(No Model.)

W. A. WAGNER.

APPARATUS FOR COOLING AND DRAWING BEVERAGES.

No. 550,232. Patented Nov. 19, 1895.

Fig. 1.

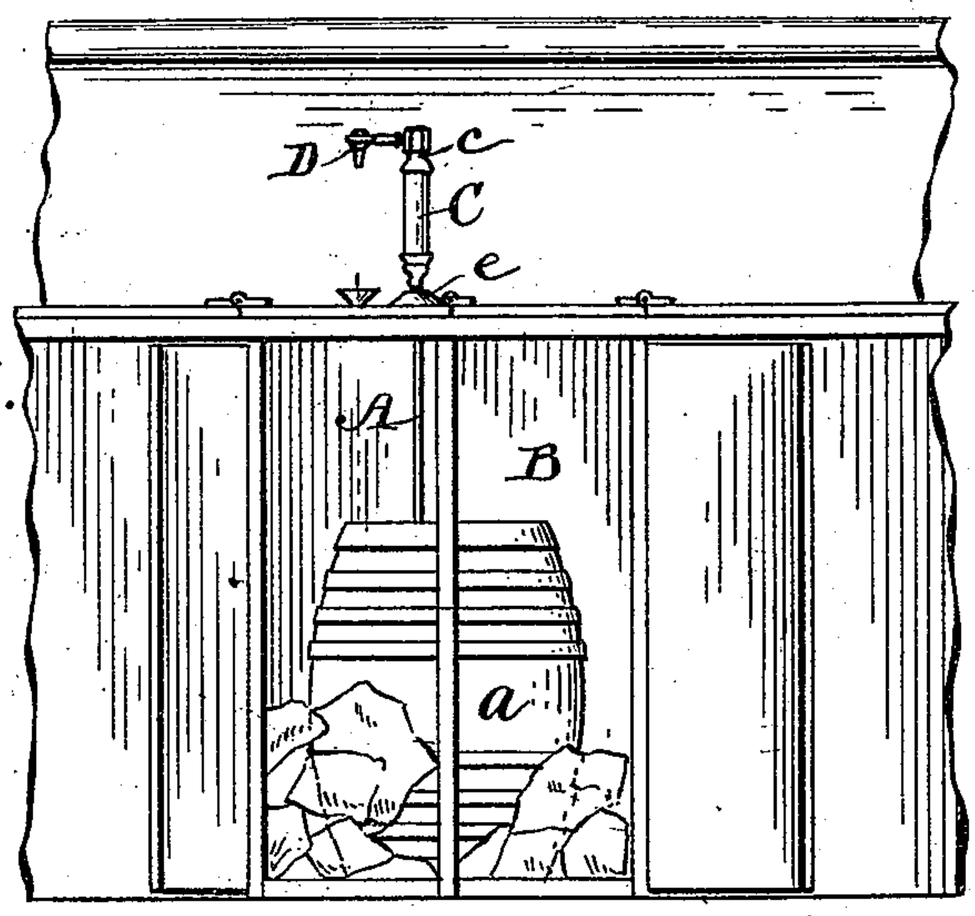


Fig. 2.

