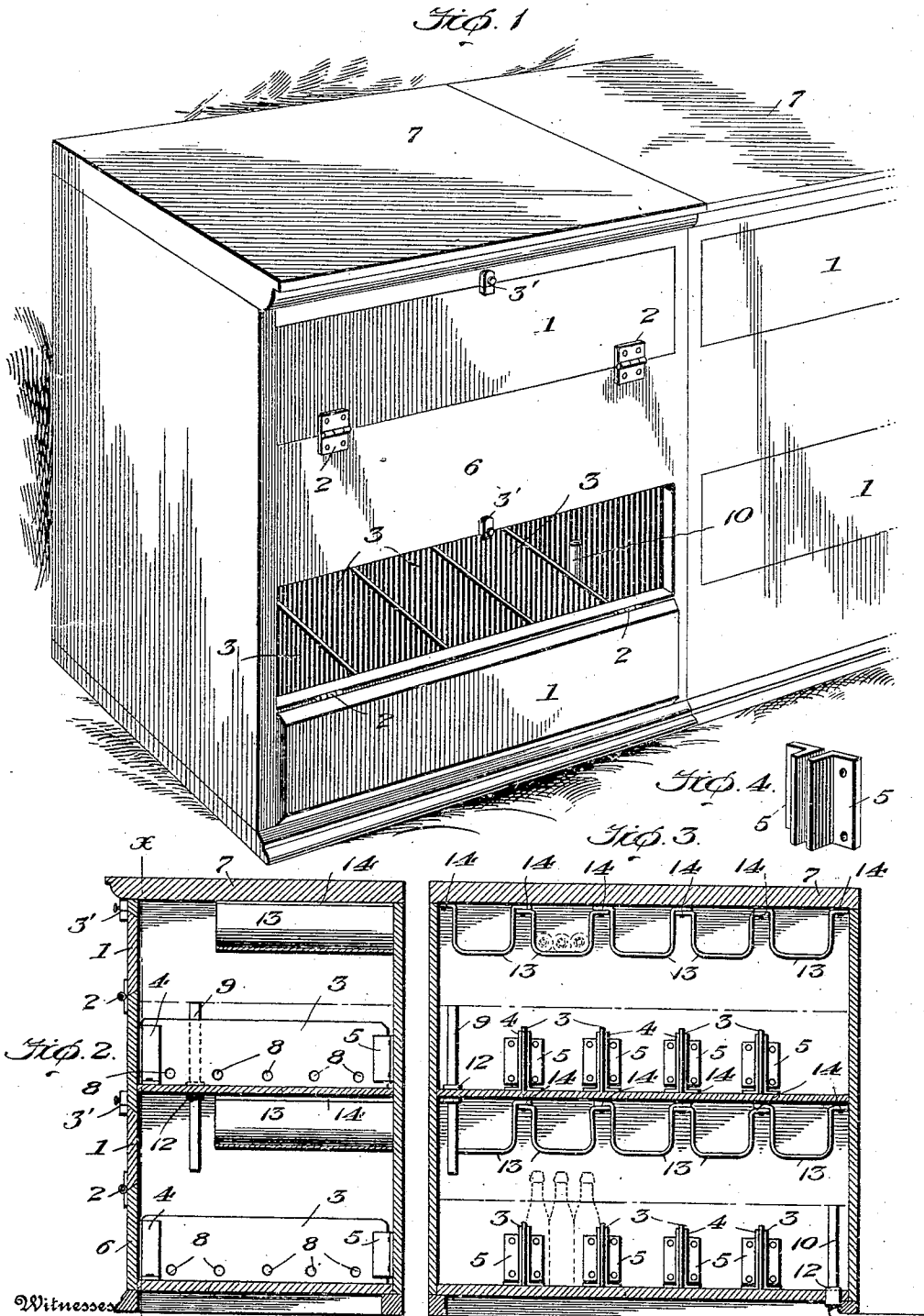


H. A. TOMPPERT.
BOTTLE COOLER.
APPLICATION FILED DEC. 30, 1908.

954,598.

Patented Apr. 12, 1910.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY A. TOMPERT, OF BIRMINGHAM, ALABAMA.

BOTTLE-COOLER.

954,598.

Specification of Letters Patent.

Patented Apr. 12, 1910.

Application filed December 30, 1908. Serial No. 469,985.

To all whom it may concern:

Be it known that I, HENRY A. TOMPERT, a citizen of the United States, residing at Birmingham, in the county of Jefferson and State of Alabama, have invented new and useful Improvements in Bottle-Coolers, of which the following is a specification.

