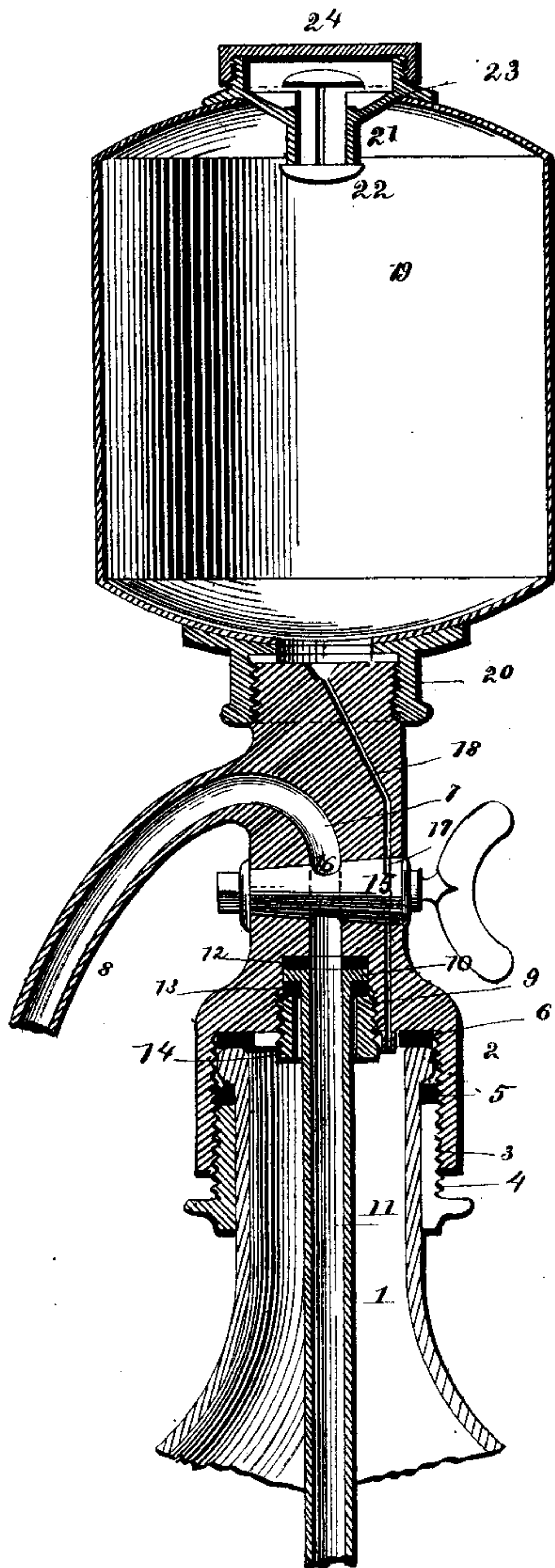


(No Model.)

F. HEYMAN.
SIPHON FOR BEER, &c.

No. 354,787.

Patented Dec. 21, 1886.



WITNESSES
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UNITED STATES PATENT OFFICE.

FREDERIK HEYMAN, OF SVANHOLM, DENMARK.

SIPHON FOR BEER, &c.

SPECIFICATION forming part of Letters Patent No. 354,787, dated December 21, 1886.

Application filed August 30, 1886. Serial No. 212,222. (No model.)

To all whom it may concern:

Be it known that I, FREDERIK HEYMAN, a subject of the King of Denmark, residing at Svanholm, near Copenhagen, in the Kingdom of Denmark, have invented certain new and useful Improvements in Siphons for Beer and Similar Beverages; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to the figures of reference marked thereon, which forms a part of this specification, and which represents a vertical sectional view of a siphon provided with my improvement.

My invention has relation to siphons for containing beer and similar beverages; and it consists in the improved construction and combination of parts of a siphon having a reservoir at its top for containing compressed air or gas for the purpose of forcing the fluid out of the siphon, as hereinafter more fully described and claimed.

When beer and similar beverages are to be contained in siphons, and to be drawn off the siphons in small quantities, it is desirable to have air or gas compressed above the fluid for the purpose of forcing it out through the drawing-tube, and it is at the same time desirable to have the said compressed air or gas contained in such a manner that it will not mix with the fluid and thus affect the properties of the beverage; and for the purpose of having the compressed air or gas contained in such a manner that it may readily be brought to bear upon the fluid in the bottle of the siphon, and at the same time not be in constant contact with the fluid, I construct an air chamber or reservoir above the bottle in which the air or gas may be contained and from which it may be let into the bottle when the pressure is required, as I shall now proceed to describe.

In the accompanying drawing, the numeral 1 indicates the bottle, to the neck of which is secured the body 2 of the siphon in the usual manner, the said body having the usual inwardly-screw-threaded flange 3 at its lower end, into which the split sleeve 4, which fits around the neck of the bottle, may be screwed, the upper edge of the said sleeve bearing against a gasket, 5, and the upper edge of the

mouth of the bottle bearing against a gasket, 6, the said gaskets closing the joint between the body of the siphon and the neck of the bottle perfectly air-tight.

The body of the siphon is provided with the bore 7, extending out through the spout or nozzle 8; and the lower end, 9, of this bore is enlarged and interiorly screw-threaded, and has the upper flanged end, 10, of the drawing-tube 11 inserted into it, the flanged end bearing against a gasket, 12, in the upper end of the enlargement or recess, and having a gasket, 13, bearing against its under side, which gasket is clamped upward by means of a screw-threaded sleeve, 14, fitting into the recess and securing the flanged end of the tube within it.

The plug 15 of the cock or body of the siphon is provided with a transverse perforation, 16, registering with the discharge-bore of the cock, and a smaller parallel perforation, 17, passes through the plug and registers with the ends of a small bore, 18, passing vertically through the cock or body from the upper end of the same down to the lower end of the same.

A reservoir or chamber, 19, is secured with a screw-threaded neck, 20, upon the upper screw-threaded end of the cock or body, and the upper end of this reservoir is provided with a valve-seat, 21, and an inwardly-opening valve, 22, the seat and aperture being surrounded by a screw-threaded neck, 23, having a removable screw-cap, 24, fitting upon it.

The siphon may be filled with fluid in the usual manner, and the air chamber or reservoir may be filled with compressed air or gas by any suitable means, either before filling the siphon, during the filling of the siphon, or after the filling of the same, the filling of the reservoir being entirely independent of the filling of the siphon. It will now be seen that the bore of the plug for the smaller bore in the cock being parallel with the discharge-bore of the plug, the gas or compressed air will be allowed to pass from the reservoir into the top of the bottle when the cock is opened, causing the gas to force the contents out of the bottle, and a fresh supply of gas or compressed air will be let into the bottle at each tapping of the bottle, so that there will be a perfect pressure upon the fluid whenever the cock is opened.

Having thus described my invention, I claim

and desire to secure by Letters Patent of the United States—

In a siphon for beer and like beverages, the combination of the body of the siphon adapted
5 to be secured in an air-tight manner to a bottle or other receptacle, and provided with a nozzle downwardly projecting from its side, and with two bores, one extending through
10 said nozzle and the lower part of said body and the other extending vertically through the body, a plug furnished with two parallel

transverse perforations adapted to register with said bores, and a reservoir provided with a capped valve-aperture at its upper end and secured upon the upper end of said cock, as 15 and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

FREDERIK HEYMAN.

Witnesses:

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