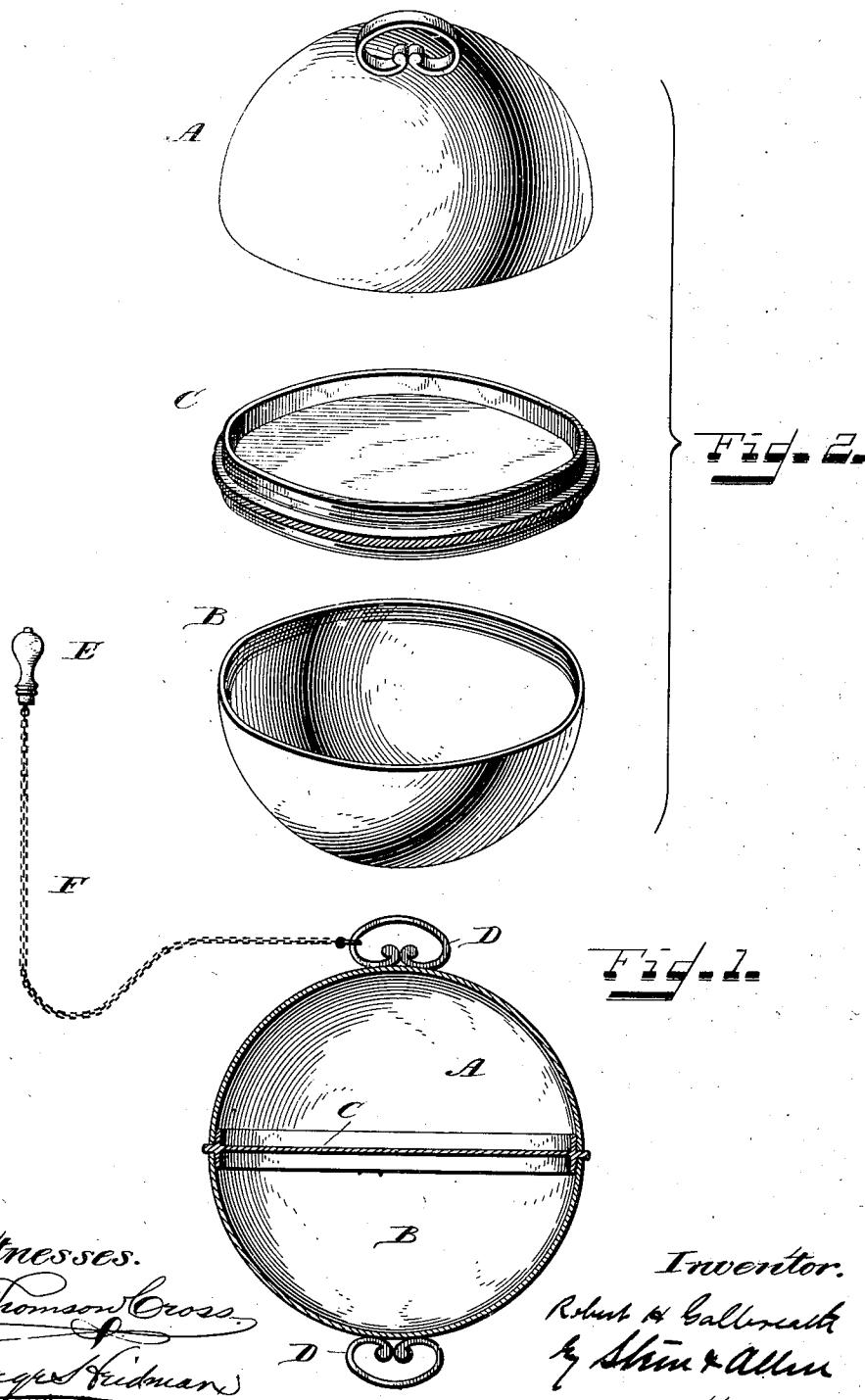


(No Model.)

R. H. GALBREATH.
ICE HOLDER.

No. 490,902.

Patented Jan. 31, 1893.



Witnesses.

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UNITED STATES PATENT OFFICE.

ROBERT H. GALBREATH, OF CINCINNATI, OHIO.

ICE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 490,902, dated January 31, 1893.

Application filed March 14, 1892. Serial No. 424,827. (No model.)

To all whom it may concern:

Be it known that I, ROBERT H. GALBREATH, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Ice-Holders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to an improvement in what I have termed an ice holder, which consists in a hollow ball or other shaped, package, made preferably in two parts fastened together with a tight joint to prevent leakage, and designed to contain crushed ice or any suitable cooling substance, and then be placed in a vessel containing any liquid which it is desired to cool.

In cooling water by simply placing ice in it, the melting ice often produces an impure water which pollutes the water which it is desired to cool. In cooling other liquids in that way, the water produced by melting ice, even if pure, dilutes the liquid. By mixing salt with the ice, it is caused to melt more rapidly and therefore more rapidly absorb heat from the surrounding substance, but salt would destroy the qualities of the liquid to be cooled, and cannot be put into it with the ice. It is therefore desirable to keep the ice or cooling substance, sufficiently separated from the liquid to be cooled, to prevent its diluting or polluting the same. I therefore provide a package to contain the cooling substance preferably of metal and whose walls are sufficiently thin to permit the ready absorption of heat through them. The parts of the package are closed together by a tight joint, to prevent leakage and when filled with the cooling mixture, the holder is immersed in the liquid which it rapidly cools.

In the accompanying drawings. Figure 1, is a vertical cross-section of my improved ice holder, made in spherical form. Fig. 2, is a perspective view of the upper and lower halves and the dividing partition.

In the drawings, I have shown this holder in the form of a sphere, as the one preferred,

because most easily made, but the form is not 50 essential, and it may be made in any desired shape.

A, is the upper and B the lower half or hemi-sphere; these two parts may be connected together directly by a screw thread, one fitting over the other, so as to make a tight joint, or by a flanged diaphragm or partition C. When so constructed, one half B for instance, is filled with crushed ice and salt or any cooling mixture, the partition C, tightly screwed 60 on, the other half A, being in turn filled, B, is turned upside down and screwed securely down. By the use of this partition, the package can be more easily and completely filled and the parts screwed together, without spill- 65 ing.

If the holder is made in some other form, egg shaped for instance, the joint may be made near the smaller end, the main body being filled with ice and the other part screwed on, 70 in which case the partition may be dispensed with.

The parts A and B are provided with handles D, and the holder if desired, may have a chain F attached to it with a little weight E 75 at the free end, so that when the holder is immersed in a vessel of liquid, the chain hangs over the edge and by it the ice holder may be readily removed from the vessel without dipping the hand into the contents. 80

The holder is specially designed to be made of silver, or some similar metal, which will resist the action of the liquid and will not effect its flavor, and it is made in ornamental shapes. 85

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

An ice holder, consisting of a tight vessel for holding a cooling mixture, whose parts are 90 screwed with a tight joint, to a partition arranged substantially as and for the purpose described.

ROBERT H. GALBREATH.

Witnesses:

ARTHUR STEM,
E. H. KLEMSCHMIDT.