H. VOIGT.
Beer-Cooler.

No. 196,956. Patented Nov 6, 1877.

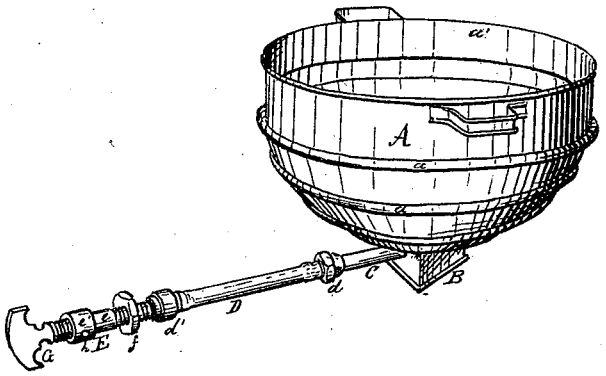


Fig: 1.

Fig: 2

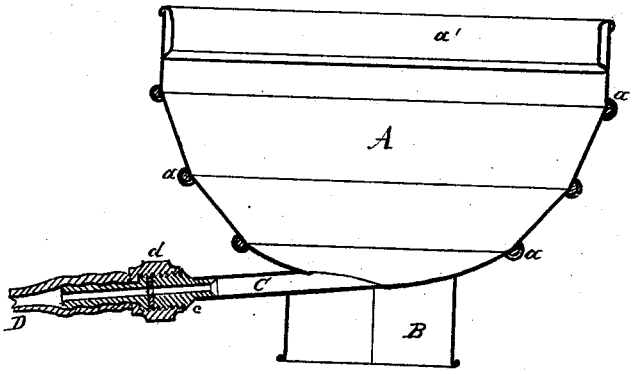
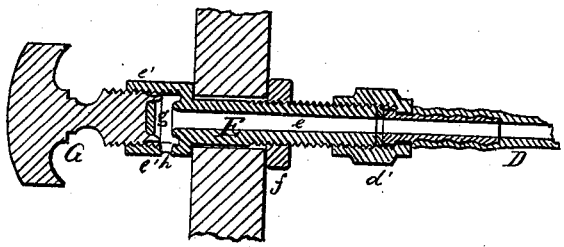


Fig: 3.



Witnesses
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By

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UNITED STATES PATENT OFFICE.

HERMANN VOIGT, OF MILWAUKEE, WISCONSIN.

IMPROVEMENT IN BEER-COOLERS.

Specification forming part of Letters Patent No. **196,956,** dated November 6, 1877; application filed May 5, 1877.

To all whom it may concern:

Be it known that I, HERMANN VOIGT, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Beer-Coolers, of which the following is a specification:

The nature of my invention relates to that class of beer-coolers used for keeping the wort at the right temperature during the fermenting process; and it consists of a floating sheet-metal pan, stiffened by iron hoops secured around its body, and in a rubber hose connecting its bottom with a screw-valve placed through the wall of the fermentation-tub, for drawing off the water as the ice is melting.

Figure 1 is a perspective view of the cooler complete. Fig. 2 is a vertical longitudinal section of the pan, and Fig. 3 is a similar section of the water-outlet valve.

A is the floating pan, of a half-spherical shape, made of sheet metal, and stiffened by a series of iron hoops, *a*, made of half-round iron, and secured latitudinally upon the exterior surface of the pan, where they are covered by strips of sheet metal swaged to the required shape. The top edge of the pan A is stiffened by an interior hoop, *a'*, and the bottom by a triangular cup, B. The pipe C, which starts from the bottom of the pan, ends with a screw-threaded swell, *c*, for the coupling of hose D.

E is the faucet, consisting of the hollow stem *e* and its cup-shaped head *e'*. The stem *e* is passed through a hole bored into the wall of the fermentation-tub, and is secured therein by a nut, *f*, matching the screw-thread of the stem. The cup *e'* is internally screw-threaded, so as to receive a thumb-screw, G, having a recess in its end for holding a rubber washer, *g*, which will shut up the hole in the stem E, if screwed in as far as it will go. The hole *h* is drilled through the wall of the cup *e'*, near its bottom, through which the water will escape as it passes the valve.

The hose D has a coupling, *d* and *d'*, at each end, so as to form the connection between the floating pan A and the faucet E. This floating pan A has the stiffening-hoops *a* on its exterior surface, and its interior surface is smooth, so that the ice in melting will steadily fall to the bottom.

The pan being coupled to the wall of the tub by means of hose D, it is more apt to stay in the center of the tub and not float about, and will be very economical in the use of ice, since the ice can be kept free of water by means of the faucet E.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The floating pan A, stiffened by exterior hoops *a*, and having pipe C, all constructed substantially as described and shown.

2. A beer-cooler, for the purpose described, consisting of the floating pan A, the rubber hose D, and the faucet E, all arranged as shown and specified.

3. The faucet E, constructed substantially as described, in combination with the floating pan A and hose-connection D, as and for the purpose set forth.

HERMANN VOIGT.

Witnesses:

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