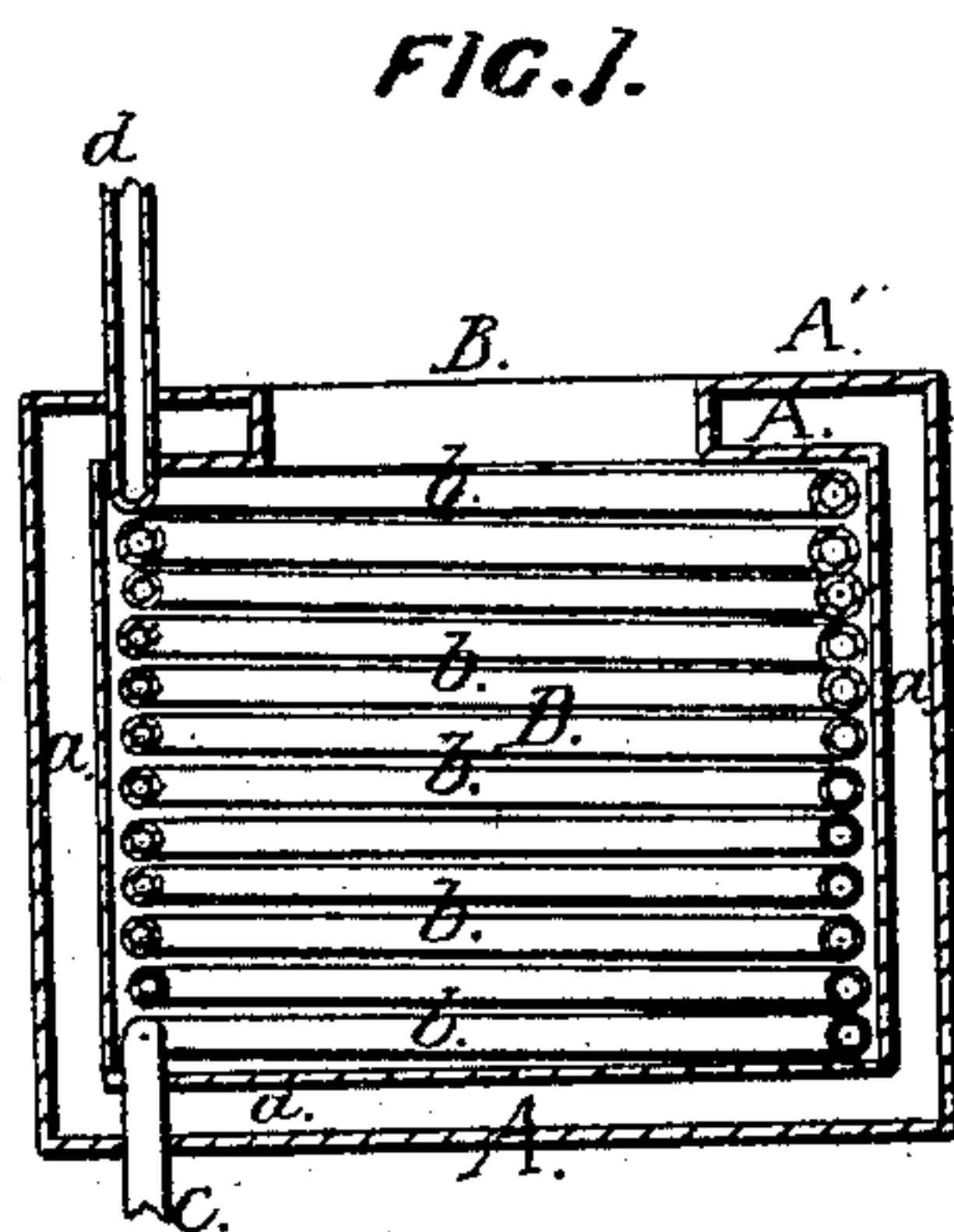
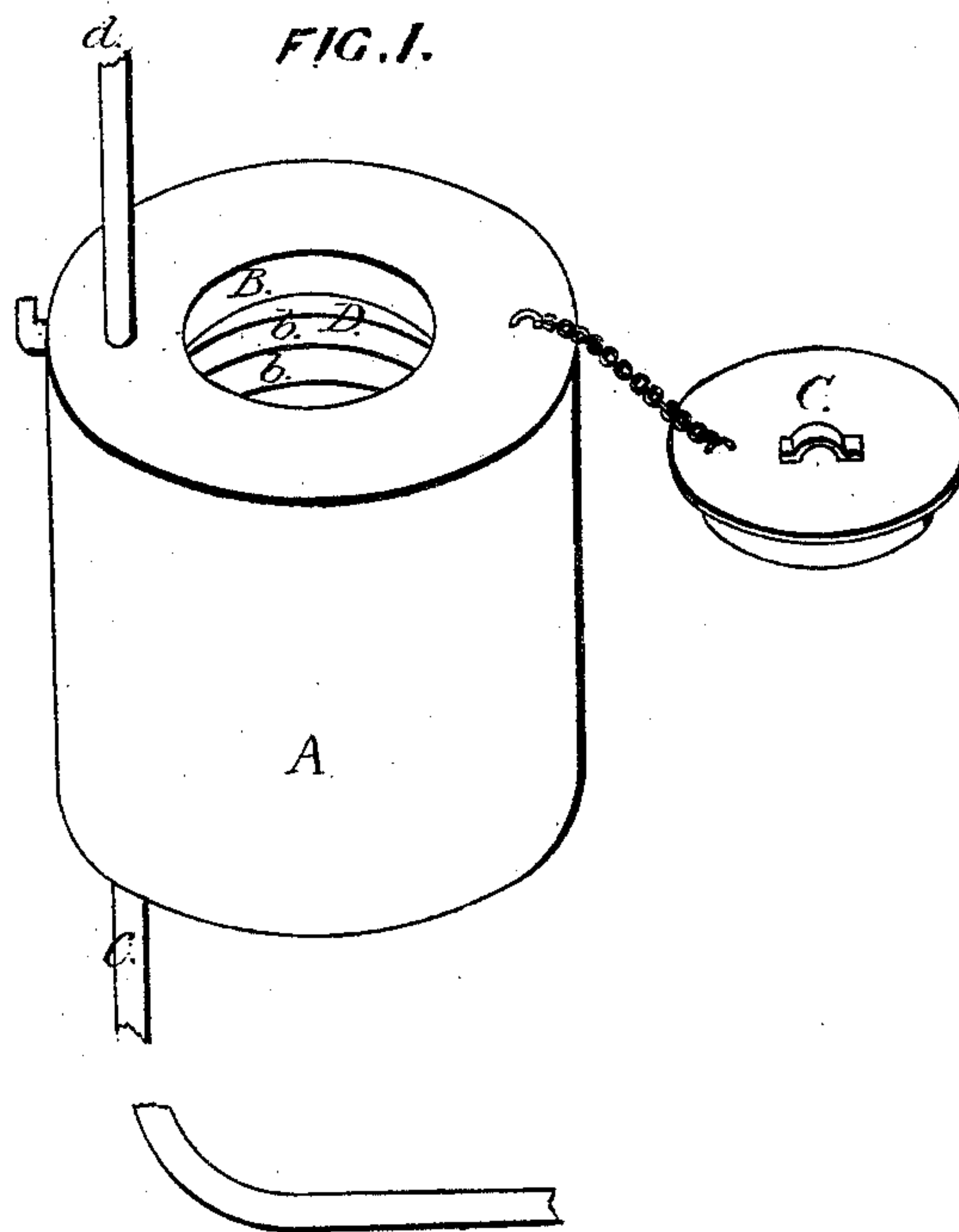


