(No Model.)

P. F. GARDNER.

APPARATUS FOR COOLING AND DRAWING BEER.

No. 332,508. Patented Dec. 15, 1885.

Fig. 1.

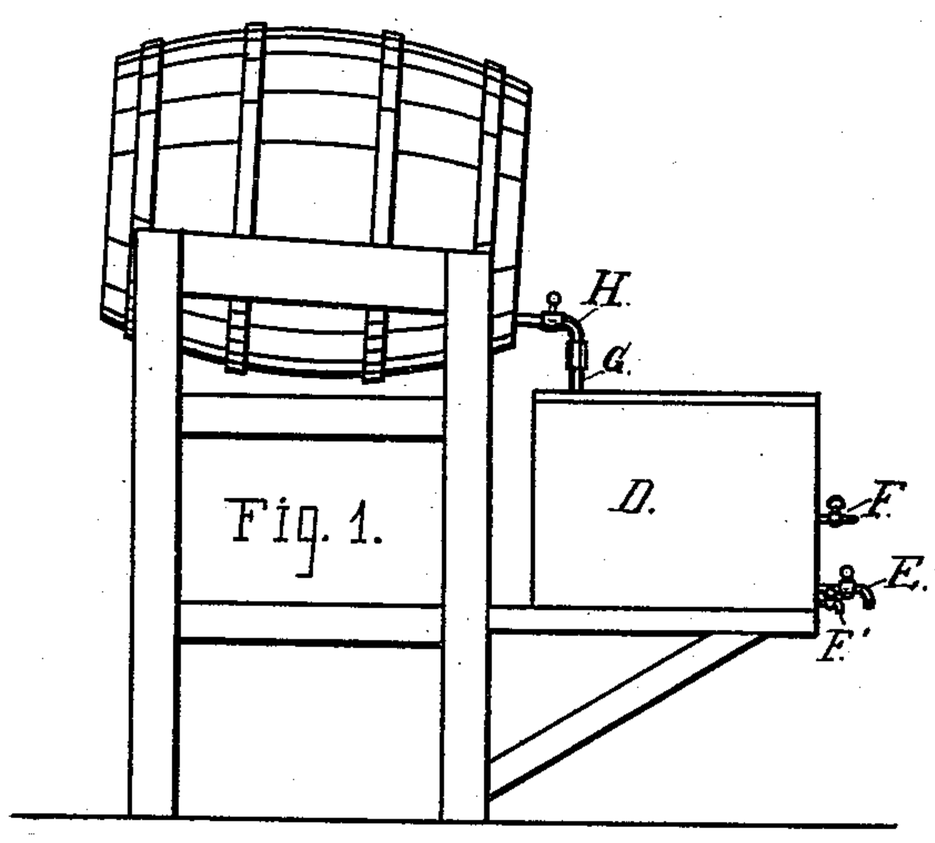
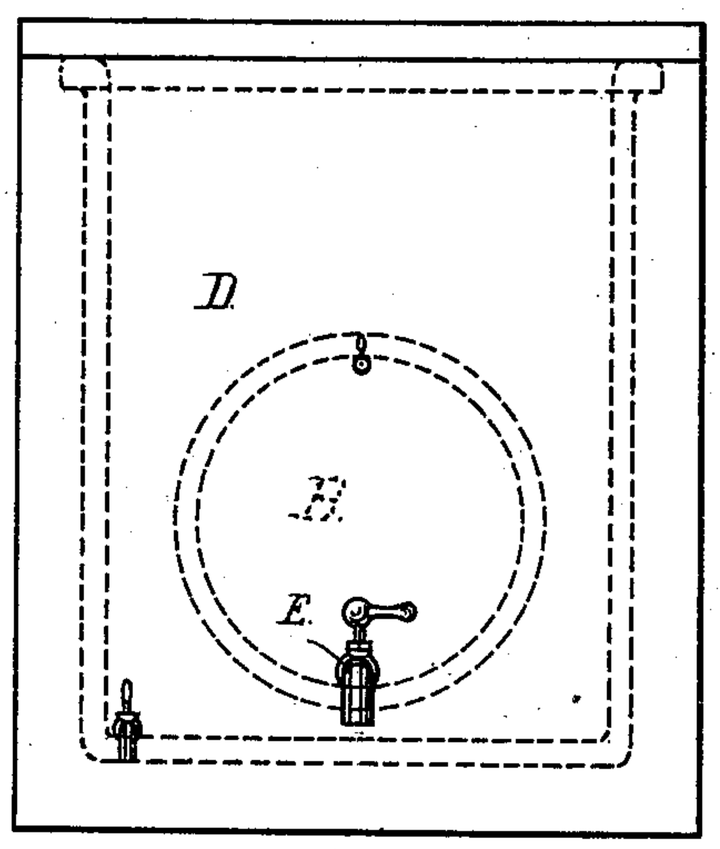


Fig. 2.