My invention relates to an improvement in coolers for beer and similar bottled drinks, and has for its object to produce what I term a cabinet cooler which is constructed on the unit plan and is adapted to be used as a part of the fixtures for bars.

Among the more important objects of my invention are the provision of a plurality of separate ice chambers, each chamber being subdivided by partitions and provided with an overflow pipe by which the ice water flows from the upper to the lower chambers; also the provision of means for causing the ice water to flow transversely of the width of each chamber through circulation openings in or under the subdividing partitions.

These and other objects of my invention will more fully appear in the consideration of the following specification and appended claim in conjunction with the accompanying drawings, in which:—

Figure 1 is a view illustrating in perspective my improved cabinet cooling apparatus. Fig. 2 is a vertical transverse sectional view through one of the ice chambers. Fig. 3 is a vertical sectional view along the line $x-x$ of Fig. 2. Fig. 4 is a detail view of the rear guides for the partitions.

Similar reference numerals refer to similar parts throughout the drawings.

According to my invention I preferably form each cabinet section to comprise two superimposed chambers, to which access is gained through outwardly and downwardly swinging doors 1 mounted on hinges 2 and provided with suitable fastening devices 3'. Each chamber to which access is gained through one of the doors just described, is substantially a counterpart of the other chambers, with the exception of the arrangement of the overflow pipes, which will be later described, and it will be understood that, where desired, three or even more chambers may be superimposed in a cabinet unit. Each chamber is subdivided by vertical partitions 3, which are disposed from front to rear and are detachably mounted between guides 4 at the front of the chamber

and guides 5 at the rear of the chamber. These guides are formed of bent metal plates suitably bolted or secured to the bottom of the chamber in the case of the guides 4, and to the rear wall of the chamber in the case of the guides 5. The door 1 is hinged to the front wall 6 of the chamber and the lower edge of the door opening stands at a height of several inches above the partitions 3, or about nine inches from the bottom of the chamber. The depth of the chamber from the top wall 7 to the bottom is about eighteen inches and is sufficient to permit these partitions to be lifted vertically from between their guides and passed out through the doors. These partitions are each provided near the bottom thereof with a plurality of water circulation openings 8.

In practice each sub-compartment formed between a pair of partitions 3 or between the end partitions and the side walls, is calculated to receive two dozen bottles of beer, thus forming a series of separate cooling compartments in which the bottles belonging to one owner or set of owners may be kept separate and distinct from the bottles belonging to others, any suitable means being employed to designate the owners of the sub-compartments or the bottles themselves. I provide the upper cooling chamber at its left hand end with an overflow pipe 9 which stands about seven inches from the bottom thereof, which pipe discharges into the left hand sub-compartment of the lower cooling chamber. The bottles to be cooled have been placed in both chambers, crushed ice is packed around the same, and as the ice melts, the ice water will rise to the height of seven inches around the bottles and will gradually overflow from the upper chamber through pipe 9 to the lower chamber, whence it is drained off through an overflow pipe 10 that connects with the sewer. The pipe 10, standing at the right hand side of the lower chamber, the melted water will first circulate from right to left through the upper chamber and then overflowing into the lower chamber will circulate from left to right, in both cases flowing the width of both chambers before passing off to the sewer. The same principle may be carried out where three or more chambers are superimposed.

To facilitate the cleaning of the chambers, I make the overflow pipes in sections so that they may be unscrewed at the joint

12, which will give a drainage opening at the bottom of each chamber so disposed as to enable it to be washed and thoroughly cleaned. When the chamber is being washed the partitions 3 are removed.

As an additional means for holding the bottles belonging to individuals and which it may not be desired to set in ice water, I provide substantially U-shaped metallic receptacles 13, one over each sub-compartment, each receptacle having flanges 14, by means of which it is bolted or secured to the top of the chamber. The front end of these receptacles is preferably set back from the doors sufficiently to avoid interfering with the ready access to the bottles at the rear of the sub-compartments, and being disposed over the sub-compartments they will not interfere with the raising of the partitions to effect their removal from the chambers.

I consider ice water the most effective medium for chilling beer and bottled drinks, and therefore the provision in each chamber

of a subdivided ice water tank is one of the most important features of my invention.

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

A cooler of the class described comprising a casing having superposed compartments therein, substantially U-shaped receptacles fixed to and depending from the top walls of the compartments and being in spaced relation to each other, each receptacle having one end closed by the casing and the other end opening into the latter, guides disposed at the bottoms of the compartments, and removable partitions vertically supported by said guides.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HENRY A. TOMPERT.

Witnesses:

W. H. MOORE,

R. D. JOHNSTON, Jr.