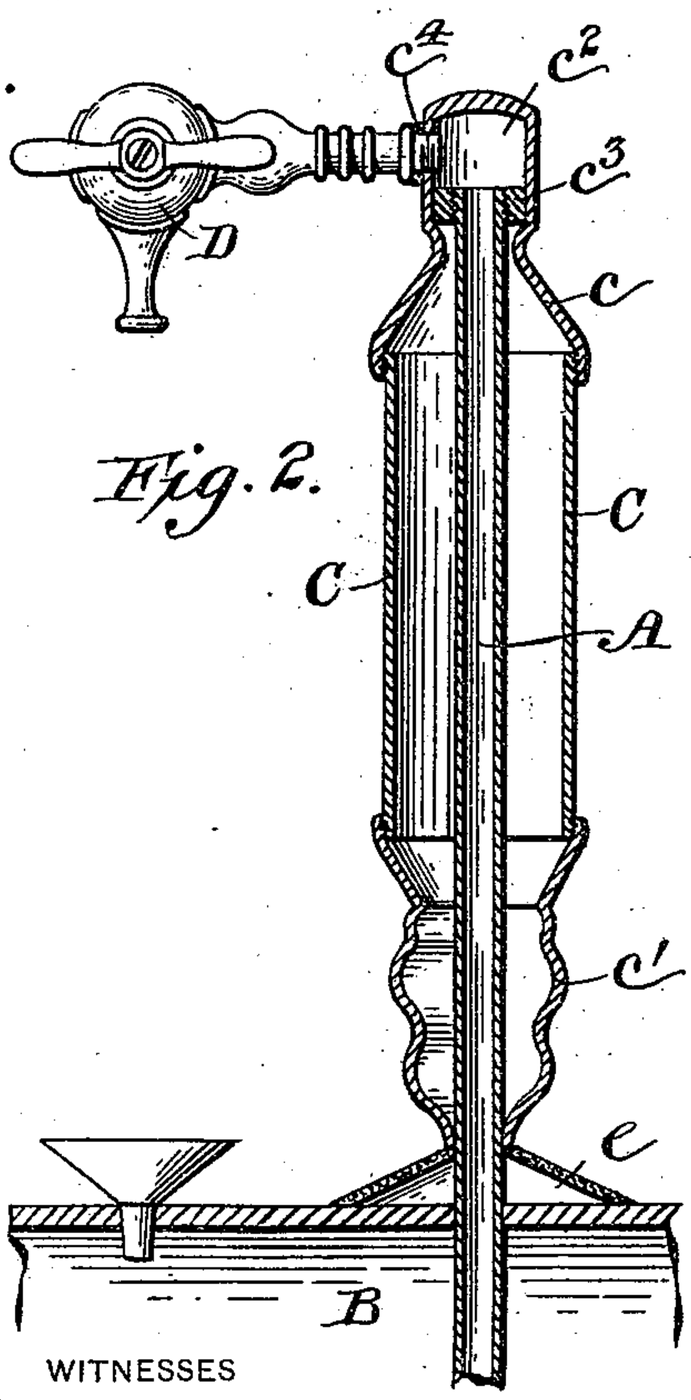


Fig. 3.