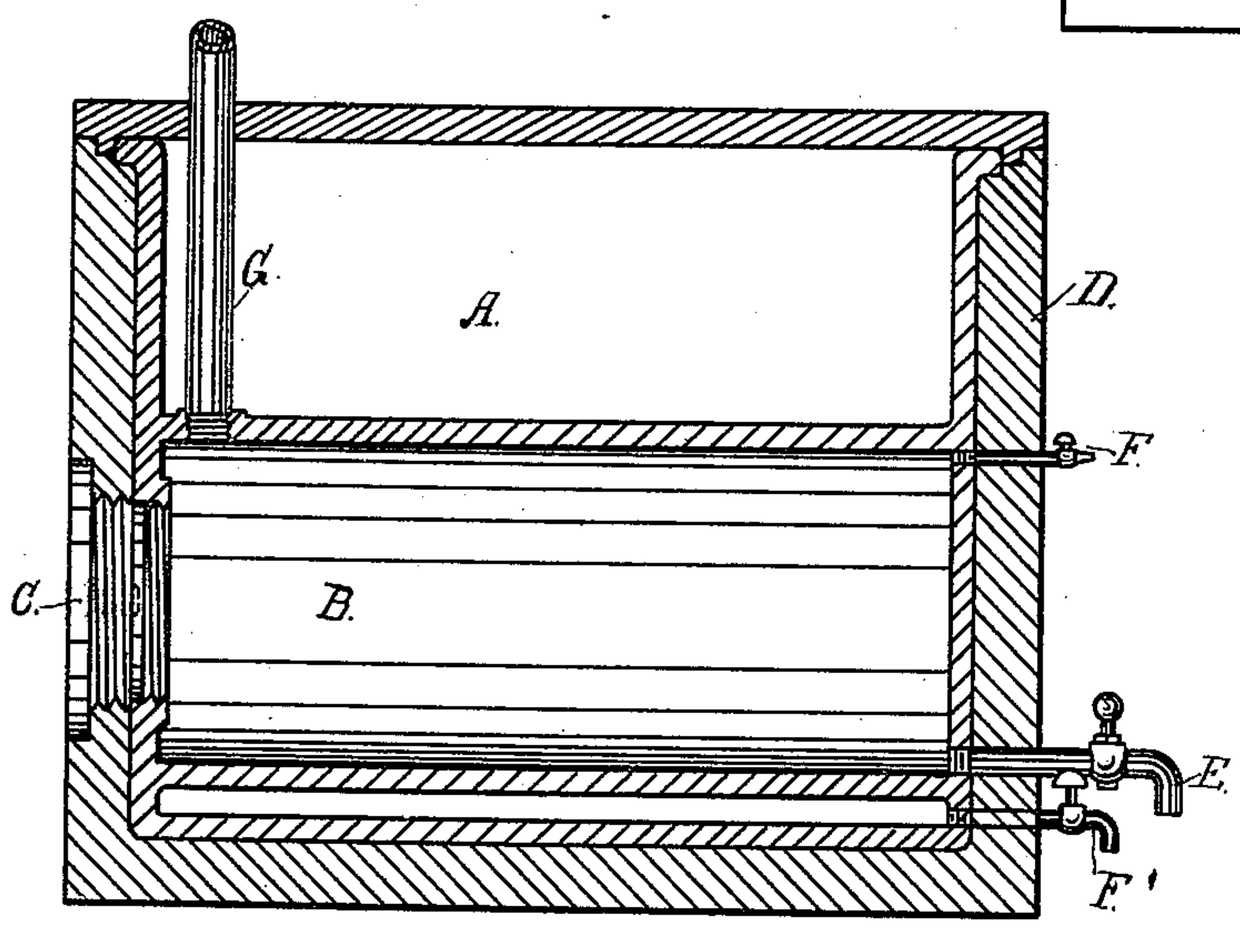


Fig. 3.

