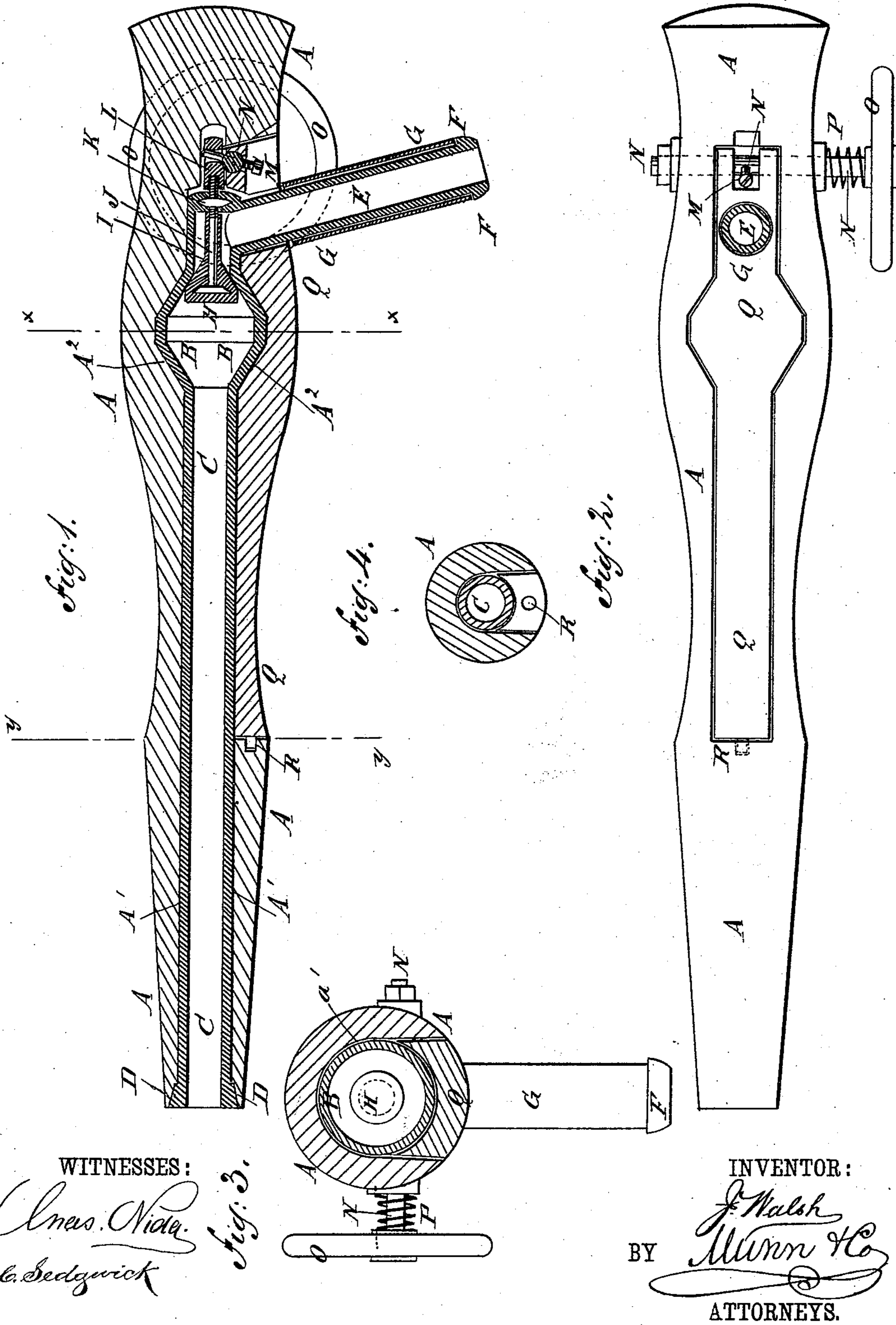


(No Model.)

J. WALSH.  
BEER FAUCET.

No. 352,964.

Patented Nov. 23, 1886.



WITNESSES:

*Chas. Nida.*  
*C. Sedgwick*

*Fig. 3.*

INVENTOR:

BY *J. Walsh*  
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# UNITED STATES PATENT OFFICE.

JOHN WALSH, OF NEW YORK, N. Y.

## BEER-FAUCET.

SPECIFICATION forming part of Letters Patent No. 352,964, dated November 23, 1936.

Application filed March 15, 1886. Serial No. 195,275. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN WALSH, of the city, county, and State of New York, have invented a new and useful Improvement in Beer-Faucets, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional side elevation of my improved beer-faucet. Fig. 2 is a bottom view of the same, the discharge-nozzle being shown in section. Fig. 3 is a sectional end elevation of the same taken through the line *x x*, Fig. 1. Fig. 4 is a sectional end elevation of the same taken through the line *y y*, Fig. 1.