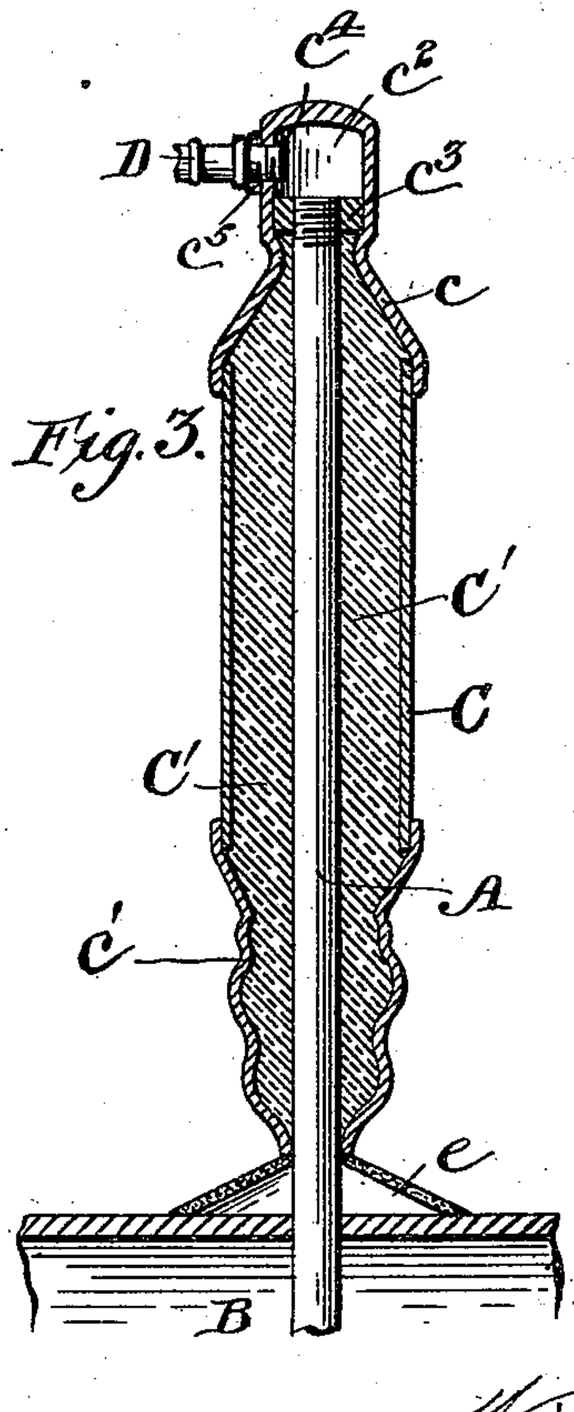


Fig. 4.

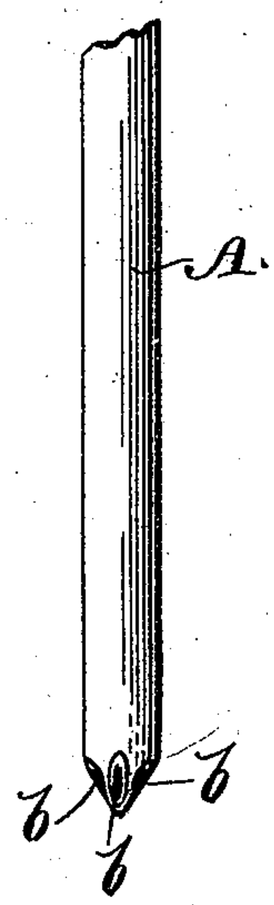
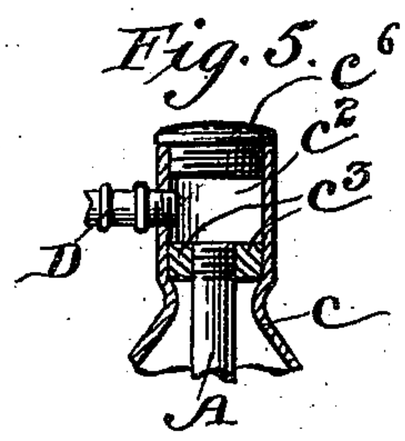


Fig. 5.



WITNESSES

Geverance.

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UNITED STATES PATENT OFFICE.

WILLIAM A. WAGNER, OF DULUTH, MINNESOTA.

APPARATUS FOR COOLING AND DRAWING BEVERAGES.

SPECIFICATION forming part of Letters Patent No. 550,232, dated November 19, 1895.

Application filed March 14, 1895. Serial No. 541,722. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. WAGNER, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Apparatus for Cooling and Drawing Beverages; and I do hereby 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.

My invention relates to improvements in cooling and draft apparatus for beer, ale, and other beverages and has particular relation to such apparatus by which the beverage can be drawn directly from the keg through a cooling-chamber and to a point above the bar.

The invention consists in the combination with a suitable cooling-chamber, a supply-pipe passing through the same and projecting from it, a sealed air-tight jacket forming a non-heat-conducting chamber about said projecting portion for protecting it from the external heat, and a faucet connected to the end of said projecting pipe.

It also consists in the combination with a suitable cooling-chamber, a supply-pipe passing through the same and projecting from it, a sealed air-tight jacket forming a chamber about said projecting portion, a non-heat-conducting filling for said chamber for protecting said projecting end from the external heat, and a faucet connected to the end of said projecting pipe.