R. Hennege,

Water Cooler.

No. 90,360.

Patented May 25, 1869.



Witnesses:

J. R. Drake
W. J. Chamberlain

Inventor:

Robert Hennege
J. Fraser & Co.
attys.

United States Patent Office.

ROBERT HENEAGE, OF BUFFALO, NEW YORK, ASSIGNOR TO HIMSELF AND J. R. DRAKE, OF SAME PLACE.

Letters Patent No. 90,360, dated May 25, 1869.

IMPROVEMENT IN ICE-PRESERVERS AND WATER-COOLERS.

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, ROBERT HENEAGE, of Buffalo, in the county of Erie, and State of New York, have invented certain new and useful Improvements in Water-Pipe Coolers; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification.

Figure 1 is a perspective view of box containing coiled pipe, and showing the connections.

Figure 2 is a vertical cross-section of the same.

Like letters of reference indicate corresponding parts in all the figures.

The object of my invention is to cool water in the pipe, in its passage from the street-pipes to its education-point, or faucet, by the same means which preserves the ice for other uses, and consists in making the supply, or service-pipe of the water-faucet form the surrounding wall of an ice-chamber, said pipe being closely coiled for the purpose, and enclosed within a non-conducting vessel, having a chamber within the coil, for the storage and preservation of the ice, as hereinafter set forth.

In the drawings—

A A represent the outer casing, consisting of a wooden or metal double-walled box, having an air-space, *a a*, between.

B is the opening to the box, through which the ice is inserted and access had thereto, and

C, the cover to the same.

b b b represents the water-pipe coiled around and inside the box A, having a space, D, in which to place the ice.

e is the lower, and *d* the upper end of the service-pipe, *c* leading to the street, or supply-pipe, and *d* leading to the faucet.

The operation is simple. For example, a coil so constructed will contain from fifty (50) to one hundred and fifty (150) feet of water-pipe, enclosed as above

described, in close and compact form, which will present a large cooling-surface to the ice.

By this arrangement, a large amount of water can be made ice-cold without any other means, and a great saving of ice effected.

It makes the family ice-chest serve to keep the supply of water constantly refrigerated, saving the waste which usually occurs, by the gradual melting of the ice, as in this case its coldness is immediately utilized, and obviating the trouble and loss arising from breaking it up, to cool the water after it is drawn.

Even in places where water is kept running nearly all the time, I claim that my pipe will perfectly accomplish its object, as the time it takes in going through this length of coil is sufficient to entirely cool it. Of course, a greater length of pipe would materially aid this cooling-operation.

This box with enclosed pipe can be placed in a cellar, in a closet above the cellar, or close to the place where the water is drawn. In a saloon, it can be placed under the counter, if required, and may stand in any desired position, having elbows to connect with the end of the other pipes.

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

As a cooler for water supplied to a faucet, an ice-holder, the walls of which consist of a closely-laid coil of the supplying-pipe, when the whole is enclosed within the double-walled vessel A, having the air-spaces *a*, and provided with the cover C, whereby the apparatus serves the purposes both of an ice-preserver and a refrigerator of the water supplied, substantially as set forth.

In witness whereof, I have hereunto signed my name, in the presence of two subscribing witnesses.

ROBT. HENEAGE.

Witnesses:

J. R. DRAKE,

ALBERT HAIGHT.