J. G. GIMMY.

REFRIGERATING CAN.

No. 178,761. Patented June 13, 1876.

Fig. 1.

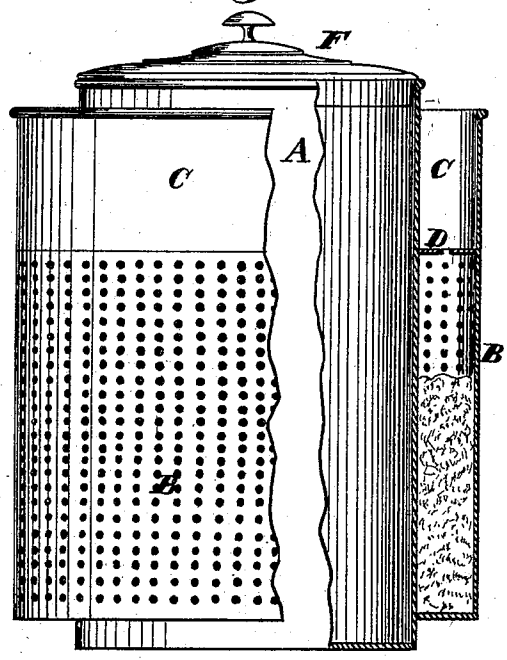
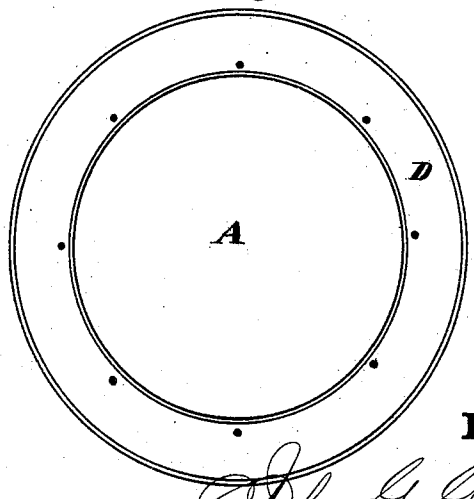


Fig. 2.



Witnesses

Geo. H. Strong.

John L. Byrne

Inventor

John G. Gimmy

by Dewey & Co

Attys

UNITED STATES PATENT OFFICE.

JOHN G. GIMMY, OF MONTICELLO, CALIFORNIA.

IMPROVEMENT IN REFRIGERATING-CANS.

Specification forming part of Letters Patent No. **178,761**, dated June 13, 1876; application filed February 29, 1876.

To all whom it may concern:

Be it known that I, JOHN G. GIMMY, of Monticello, Napa county, State of California, have invented an Improved Refrigerating Can or Vessel; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

The object of my invention is to provide a refrigerating can or vessel for containing various fluids, substances, or articles which it may be desired to preserve in a cool condition.

Referring to the accompanying drawings, Figure 1 is a side elevation. Fig. 2 is a top view.

A represents a can or vessel which I surround with an outer wall, so as to leave an annular space between the two walls. The lower part, B, of this outer wall is made of wire-cloth, or other equivalent perforated or skeleton frame, while the upper part C is made solid. A horizontal partition or bottom, D, separates the upper solid from the lower perforated wall, so as to provide an open-top channel or groove entirely around the can or vessel above the portion which is surrounded by the perforated wall. Through this partition or bottom D I make several small holes at different points, so that when the channel or groove is filled with water it will percolate slowly through them into the lower annular chamber, which is surrounded by the perforated wall. This lower annular chamber I fill with wool, cotton, or other fibrous material, which will absorb the drippings from the upper chamber. The inside can or vessel A will then be surrounded with a thickness or layer of saturated fibrous material, so that the evaporation of the moisture through the perforated or skeleton wall will reduce the temperature inside of the can or vessel A, in which the substance to be preserved or kept cool is contained.

The cover F and bottom of the can or vessel can also be constructed with a chamber, so as to contain saturated fibrous material, if desired; but in the present instance I have simply represented them as being made double, so as to provide a space which may be filled with charcoal or other non-conducting substance.

I thus provide a cheap portable refrigerating-vessel, which will be very convenient to the farmer and others who desire to preserve any substance in a cool condition.

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

The can A, in combination with the surrounding casing B, having its lower portion perforated, and the perforated diaphragm D, all constructed as and for the purpose set forth.

In witness whereof I hereunto set my hand.

JOHN GEORGE GIMMY.

Witnesses:
GEO. H. STRONG,
JNO. L. BOONE.