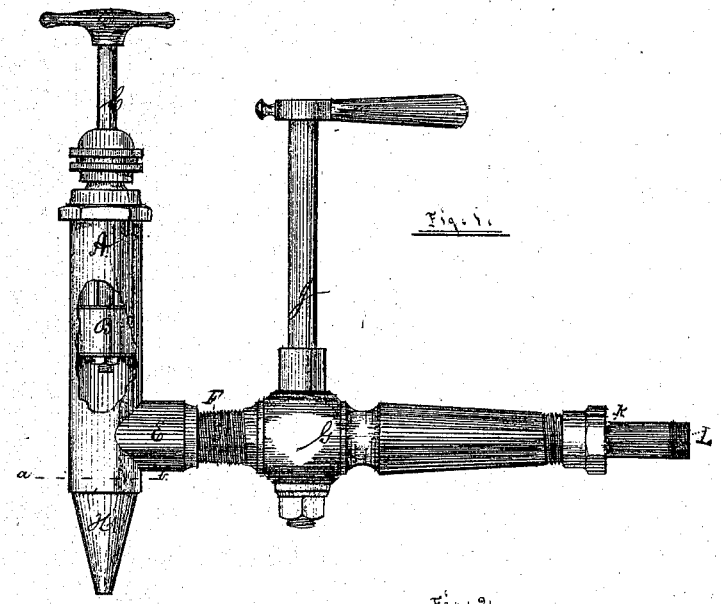

Fig. 1.

Fig. 2.

Witnesses

C. W. Bailey

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CHRISTIAN JAKOB, OF NEW ORLEANS, LOUISIANA.

Letters Patent No. 108,025, dated October 4, 1870.

IMPROVEMENT IN BEER-FAUCETS.

The Schedule referred to in these Letters Patent and making part of the same.

I, CHRISTIAN JAKOB, of New Orleans, Louisiana, have invented a certain Improvement in Beer-Faucets, of which the following is a specification.

My improvement consists of the combination of an air-pump, of peculiar construction, with a beer-faucet that is so contrived as to be equally adapted to a direct connection with the beer-holder, or to the end of a pipe of gutta-percha, which passes through a refrigerator, in which it is coiled, with the view of cooling the beer after it leaves the holder or reservoir.

The object of my invention is the instantaneous production of foam, after the same has been condensed by the application of ice or cold, or the beer is, for any reason, in that condition technically called "flat," or without foam; but my invention will be better understood by referring to the drawing, on which—

Figure 1 is a side view of it in complete form, except that a part of the barrel of the air-pump is broken away, to show the plunger or piston-head, and

Figure 2, a detached view of the perforated diaphragm in the pump, at the point indicated by the dotted line *a b* on fig. 1.

On the drawing—

A is a representation of the air-pump, and

B the plunger-head, firmly secured on the lower end of the plunger-rod C, while at the upper end of this rod a handle, D, is permanently secured.

There is no novelty about any part of the plunger, and I need not say more about it than that its head must be so constructed as to receive and hold in place a packing of any suitable air-tight material.

At about the point shown on the drawing the barrel A of the pump is provided with a short elbow-section, E, in the end of which is cut a female screw-thread, to receive the male screw F on the outer end of the barrel G of the faucet, and thus to secure the connection of the pump with the faucet.

To make the joint perfectly tight, I may insert a small annular washer between the end of the faucet and a rim in the elbow E, near its intersection with the barrel A.

Below the elbow E, and just above the point at which the barrel A begins to taper, as shown at H, a perforated diaphragm, I, is inserted in the barrel A, in order to provide for an admission of air within said barrel whenever the plunger is drawn toward the top thereof.

The barrel G of the faucet is provided with a stop-cock, J, as shown, a little distance back of its connection with the air-pump, and at its end with a screw-thread, to connect it directly with the beer-holder or with a supplemental part, K, to receive, by means of a screw-thread, L, over it, the end of a gutta-percha tube, for conveying the beer from the holder through a refrigerator, wherein a considerable extent of said tube is coiled, in order to cool a sufficient quantity of the beer to supply the demand for it at any one time.

In the winter season, or whenever the natural temperature or climate is sufficiently low to prevent foaming, the faucet can be screwed directly in the reservoir in which it is kept, whatever the nature of the vessel may be; but whenever the natural temperature is sufficiently high to produce active foaming, or too much warmth to make the beer an agreeable drink, it is necessary to use a tube, and, therefore, the supplemental part K, in order to effect refrigeration, and hence it is that I consider said supplemental part a necessary integer of my improvement.

The operation of my invention is as follows:

Whenever, from any cause, the beer flows out without sufficient foam or bead, the air-pump is put in active motion, and, drawing up air through the perforated diaphragm, at every up-stroke, forces the same into the beer, as it runs out, at every downward stroke, and thus produces an instantaneous foaming of the same to any desired extent.

The pump is worked by hand, and I have found that it will not only cause the beer to foam as it is drawn, but that, if worked rapidly, it will even force air into the holder in sufficient quantity to induce foaming there also.

What I claim is—

The arrangement, herein described, of the removable air-pump A, faucet G, and removable coupling K, when said air-pump is provided with perforated diaphragm I and female screw-thread E, and said faucet has a male screw-thread, F, substantially as specified.

CHRISTIAN JAKOB.

Witnesses:

C. W. WRISLEY,

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