No. 636,210. Patented Oct. 31, 1899.

A. LIESE.

BEER FAUCET.

(Application filed Mar. 13, 1899.)

(No Model.)

Fig. 1.

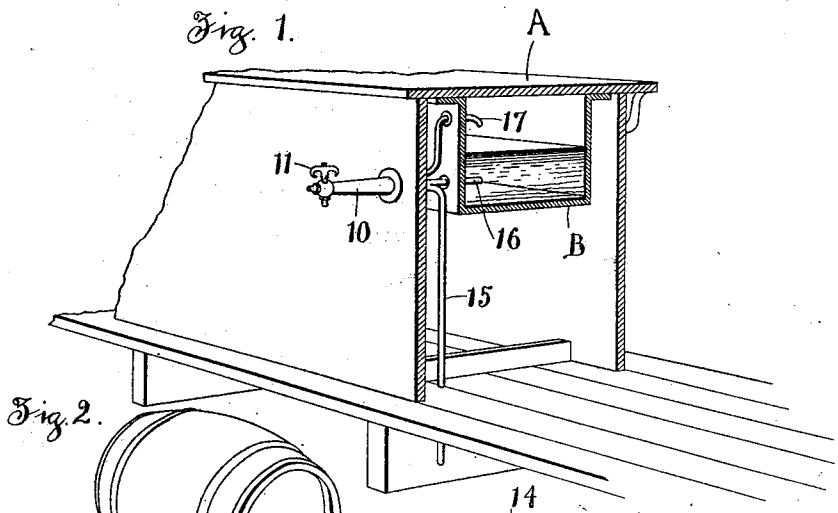


Fig. 2.

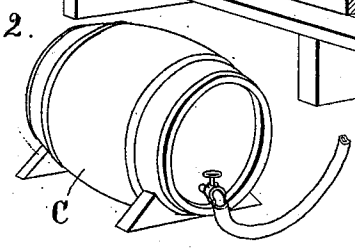


Fig. 3.

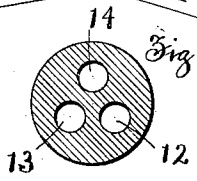


Fig. 4.

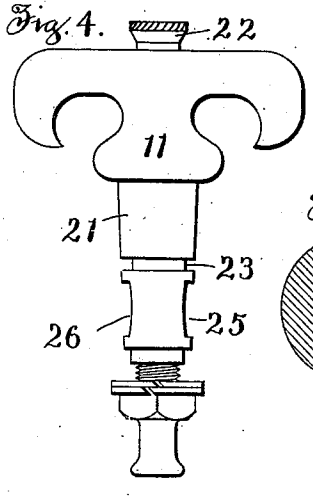


Fig. 6.

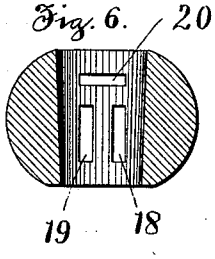
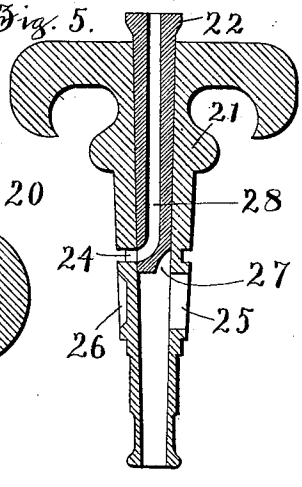


Fig. 5.



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UNITED STATES PATENT OFFICE.

AUGUSTUS LIESE, OF LANCASTER, MASSACHUSETTS.

BEER-FAUCET.

SPECIFICATION forming part of Letters Patent No. 636,210, dated October 31, 1899.

Application filed March 13, 1899. Serial No. 708,822. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS LIESE, a citizen of the United States, residing at South Lancaster, in the county of Worcester and State of Massachusetts, have invented a new and useful Beer-Faucet, of which the following is a specification.

The object of my invention is to provide a simple, efficient, and inexpensive beer-faucet which is adapted to be connected so that, by the use of a single turn-cock, beer, ale, or other liquor may be drawn either from a tank or directly from the wood and so that the same can be tempered by simultaneously drawing off more or less gas, as desired.

A further object of my invention is to construct the beer-faucet so that the beer or ale may be admitted from the barrel to a storage-tank and so that any excess of gas may be exhausted from the upper part of the cock instead of blowing the same off through the usual outlet.

To these ends my invention consists of the combination of parts in a beer-drawing faucet, as hereinafter described, and more particularly pointed out in the claims at the end of this specification.

In the accompanying drawings, Figure 1 is a fragmentary perspective view illustrating the application of a beer-drawing faucet constructed according to my invention. Fig. 2 is a perspective view of the barrel or keg. Fig. 3 is a transverse sectional view of the socket-piece of the faucet. Fig. 4 is a side view of the turn-cock. Fig. 5 is a transverse sectional view of the same, and Fig. 6 is a sectional view showing the ports or passages in the socket-piece controlled by the turn-cock.

