(No Model.)

W. KEECH.

Bottle Cooler.

No. 241,142. Patented May 10, 1881.

Fig 2.

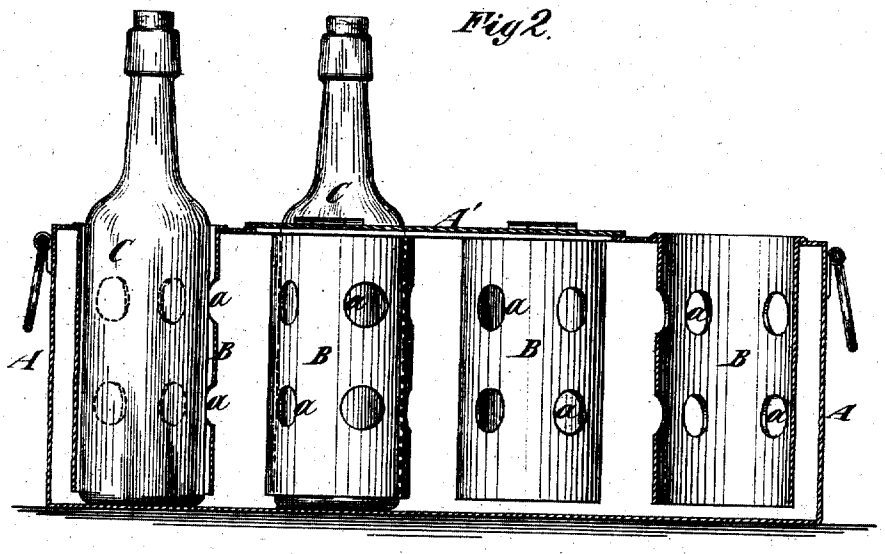
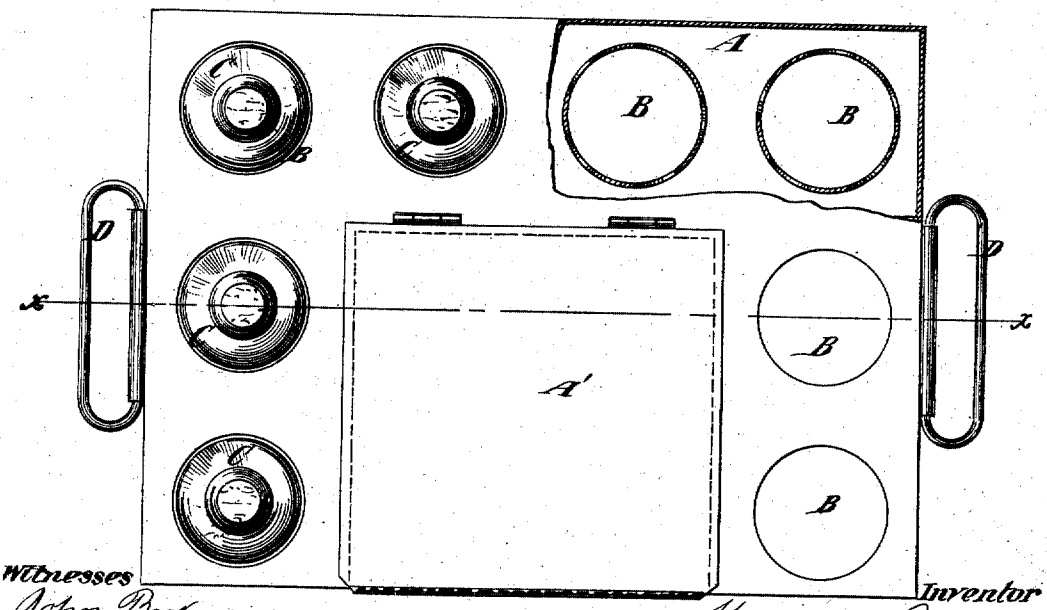


Fig 1.



Witnesses
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Fred'k Haynes

Inventor
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by his Attorneys
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UNITED STATES PATENT OFFICE.

WALTER KEECH, OF NEW YORK, N. Y., ASSIGNOR TO GEORGE R. WRIGHT, OF SAME PLACE.

BOTTLE-COOLER.

SPECIFICATION forming part of Letters Patent No. 241,142, dated May 10, 1881.

Application filed May 3, 1880. (No model.)