Witnesses:

Wm. Mayer.

Joseph Ford.

By his Atty.,

Inventor:

Pliny F. Gardner.

by Wm Smith

UNITED STATES PATENT OFFICE.

PLINY FISK GARDNER, OF HILL'S FERRY, CALIFORNIA.

APPARATUS FOR COOLING AND DRAWING BEER.

SPECIFICATION forming part of Letters Patent No. 332,508, dated December 15, 1885.

Application filed June 19, 1885. Serial No. 169,252. (No model.)

To all whom it may concern:

Be it known that I, PLINY F. GARDNER, a citizen of the United States, residing at Hill's Ferry, in the county of Stanislaus and State of California, have invented a new and useful Apparatus for Cooling and Drawing Beer, of which the following is a specification.

In the accompanying drawings, forming a part of this specification, Figure 1 is a view in elevation of my apparatus for cooling and drawing beer, showing the connection with the cask or keg. Fig. 2 is a front end view of the cooler. Fig. 3 is a longitudinal view of the cooling and drawing apparatus.

In carrying out my invention I employ a rectangular cooling chamber or box, A, of sheet metal, within which is placed a cooling-cylinder, B. The ends of this cylinder are turned up and flanged, and these flanged ends are riveted to the ends of the rectangular chamber through and through, so as to render the cylinder air and water tight and leave a space completely around the cylinder when in position in the chamber or box. The interior of both the cylinder and chamber or box are porcelain-lined. In the rear end of the cooling chamber or box A is made an opening, which intersects with the body of the cylinder B, and in which is placed a screw-threaded gasket by riveting through and through the end of the cylinder gasket and chamber, and within the opening so made is placed a screw-cap, C, provided with a countersink for a key, for convenience in opening and closing the man-hole, in order to wash out the cylinder when necessary and keep it sweet and clean.

The cylinder B is gaged to contain one gallon or more, and the cylinder and cooling-chamber so constructed are placed in a wooden tank or box, D, of a larger dimension than that of the cooling-chamber B, and this wooden box may be lined with some non-conducting material, if necessary. The front end of the wooden tank or box is pierced to receive the cocks and faucets. The cock represented at E is the beer-drawing cock or faucet, and the one represented at F is a vent-cock, to be hereinafter more fully described. Both of these cocks connect with the cylinder B through the medium of bushing and screw-connections, as shown, while the lower cock, F′, connects only with the refrigerating chamber or tank A on a line with the bottom thereof.

The cask containing the beer is placed above the cooler, as shown, and a pipe, G, is screwed into the top of the beer-cylinder B, which connects with the cask by means of the cock or faucet H, so that connection is always had with the cooling-cylinder when the coupling is made with the cask containing the beer.

In practice a sufficient quantity of ice is placed within the cooling-chamber upon the cylinder, and the beer from the cask connected to the cylinder B through the medium of the pipe-connection. When, however, the cooling-cylinder B is being charged or filled, the vent-cock F is opened, and remains so until the cylinder is filled, as the office of this cock is to provide a medium for the air and gas to pass out of the cylinder as the beer from the cask enters, so that it will be possible to fill the cylinder, as otherwise but little beer would be received into the cylinder when connection is made with the cask, on account of the atmospheric air contained therein. When the beer commences to pass out of the vent-cock, this is closed, and the full quota of one gallon or more of beer is admitted to the cooling-cylinder, to be drawn off through the beer-cock at pleasure. As the ice in the cooler melts and forms water, it passes down into the bottom of the chamber and is drawn off by the lower cock, F′. It will thus be seen that I have a continuous beer cooling, measuring, and drawing apparatus.

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

In a beer-cooling apparatus, the rectangular wooden tank D, containing a porcelain-lined rectangular cooling-chamber, A, which in turn contains a porcelain-lined cylinder, B, whose ends are flanged for attachment to the chamber A, the said cylinder B connecting with the beer-cask by a pipe, G, and provided with screw-cap C, vent F, and draw-off cock E, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

PLINY FISK GARDNER. [L. S.]

Witnesses:

J. C. GREEN,

CHAS. L. BAMBAUER.