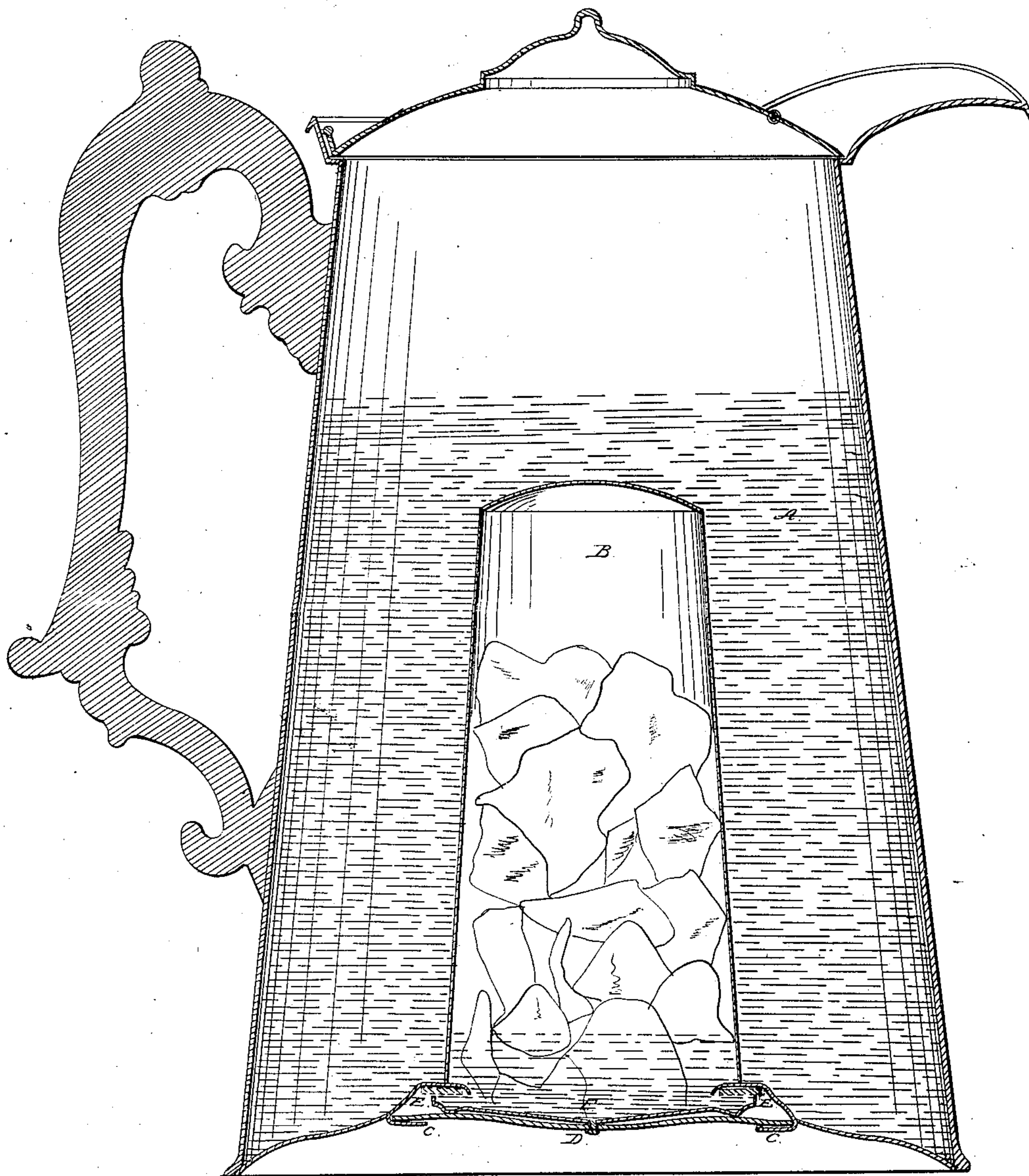


W. D. Ludlow,

Pitcher.

N^o 19,373.

Patented Feb. 16, 1858.



UNITED STATES PATENT OFFICE.

W. D. LUDLOW, OF NEW YORK, N. Y.

REFRIGERATOR.

Specification of Letters Patent No. 19,373, dated February 16, 1858.

To all whom it may concern:

Be it known that I, WILLIAM D. LUDLOW, of the city, county, and State of New York, have invented a new and useful Improvement in Water-Coolers and Refrigerators; and I hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawing, making part of this specification, which represents a vertical section of an ice-pitcher embodying my improvement.

My invention consists in a provision for the longer preservation of ice, which object is accomplished by hermetically sealing the ice chamber so as to prevent the passage of air or water into or out of it.

In the present illustration of my invention, A, represents the outer containing chamber for water &c.

B, is an inner chamber rising vertically from the floor of the former and employed to contain ice. The mouth of the chamber B, is hermetically closed by means of an annular india rubber gasket E, and a lid F, the latter being secured by a button or key D, pivoted to its center and engaging with lugs C, C.

Instead of water, the outside chamber may contain fruit, provisions or any other matter to be kept cool.

As applied to a water cooler this invention possesses the great advantage of pre-

venting any impurities in the ice from mingling with the water and rendering it also impure. In like manner milk, cream or any other article may be effectually cooled without weakening or adulteration from the melted ice. A cheap and inferior ice may be used for any of the above purposes.

It is also a great saver of ice. I have found that of two similar chambers, one containing ice being sealed up in the manner described and the other containing ice and water being not sealed but covered; the former contained a portion of unmelted ice thirty hours while the ice in the latter had entirely melted in nine hours, the difference being attributable to circulation of atmospheric air in the unsealed chamber, which was prevented in that which was sealed.

I claim as new and of my invention herein:—

The provision, substantially as described of a hermetically closed or sealed ice reservoir within or in connection with a vessel containing water or any other matter to be cooled or kept cool.

In testimony of which invention I hereunto set my hand.

W. D. LUDLOW.

Witnesses:

GEO. H. KNIGHT,
JOHN H. PIATT.