

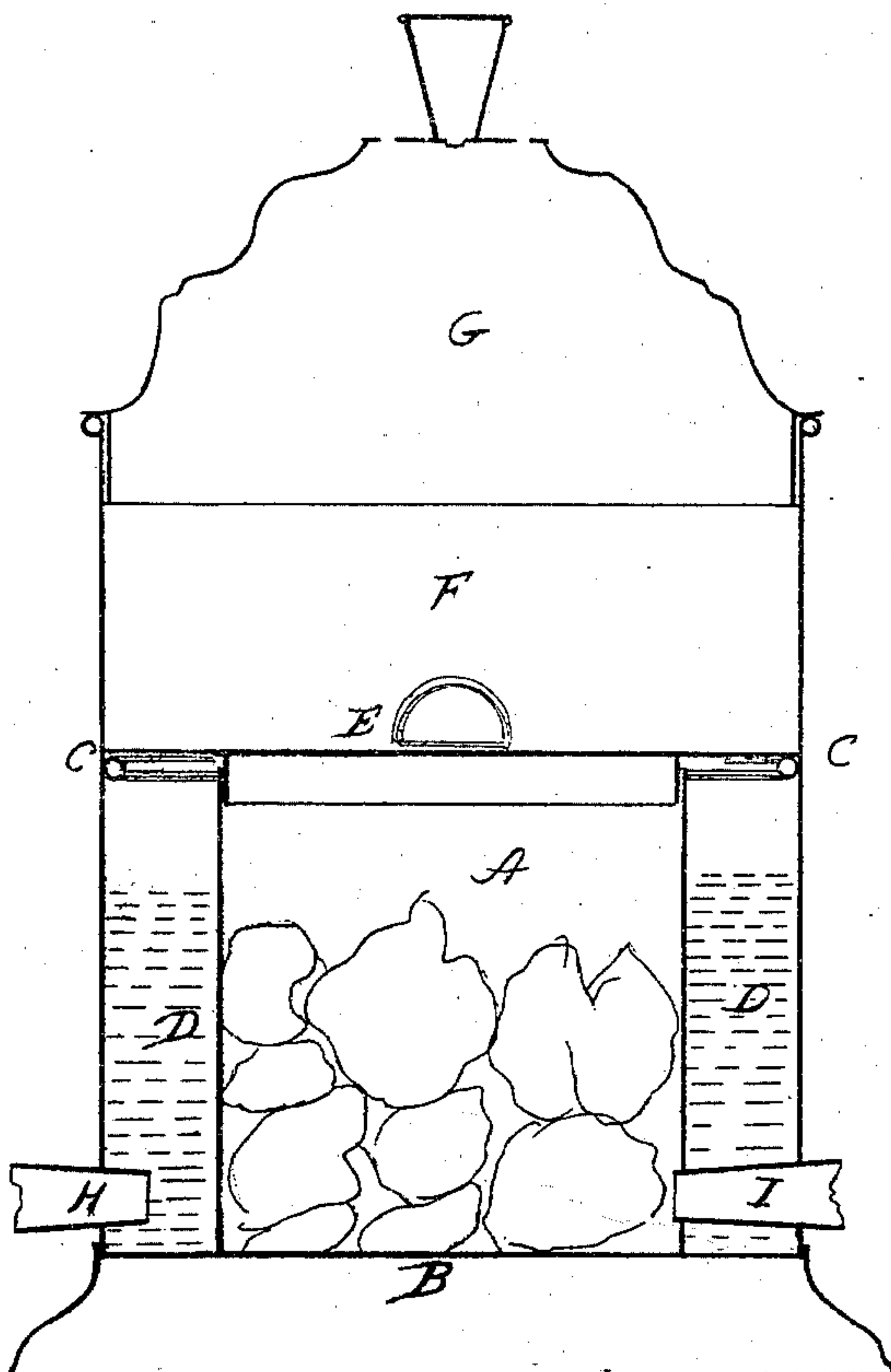
ALFRED MURDEN & HENRY L. COOPER'S WATER COOLER & REFRIGERATOR.

Assigned to Francis Warner & Selvet.

PATENTED

DEC 10 1867

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Witness
Wm. K. Shumway
A. J. Dobbins

Alfred Murden & Henry L. Cooper
Inventors
By their Attorney
Wm. E. Earle

UNITED STATES PATENT OFFICE.

ALFRED MURDEN AND HENRY L. COOPER, OF NEW HAVEN, CONNECTICUT,
ASSIGNORS TO THEMSELVES AND FRANCIS WARNER, OF SAME PLACE.

IMPROVED WATER-COOLER AND REFRIGERATOR.

Specification forming part of Letters Patent No. **71,899**, dated December 10, 1867.

To all whom it may concern:

Be it known that we, ALFRED MURDEN and HENRY L. COOPER, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Water-Coolers and Refrigerators; and we do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents a vertical central section.

This invention relates to the construction of a combined water-cooler and refrigerator; and it consists in the arrangement of a central ice-receptacle surrounded by a cylinder to form a water-space around the receptacle, which said water-space serves as the packing around the ice-receptacle, and the said outer cylinder extending above the ice-receptacle, and a cover arranged to close the ice-receptacle and space around the said cover, forming the bottom of a chamber or refrigerator above the ice, and the said chamber provided with a cover.

To enable others to construct our improvement, we will proceed to describe the same as illustrated in the accompanying drawing.

A is the ice-receptacle, which is of cylindrical form, resting upon the bottom B; C, the outer cylinder, of larger dimensions than the inner cylinder, A, so as to form a space, D, around the inner cylinder, A. The outer cylinder extends up above the inner cylinder, and the inner cylinder, A, and space D around it are closely covered by a cover, E, which said

cover E forms the bottom of a chamber, F, and the said chamber is completed by a cover, G, fitting closely into the cylinder C. A cock, H, communicates with the space D and a cock, I, with the inner cylinder.

The receptacle A is filled, or partially so, with ice and the space D with water; then the cover E placed thereon. The water in the space D serves as a packing for the preservation of the ice, while at the same time the ice reduces the temperature of the water to the desired coolness for drinking, the water in the space D being drawn through the cock H, and the water in the ice-receptacle is drawn out through the cock I.

The chamber F is used for the preservation of articles as a refrigerator, the ice in the receptacle serving to maintain a low degree of temperature in the chamber.

Having therefore thus fully described our invention, what we claim as new and useful, and desire to secure by Letters Patent, is—

The arrangement of the cylinder A and outer cylinder, C, so as to form a water-space, D, and combined with covers E and G so as to form a chamber, F, above the water-space D and ice-cylinder A, and so that the cover E forms the bottom of and the cover G the top of the said chamber, in the manner and for the purpose herein set forth.

ALFRED MURDEN.
HENRY L. COOPER.

Witnesses:

JOHN H. SHUMWAY,
A. J. TIBBITS.