To all whom it may concern:

Be it known that I, WALTER KEECH, of the city of New York, in the county and State of New York, have invented certain new and useful Improvements in Bottle-Coolers, of which the following is a specification.

My invention relates to coolers which are employed to keep liquids in bottles at a low temperature for sale in restaurants and other places.

My invention consists in the combination, with a box or case for the reception of ice, supported upon its base, of a series of bottle-holding cells, each adapted to surround and protect a single bottle, and constructed so as to afford communication between the box or case and the interior of the cells, the said cells being contained entirely within the box or case and isolated from each other, so as to permit of the introduction of ice around and between them. The bottle-cells may be suspended from the top of the box or case and constructed with open lower ends raised slightly above the bottom of the box or case, so that the bottles project through them and rest upon the bottom of the box or case, and the said cells may also be perforated to afford free circulation of air and water around the bottles.

In the accompanying drawings, Figure 1 represents a plan, partly in section, of a cooler embodying my invention; and Fig. 2 represents a vertical section thereof upon the line *x x*, Fig. 1.

Similar letters of reference designate corresponding parts in both figures.

A designates the ice box or case, here represented as rectangular, though it might be of other form, and provided with a hinged cover, A′, for closing the opening through which the ice is introduced.

B designates tubular cells arranged within the box or case A, which may be of a size to hold any number of said cells, and which are each of a size to receive a bottle, C, which is inserted through the open top of the box or case. These cells may be of uniform size, as here represented, or they may be adapted to receive bottles of different sizes. The cells B are contained entirely within the box or case A, and are constructed so as to afford communication between their interiors and the box or case, so that the water from the melted ice or the cooled air may circulate freely around the bottles. As here represented, the tubular cells are suspended from the top of the box or case, and are open at their lower ends, which are raised slightly above the bottom of the box or case, so that the bottles may project through them and rest upon the bottom of the box or case, as clearly represented in Fig. 2, and to increase the circulation of the water and air around the bottles I preferably also construct the cells with holes or perforations *a* in their sides, as also shown clearly in Fig. 2. The cells are of such size and shape that each is adapted to surround and protect a single bottle, and it is obvious that as the cells are isolated entirely from each other ice may be introduced between and around them, so as to keep the liquid in the bottles at a very low temperature.

The cooler is preferably provided with handles D, by which it may be lifted, and the whole is constructed of copper, galvanized iron, or other plate or sheet metal.

It is obvious that as the cells are contained entirely within the ice box or case the contents of the bottles may be quickly cooled, and that the perforated cells having open lower ends and united at their upper ends to the top of the box or case provide for the free circulation of water and air around the bottle entirely to the lower end thereof, and at the same time prevent the water from swashing through the openings in the top when the box or case is suddenly tipped.

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

1. The combination, with a box or case for the reception of ice supported at its base, of a series of bottle-holding cells, each adapted to surround and protect a single bottle, and constructed so as to afford communication between the box or case and the interior of the cells, the said cells being contained entirely within the box or case and isolated from each other, so as to permit of the introduction of ice around and between them, substantially as specified.

2. The combination, with a box or case, A,

for the reception of ice, supported at its base, of a series of bottle-holding cells, B, each adapted to surround and protect a single bottle, C, suspended from the top of said box or case, and having open lower ends slightly raised above the bottom of the box or case, to afford communication between the cells and the box or case, so that bottles inserted in them may project through them and rest upon the bottom of the box or case, the said cells being contained entirely within the box or case and isolated from each other, so as to permit of the introduction of ice around and between them, and having in their sides holes or perforations *a*, all substantially as specified.

WALTER KEECH.

Witnesses:
E. P. JESSUP,
A. C. WEBB.

Correction of Letters Patent No. 241,142.

It is hereby certified that in Letters Patent No. 241,142, issued May 10, 1881, upon the application of Walter Keech, for an improvement in Bottle Coolers, the name of the assignee, wherever it appears in said Letters Patent and the printed specification forming a part thereof, was erroneously written and printed George R. Wright instead of George R. Wight; that the proper corrections have been made in the files and papers pertaining to the case in the Patent Office, and are hereby made in said Letters Patent, to make the title therein conform to the records of the Patent Office.

Signed, countersigned, and sealed this 17th day of May, A. D. 1881.

[SEAL.]

A. BELL,
Acting Secretary of the Interior.

Countersigned:

E. M. MARBLE,
Commissioner of Patents.