It also consists of certain other novel constructions, combinations, and arrangements of parts, all of which will be hereinafter more particularly set forth and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 represents a side elevation, partly in section, of my invention applied to a bar or counter. Fig. 2 represents a central vertical section of the upper jacketed portion of the supply-pipe. Fig. 3 represents a central vertical section of the same with the asbestos or other non-heat-conducting filling. Fig. 4 represents an enlarged detail view of the lower end of the supply-pipe, and Fig. 5 represents an enlarged detail view of a modified form of the upper end of the jacketed portion of the supply-pipe.

A in the drawings represents the supply-pipe; B, the refrigerating or cooling chamber; C, the protecting-jacket, and D the faucet.

The refrigerating or cooling chamber B is of any suitable construction and is situated below the counter or bar to which the apparatus is applied. The supply-pipe A, connected to the keg *a*, passes through this cooling-chamber and may, if so desired, be formed into a coil therein, so as to present more cooling surface to the action of the cold air. The lower end of this pipe is closed, but is apertured, as at *b b b*, to allow the contents of the keg, into which it projects, to pass freely into it and be conducted upward through the cooling-chamber and through the top of the bar or counter. At the point where said pipe passes through the bar it is provided with a hollow conical washer *e*, of rubber, leather, or other suitable material, which prevents the cool air from escaping from the refrigerating-chamber or the warm air of the room from passing into said chamber.

The jacket C is cylindrical in form and of such size as to leave an air-space completely surrounding the pipe A. This jacket is provided with conical heads *c c'*, respectively. The heads may be formed integral with the jacket, or they may be constructed separately and applied to the same by screw-thread or by crimping, shrinking, or any other suitable process. These heads at their outer ends are contracted, the lower head *c'* to such an extent that its open lower end is exactly the size of the pipe A, upon which it is shrunk or screwed. The upper head *c* has its upper contracted end extended to form a chamber c^2, which is closed at the bottom by a horizontal partition or web c^3. The web has a screw-threaded central aperture adapted to receive the upper screw-threaded end of the pipe A. The extended portion of the head *c* is apertured, as at c^4, to receive the end of any suitable draft-faucet D, and a suitable packing-washer c^5 is applied at this joint to make a liquid-tight joint.

As shown in Fig. 3, the jacket C is filled with asbestos or other non-heat-conducting material C'. The object of the jacket C in both of the forms is to prevent the warm atmosphere of the room from coming in contact with the supply-pipe A, containing the cold beer, ale, or other beverage and thus warm-

ing said liquid. The jacket C and its heads may be made of any suitable material, but are preferably made of metal, which is given any desired outward ornamental form and finish.

As shown in Fig. 5, the upper head c is provided with a screw-cap c^6, by means of which the interior of the head c^2 can be reached to be cleaned or for like purpose.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A portable beer dispensing apparatus comprising in combination a long conducting pipe having an opening at top and bottom, and of proper length for passing through a counter and having its lower portion enter a beer barrel or holder to an extent sufficient to insure the emptying of the same, and its upper portion extend up above the counter a convenient distance for drawing off the beer; a short, enlarged heat insulating cylinder forming a sealed chamber for air or a suitable non-conductor, outside the conducting pipe, and a beer receiving chamber and draw-off cock-support above the discharge end of the pipe, said chamber at its lower end being gradually contracted by a downward taper to a diameter corresponding, internally, with the outer diameter of the pipe and terminated at its extremity in a stop adapted for resting on the counter and holding the lower end of the pipe in suspension in close proximity to the bottom of the barrel or beer holder, and having its upper end also gradually contracted on a taper to a diameter corresponding, internally, to the outer diameter of the pipe, and above this contracted portion extended upward, and thereby forming the beer receiving chamber and draw off cock support above the upper end of the pipe; and the draw off cock secured into the said support and in communication with the said beer receiving chamber, substantially as described.

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

WILLIAM A. WAGNER.

Witnesses:

JAMES T. WATSON,

E. W. BARKER.