The object of this invention is to provide beer-faucets constructed in such a manner that the liquid will be kept from coming in contact with the metal of the faucets and being contaminated thereby.

The invention consists in the construction and combination of the various parts of the faucet, as will be hereinafter fully described.

A represents the metallic stock of the faucet, which is perforated from its inner end nearly to its outer end, and is provided with an aperture in its lower side for the passage of the discharge-nozzle. The longitudinal perforation *A'* in the stock A, at a little distance from the nozzle-aperture, is provided with an enlargement, *A<sup>2</sup>*, as shown in Fig. 1, to receive an enlargement or bulb, B, formed upon the rubber tube C, placed within the stock A. The outer end of the rubber tube C has a flange, D, formed around it, and the length of the said rubber tube C from its inner end to its bulb is made a little less than the distance from the inner end of the stock A to the enlargement in its perforation, so that the said part of the rubber tube will be put under so much tension as will hold the flange D so firmly to its seat as to prevent the liquid from forcing its way in between the rubber tube C and the inner surface of the stock A.

Upon the lower side of the forward end of the rubber tube C, and in one piece therewith, is formed the discharge-nozzle E, which passes out through the aperture in the lower side of the stock A, and has a flange, F, formed around its outer end.

If desired, a metallic tube, G, can be placed upon the nozzle E, with its inner end resting against the stock A and its outer end resting against the flange F. In this case the tube G should be made so much longer than the nozzle E that the said nozzle will be put under sufficient tension to hold the said tube G securely in place.

H is a rubber valve which fits into the forward part of the bulb B, and is made with a hollow rubber stem, I, through which passes a screw, J, the head of which is embedded in the valve H, and which passes through a nut, K, embedded in the closed end of the rubber tube C. Upon the projecting end of the screw J is screwed the inner end of the long nut L, through the outer part of which is formed a short slot to receive the end of a screw-pin, M. The screw-pin M passes through a screw-hole in the shaft N, which passes through a transverse hole in the stock A, and has a nut screwed upon its forward end. Upon the other end of the shaft N is secured a hand-wheel or other handle, O, for convenience in turning the said shaft to push the valve H back from its seat and allow the liquid to flow out.

Upon the shaft N is placed a spiral spring, P, one end of which is secured to the said shaft, or to the handle O, and its other end is secured to the stock A, to turn the shaft N back to its former position after being turned to open the valve H and being released. With this construction, when the valve H is raised from its seat, the end part of the tube C is put under compression, so that the elasticity of the said tube, assisted by the spring P and the outward pressure of the liquid, will force the said valve to its seat as soon as the shaft N is released.

The rubber stem I is made so much longer than the screw J that its elasticity will keep its outer end always in close contact with the closed end of the tube C, so that the liquid cannot come in contact with the said screw.

The forward part of the stock A is tapered in the usual manner, to adapt it to be driven tightly into the bung-hole of the cask, and in the lower side of the said stock A, from, at, or near the end of the said taper to a point a little beyond the nozzle-aperture, is formed a slot to facilitate the insertion of the rubber tube C in the perforation of the said stock. The slot

in the lower side of the stock A is closed by a block, Q, through the outer end of which is formed the nozzle-aperture, so that the rubber tube C will be firmly supported against the pressure of the liquid when the faucet is in use. The forward end of the block Q is secured in place by the shaft N, which passes through the said block and through the stock A.

To the inner end of the block Q is attached a dowel-pin, R, which enters a hole in the shoulder at the rear end of the slot in the lower side of the stock A, and thus secures the inner end of the said block in place.

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

1. In a faucet, the combination, with the stock A, having longitudinal perforation A', with enlargement A<sup>2</sup>, and the rubber tube C, having flanged rear end and closed forward end, and provided with an enlargement, B, and a nozzle, E, of the valve H, the screw J, embedded in the said valve, the nut K, embedded in the closed forward end of the said rubber tube and engaging with the said screw, the

slotted nut L, the screw-pin M, engaging with the said slotted nut, and the shaft N, carrying the said screw-pin and provided with a spring, P, connected with the stock A, substantially as herein shown and described, whereby the faucet can be readily opened and closed, as set forth.

2. In a faucet, the combination, with the stock A, having slot in its lower side, and the rubber tube C, having nozzle E, of the separable block Q, substantially as herein shown and described, whereby the said rubber tube can be readily inserted and will be securely supported when in use, as set forth.

3. In a faucet, the combination, with the stock A, the separable block Q, and the rubber tube C, provided with a nozzle, E, having flange F at its outer end, of the tube G, substantially as herein shown and described, whereby the said nozzle is covered and protected, as set forth.

JOHN WALSH.

Witnesses:

JAMES T. GRAHAM,  
C. SEDGWICK.