No. 650,834. Patented June 5, 1900.

W. HANDLER.

STRAINER ATTACHMENT FOR BEER DISPENSING APPARATUS.

(Application filed Feb. 15, 1899.)

(No Model.)

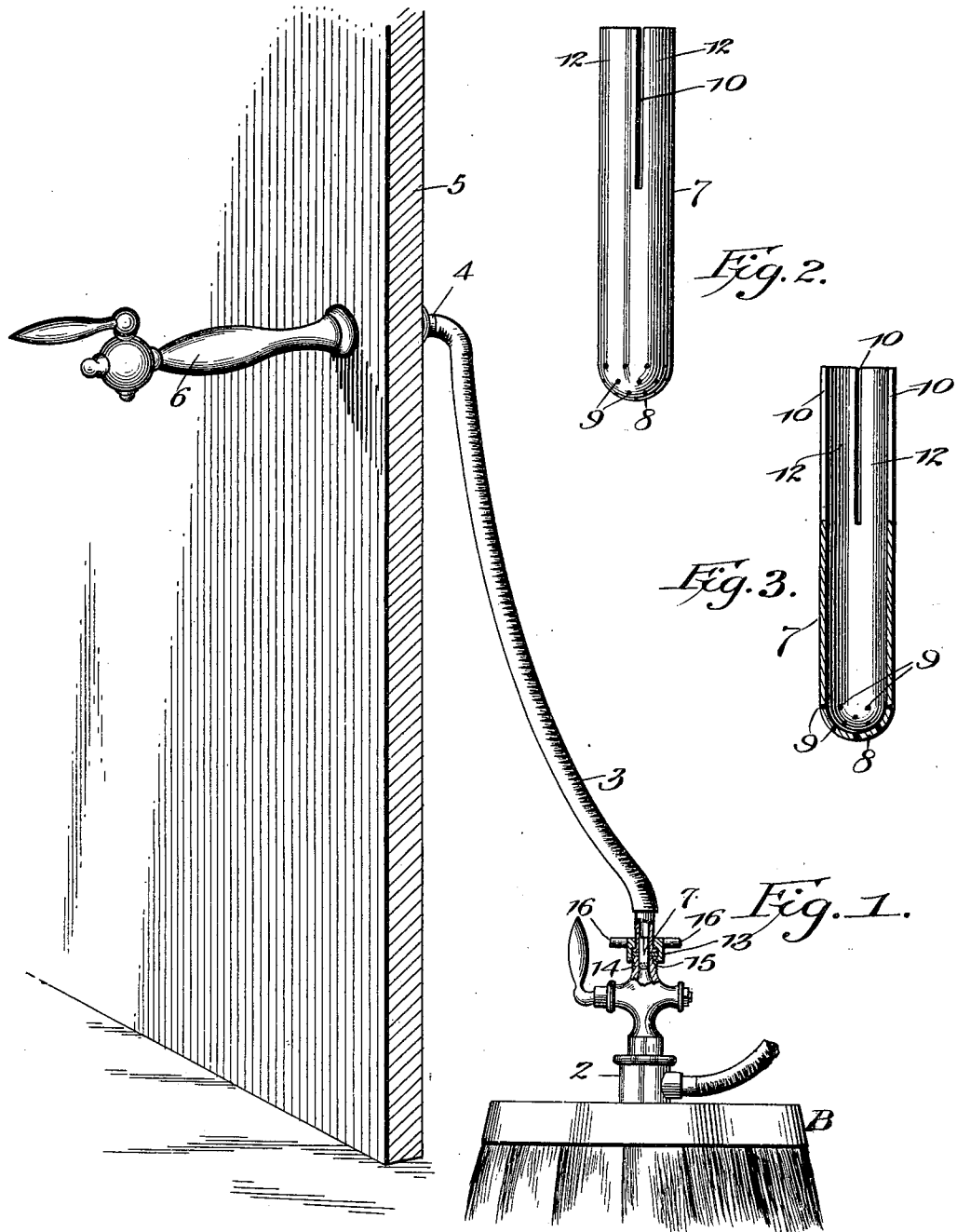

Fig. 1.

Fig. 2.

Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM HANDLER, OF JERSEYVILLE, ILLINOIS.

STRAINER ATTACHMENT FOR BEER-DISPENSING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 650,834, dated June 5, 1900.

