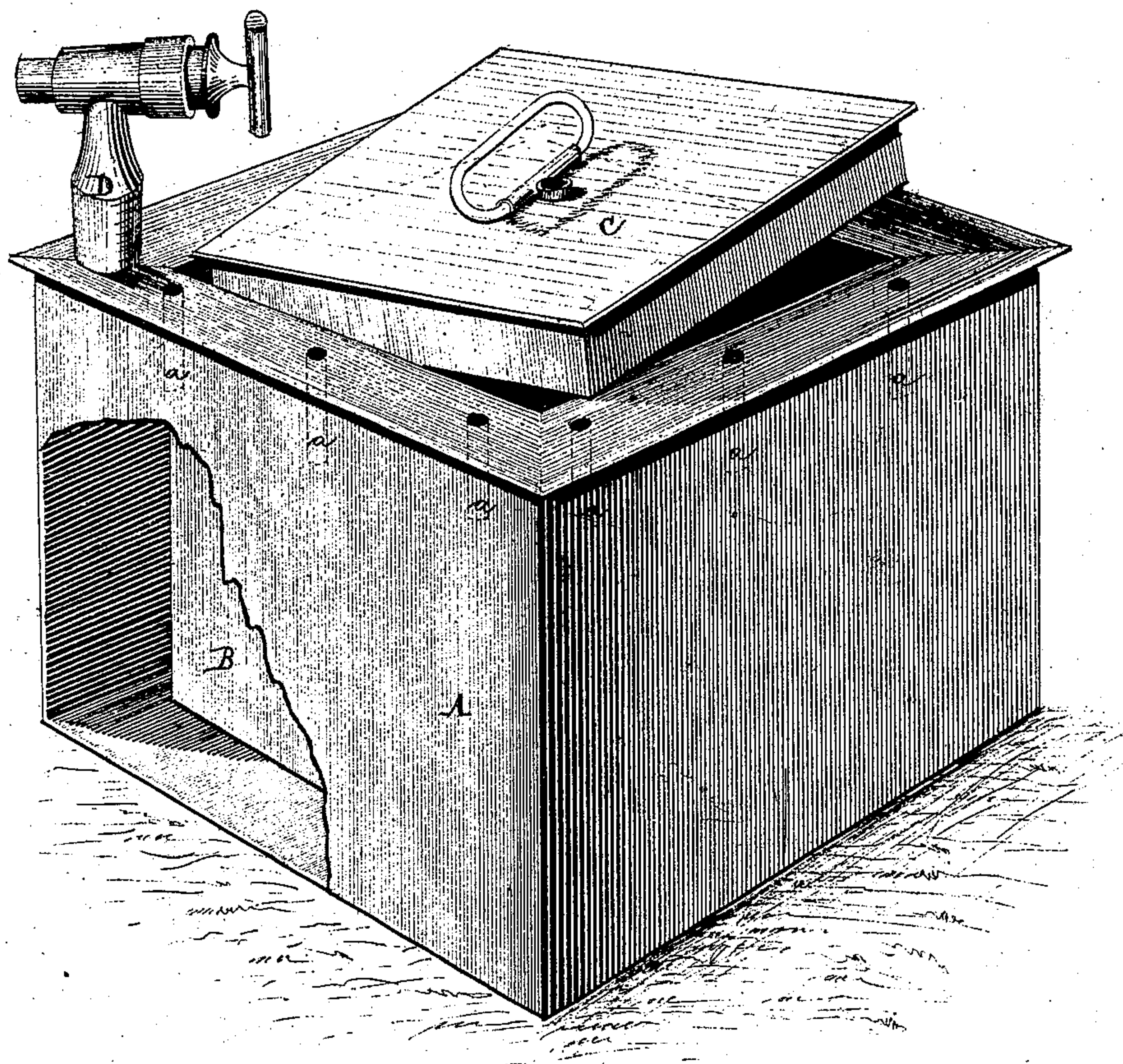


M. BURTON.

Refrigerator.

No. 95,562.

Patented Oct. 5, 1869.



Witnesses

A. H. Yeatman
J. Lehmann

Inventor

Morgan Burton
per Alexander Mason
Attys

United States Patent Office.

MORGAN BURTON, OF DARLINGTON, PENNSYLVANIA.

Letters Patent No. 95,562, dated October 5, 1869.

IMPROVED REFRIGERATOR.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, MORGAN BURTON, of Darlington, in the county of Beaver, and State of Pennsylvania, have invented certain new and useful Improvements in Combined Refrigerator, Water-Cooler, and Ice-Cream Freezer; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction of a refrigerator, which is formed of two vessels, one being placed inside of the other, and which has the intervening space between them partly filled with a saline mixture, which takes the place of ice.

The accompanying drawing represents a perspective of my invention.

Letter A represents a vessel, of any desired shape or size, and which may be constructed of wood, tin, iron, copper, or any suitable material.

Inside of this vessel there is placed a smaller one, B, of similar shape and construction, having a space left between them on every side, except the top, and which is provided with a double or hollow cover, c.

In this space I place a saline mixture, consisting of eleven (11) parts common salt, and one (1) part salt-petre, slightly moistened, or entirely dissolved in water, which takes the place of ice, and which freezes the articles placed in the inner chamber B, much more readily and quickly than the ice.

Through that part of the frame which covers the space between the two vessels, on top, there is a

number of openings made, so as to admit the air to the mixture, which is carried downward by small tubes *a*, shown by dotted lines, which may extend from two-thirds to three-fourths of the depth of the space, and which also serve to discharge the vitiated air and gas.

Over these openings there is placed a spigot, D, by means of which the quantity of air admitted by the tube can be regulated at will, and through which the mixture may be drawn off, when it is desirable to renew it.

For ice-cream, or any substance which may require a quick process of cooling, the inner vessel B should be round, so as to facilitate revolution.

In the top of the cover *c*, there is also an opening made, through which the saline mixture is introduced, so that it may be upon every side of the inner vessel B.

Having thus described my invention,

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

The combination of the vessels A B, with intervening space between, pipes *a a*, spigot D, and hollow cover C, all substantially as and for the purposes set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 17th day of July, 1869.

MORGAN BURTON.

Witnesses:

D. L. IMBRIE,

D. M. DONEHOO.