A beer-drawing faucet constructed according to my invention preferably comprises a socket-piece having beer-drawing passages adapted for connection to a barrel and tank, respectively, and a gas-passage which is preferably connected to the upper part of the tank. Fitting into the socket-piece is a turn-cock comprising two independent rotatable concentric sections, the outer section being provided with a port for drawing beer from the tank or barrel as desired, and the inner section having passages or ports for allowing gas to escape from the top of the turn-cock or to be directed down through the mouth of the same to temper the beer being drawn as desired. The outer section of the turn-cock is also preferably provided with a depression or blind port for connecting the pipe or passage from the barrel to the pipe or passage to the tank when desired, so as to allow the beer to run from the barrel up into the tank whenever it is desired to fill the same.

When beer or ale is drawn directly from the wood, the gas-pressure in a freshly-tapped keg is ordinarily so heavy as to cause the beer to foam or froth to an undesirable degree, and, on the other hand, when a keg is nearly exhausted the beer is comparatively flat. On this account it is now customary to employ tanks or receptacles into which the beer can be drawn from the keg or barrel and from which tank properly tempered or charged beer can be drawn.

By the use of a beer-drawing faucet constructed according to my invention beer may be drawn either directly from the wood or from the storage-tank, so that part of a glass may be filled with beer from the tank and may then be tempered or charged for drawing more highly charged beer directly from the barrel. Also by the use of my beer-drawing faucet the surplus gas may be exhausted up through the top of the turn-cock or may be drawn off simultaneously with the flow of the beer, so as to temper the same to the desired extent, and also beer may be drawn from the barrel or keg directly into the tank to fill the same when desired.

Referring to the drawings and in detail, A designates a counter or bar, and B designates a storage-tank inclosed therein. These parts may be of the ordinary construction, the forms herein illustrated being shown merely for the purposes of illustration.

A beer barrel or keg C may be located in the cellar or other convenient place in the ordinary manner.

My beer-drawing faucet comprises a socket-piece 10 and a composite turn-cock 11. The shank of the socket-piece, as illustrated in section in Fig. 3, is provided with beer-drawing passages 12 and 13, which may be connected to pipes 15 and 16 to the barrel C and tank B, respectively, and with a gas-passage 14, which may be connected by a pipe 17,

opening into the upper part of the tank. The passages 12, 13, and 14 terminate in ports 18, 19, and 20, as shown in Fig. 6. The composite turn-cock 11 comprises two concentric independently-rotatable sections. The outer section 21 has an annular groove 23, and a port 24 coöperating with the gas-port 20, and a port 25 and a blind port or passage 26 cooperating with the ports 18 and 19. The inner section 22 of the composite turn-cock 11 is provided with passages 27 and 28, coöperating with the gas-port 24 in the outer section 21 of the turn-cock.

In the use of a beer-drawing faucet constructed according to my invention when the port 25 registers with the port 18 in the socket-piece beer will be drawn directly from the barrel, and when said port 25 registers with the port 19 beer will be drawn from the tank B. The surplus gas in the tank B may be exhausted up through the top of the turn-cock by turning the inner section 22 so that its passage 28 will register with the gas-port 24, as shown in Fig. 5, or the inner section 22 may be turned so that its passage 27 will register with the gas-port 24 to utilize the gas from the tank B to temper the beer which is being drawn when desired. By turning the turn-cock so that its blind port or passage 26 connects with ports 18 and 19 the tank B may be filled from the barrel.

It will thus be seen that I have provided an extremely simple and inexpensive beer-drawing faucet which can be readily manipulated to temper the beer being drawn to exactly the degree desired and which may be employed for controlling the surplus gas-pressure and for filling the tank.

I am aware that changes may be made in the construction of my beer-faucet by those who are skilled in the art without departing from the scope of my invention as expressed in the claims. I do not wish, therefore, to be limited to the details of construction which I have herein illustrated; but

What I do claim, and desire to secure by Letters Patent of the United States, is—

1. In a beer-drawing faucet, the combination of a socket-piece having a gas-passage and beer-drawing passages adapted for connection to a barrel and tank respectively, and a turn-cock comprising two concentric, independently-rotatable sections, the outer section having a port for drawing beer from the tank or barrel, as desired, and the inner section having ports for controlling the escape of gas, substantially as described.

2. In a beer-drawing faucet, the combination of a socket-piece having a gas-passage and beer-drawing passages adapted for connection to a barrel and tank respectively, and a composite turn-cock comprising two concentric, independently-rotatable sections, the outer section having a port for drawing beer from the tank or barrel, as desired, and a blind port or passage for filling the tank from said barrel and the inner section having passages for controlling the escape of gas, substantially as described.

3. In a beer-drawing faucet, the combination of a socket-piece having a gas-passage and beer-drawing passages adapted for connection to a barrel and tank respectively, and a turn-cock comprising two independently-rotatable, concentric sections, the outer section having a port for drawing beer from the tank or barrel, as desired, and the inner section having passages for allowing gas to escape from the top of the turn-cock and for directing the gas down through the mouth of said cock respectively, substantially as described.

4. In a beer-drawing faucet, the combination of a socket-piece 10 having a gas-passage 14 and beer-drawing passages 12 and 13 adapted for connection to a barrel and tank respectively, and a turn-cock 11 comprising concentric, independently-rotatable sections 21 and 22, the outer section having an annular gas-groove 23, a port 25, and a blind port or passage 26, and the inner section 22 having passages 28 and 27 for allowing the gas to escape from the top of the cock or for directing the same down through the mouth thereof, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

AUGUSTUS LIESE.

Witnesses:
H. PRENTICE KENDALL,
E. W. BUTTRICK.