Application filed February 15, 1899. Serial No. 705,542. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HANDLER, a citizen of the United States, residing at Jerseyville, in the county of Jersey and State of Illinois, have invented a new and useful Strainer Attachment for Beer-Dispensing Apparatus, of which the following is a specification.

This invention relates to strainers for attachment to beer-dispensing apparatus; and the object of the invention is to provide a simple device of this character which can be quickly and easily applied to any of the existing forms of beer-dispensing apparatus and which serves to equalize the amount of froth or foam supplied to each glass, thereby preventing the presence of a large amount of foam in the first-drawn glasses and the entire absence of foam in the last-drawn glasses, both of which are extremely objectionable to beer consumers, as in the first place the foam practically fills the glasses, while in the other case the absence of foam detracts from the flavor and palatability of the liquid.

With these ends in view the invention consists in the novel combination of elements and in the construction and arrangement of parts, which will be hereinafter fully described and claimed.

To enable others to understand the invention, I have illustrated the preferred embodiment thereof in the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a perspective view of a portion of a beer-dispensing apparatus provided with a strainer constructed in accordance with my invention. Fig. 2 is an elevation of the strainer. Fig. 3 is a longitudinal central section of the same.

Like characters denote like and corresponding parts in each of the several figures of the drawings.

In the drawings I have represented the upper portion of a beer-barrel, and the same is denoted by B, and through the top of said barrel the discharge-pipe 2 extends, and this pipe is adapted to connect with the flexible pipe or tube 3, the latter terminating in the rigid pipe or casing 4, extending through the wall or partition 5 of a compartment, and said pipe or casing is provided with a draw-off faucet 6, by manipulating which in a well-known manner the beer can be supplied to glasses or other vessels and also cut off at the proper time, and the strainer attachment, which is designated by 7, is disposed in the piping connecting the faucet and the barrel at a place intermediate said two last-mentioned parts, and in the present case said strainer attachment is closely fitted within the discharge-pipe 2, which is directly connected with the barrel.

The strainer attachment is in the form of a tube the outer end of which is closed, as at 8, and is provided with a multiplicity of perforations 9, through which the beer and the regulated quantity of foam can pass, and the open end of this strainer is disposed in the discharge-pipe 2, it being understood that the latter, in connection with the flexible pipe and faucet pipe or casing, constitute a continuous conduit for permitting the flow of the beer into glasses. The closed outer end of the tubular strainer is nearest to the barrel and is of concavo-convex shape, the convex surface being next the barrel, so that the pressure of the liquid upon such concave surface is lessened, although the beer can pass through the perforations with sufficient force to flow to the faucet end of the apparatus and at the same time effect the equalization of the froth supplied to all glasses drawn from the barrel.

The tubular strainer has a series of longitudinal slits or kerfs 10, extending about half the length of the same from the inner edge thereof, which construction produces a series of resilient fingers 12, which are adapted to frictionally engage the inner surface of the discharge-pipe 2 at the upper end of the latter, thereby to hold the strainer firmly in place and against the pressure of the beer.

The pipes 2 and 3 are connected by a coupling 13, slidably carried by the pipe 2 and interiorly threaded to engage the externally-threaded nipple 14 at the end of the flexible pipe 3, and said coupling fits against the annular shoulder 15 at the upper end of the pipe 2 when in its working position, and it is provided with the oppositely-disposed arms 16, by which it may be readily turned.

As hereinbefore set forth, the strainer attachment is interposed in the discharge-pipe

at a place between the faucet and the barrel, and it serves to prevent the supply of an excess of foam to the first glasses that are drawn off, whereby the foam supplied to each glass is substantially the same, and this advantage follows even though the contents of a barrel are not used the same day upon which the barrel is tapped. Ordinarily with existing forms of apparatus for dispensing beer the last part of the liquid discharged contains practically no foam, thereby rendering the same flat and unpleasant to a drinker.

Changes in the form, proportion, size, and the minor details of construction within the scope of the appended claim may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what I claim is—

The combination with a vessel and a discharge-tube leading therefrom, of a foam reducing and equalizing device located intermediate the vessel and the discharge end of said tube and consisting of a tube open at one end and closed at the other by a hollow hemispherical end wall provided with radial inlet-openings and disposed with its outer convex surface in opposition to the flow of liquid from the vessel, whereby the liquid is caused to pass inward through the openings, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM HANDLER.

Witnesses:

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