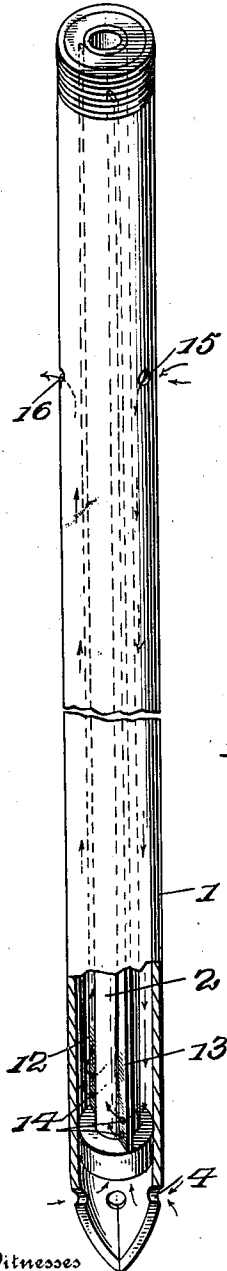


M. W. MARSDEN & E. DAHN.
 BEER ROD.
 APPLICATION FILED JUNE 4, 1909.

950,295.

Patented Feb. 22, 1910.

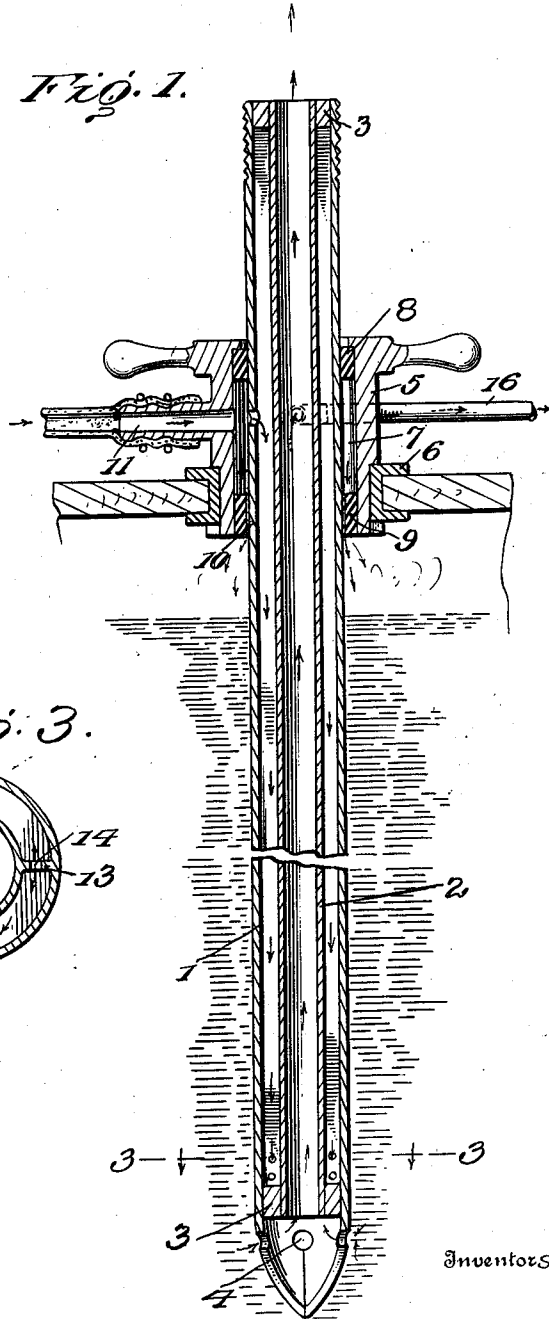
Fig. 2.



Witnesses

W. A. Williams
 P. P. Byrnes

Fig. 1.



Inventors

Mark W. Marsden
 Edward Dahn

John H. Richmond
 Attorney

UNITED STATES PATENT OFFICE.

MARK W. MARSDEN AND EDWARD DAHN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNORS TO THE UNITED BEVERAGE IMPROVEMENT COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF ARIZONA TERRITORY.

BEER-ROD.

950,295.

Specification of Letters Patent.

Patented Feb. 22, 1910.

Application filed June 4, 1909. Serial No. 500,155.

To all whom it may concern:

Be it known that we, MARK W. MARSDEN and EDWARD DAHN, both citizens of the United States, and residents of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Beer-Rod, of which the following is a specification.

The object is to provide in a single or unitary element an eduction passage for dispensing the beer or other beverage and means for supplying air for forcing purposes and for cooling the eduction passage.

To these and other ends the invention resides in the subject-matter hereinafter more particularly described and defined in the subjoined claims.

The annexed drawing illustrates an embodiment of the invention that has given excellent results in practice.

Figure 1, is a vertical sectional view of the rod applied to a cask or barrel; Fig. 2, is a perspective view partly in section of the rod detached; and Fig. 3, is a section on line 3—3 of Fig. 1.

Referring to the drawings, the numerals 1 and 2, designate concentric or nested tubular shells which may be secured relatively by rings or collars 3. The hollow rod or tube 1, constitutes a passage for the liquid and the space between the tubes constitutes an air chamber. The rod or tube 1, is slightly longer than the tube 2, and the projecting portion is tapered and closed and provided with apertures 4, as usual, to admit the liquid to the dispensing rod 1.

5, indicates a bung which is carried by the rod 1, and which coöperates in the well known manner with the bushing 6, on the barrel or cask to secure a tight joint. There is an annular air space or chamber 7, in the bung which is limited by packing rings 8 and 9, whereof the ring 8, is tight to provide a perfect seal and whereof there is some clearance as at 10, between the ring 9, and the tube or rod 1, so as to permit sufficient air to escape into the cask for forcing purposes.

11, indicates an air intake which connects with a suitable source of cold air under the desired pressure.

The annular space between the tubes or shells 1 and 2, is divided into two compartments by partitions or vanes 12 and 13, and the only means of communication between the compartments is by the ports 14, near the bottom thereof.

In practice cold air under sufficient pressure is admitted to the bung chamber 7, and some of it escapes via the annular passage 10, into the cask and tends to force the liquid through the rod. The remainder circulates around and tends to cool the liquid passage 1, by entering the inlet port 15, and passing down through one compartment and up the other and finally escaping through an outlet or relief passage 16.

Having described the nature and objects of our invention, what we claim as new and desire to secure by Letters Patent is:

1. A beer rod having a surrounding air jacket, and a bung having an air chamber communicating with said jacket and having a separate outlet for supplying air for forcing purposes.

2. A beer rod having a surrounding air jacket, and a bung carried by the rod and having an air chamber communicating with said jacket and having a separate outlet for supplying air for forcing purposes.

3. A beer rod comprising nested tubular shells whereof the inner shell constitutes a liquid passage and whereof the space between the shells constitutes an air space, vanes dividing said space into intercommunicating compartments whereof one is provided with an inlet and the other with an outlet, and a bung equipped with an air chamber adapted to supply air to said compartments for cooling purposes and adapted to supply air to the barrel for forcing purposes, substantially as specified.

In testimony whereof we have hereunto signed our names to this specification in the presence of two subscribing witnesses.

MARK W. MARSDEN.
EDW. DAHN.

Witnesses:

DANIEL J. RAFFERTY.
E. W. STRAIN.