L. DOLLE.

Cooler for Water and Bottled Beverages.

No. 209,669. Patented Nov. 5, 1878.

Fig. 1.

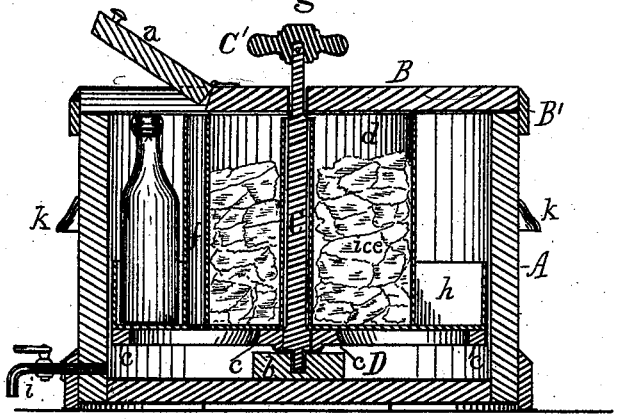


Fig. 2.

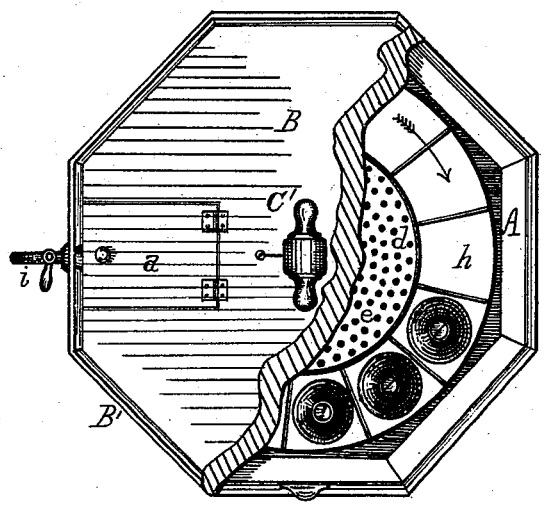
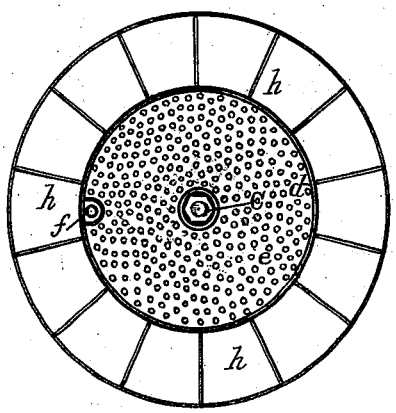


Fig. 3.



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LORENZ DOLLE, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN COOLERS FOR WATER AND BOTTLED BEVERAGES.

Specification forming part of Letters Patent No. **209,669**, dated November 5, 1878; application filed July 18, 1878.

To all whom it may concern:

Be it known that I, LORENZ DOLLE, of Baltimore, in the county of Baltimore and State of Maryland, have invented a new and useful Improvement in Coolers for Water and Bottled Beverages, of which the following is a specification:

Figure 1 is a vertical section of my cooler. Fig. 2 is a top view, part of the cover being broken away. Fig. 3 is a plan of the revolving bottle-receptacle.

The object of my invention is to improve the construction of coolers for drinking-water and bottled beverages; and consists in a vertical revolving shaft projecting through the cover, and provided with a handle, by means of which the bottle-receptacles are revolved, and an opening in the cover, which will admit one bottle at a time, or allow the water to be replenished through a vertical pipe arranged in the ice-chamber, as hereinafter set forth.

A represents the outer case of the cooler, which may be constructed in any approved manner, being lined with zinc or galvanized iron. In the present example this case is octagonal in shape; but it may be round. It is provided with a cover, B, having a flange, B′, which fits closely to the case. An opening near the edge is made in the cover sufficient only to admit a bottle of the size ordinarily used for the liquor or beverage for which the cooler is designed, and is closed by a lid, *a*, hinged to the cover. In the center of the bottom is secured a galvanized-iron bearing, *b*, in which turns the spindle of the upright shaft C, the spindle on the upper end of which projects through and turns in a hole in the center of the cover. To the projecting end is attached the handle C′, for convenience of turning.

c represents a circular perforated plate or frame of iron, fastened to the upright shaft above the lower spindle, and forming the base or seat for the sheet-metal ice-chamber and bottle-receptacle.

d is the circular-shaped ice-chamber surrounding the upright shaft. The walls of this chamber are as high as the top of case will permit, and the bottom is perforated, as seen at *e*.

A pipe, *f*, passes vertically from the top of the wall of ice-chamber down through the bottom, and its location is such (see Fig. 1) that the water-chamber D, formed in the bottom of the case, may be replenished by raising the small lid *a*, thus admitting a funnel to the pipe, through which the water is poured. Around the ice-chamber, and resting on the iron base *c*, are sheet-metal pockets or receptacles *h*, in which the bottles are placed.

A faucet, *i*, is placed in the side of the case at the bottom to draw off the cold water, and handles *k* may be attached to the sides for convenience of moving.

The clean ice is placed in the central chamber around the upright shaft. The bottles containing the beverage to be cooled are placed, one in each pocket or receptacle. The water to be cooled is filled in through the vertical pipe, as already described. The water from the melting ice passes through the perforations to the water-receptacle below.

It is not essential that the bottles should be cleaned with extra care, as they occupy the water-tight pockets from which the ice and the water in the receptacle below intended for drinking purposes is excluded, so that as long as the water does not rise in the cooler high enough to overflow the rim of the pockets it cannot be contaminated by anything adhering to the outside of the bottles.

The arrangement of the small lid and the vertical pipe is such that a bottle may be withdrawn or inserted without much exposing the ice to the warm air of the apartment, and the drinking-water may be replenished without coming in contact with the bottles.

By revolving the bottle-receptacle any particular bottle may be reached without removing the cover.

I am aware that a device has been made in which the bottle-receptacles and tank are pivoted on a fixed or stationary standard, around which they revolve, and also that another device has been made in which a vertical feed-pipe is used for pumping the water into the

tank. My claim, however, relates to a different construction.

Having described my invention, I claim—

The combination, in a water-cooler, of the bottle-receptacles *h* and central ice-chamber, *d*, having a perforated bottom, and provided with the vertical pipe *f*, located so as to coincide with the opening in the cover closed by the lid *a*, a seat for the receptacles, and ice-chamber secured to the vertical revolving shaft C, which latter projects through the cover, and is provided on the end with the handle *c'*, as set forth.

LORENZ DOLLE.

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