

D. HOWARTH.

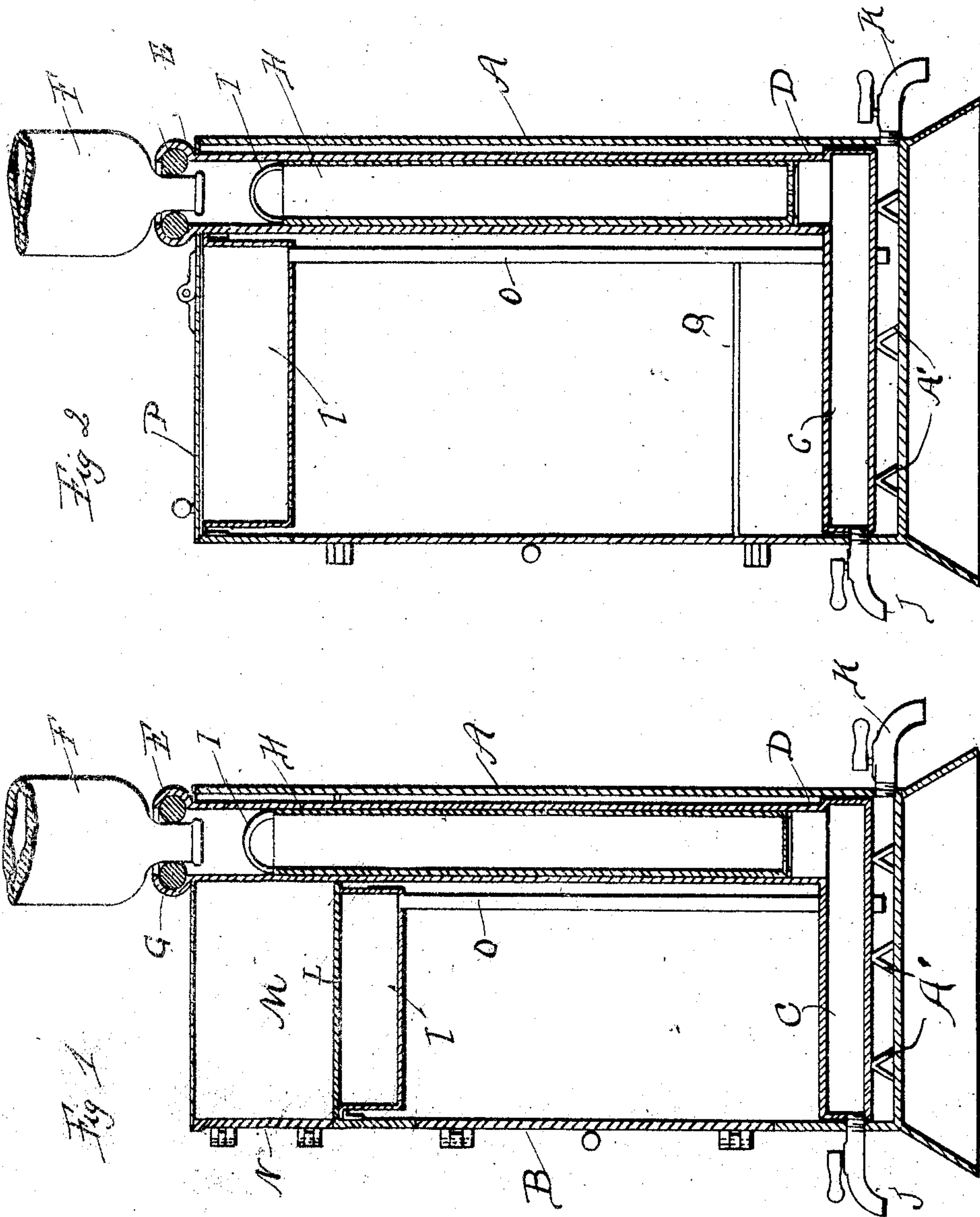
WATER COOLER.

APPLICATION FILED JULY 28, 1906.

907,052.

Patented Dec. 15, 1908.

2 SHEETS—SHEET 1.



WITNESSES:

Francis A. Peacock  
J. Williamson

INVENTOR

Dennis Howarth

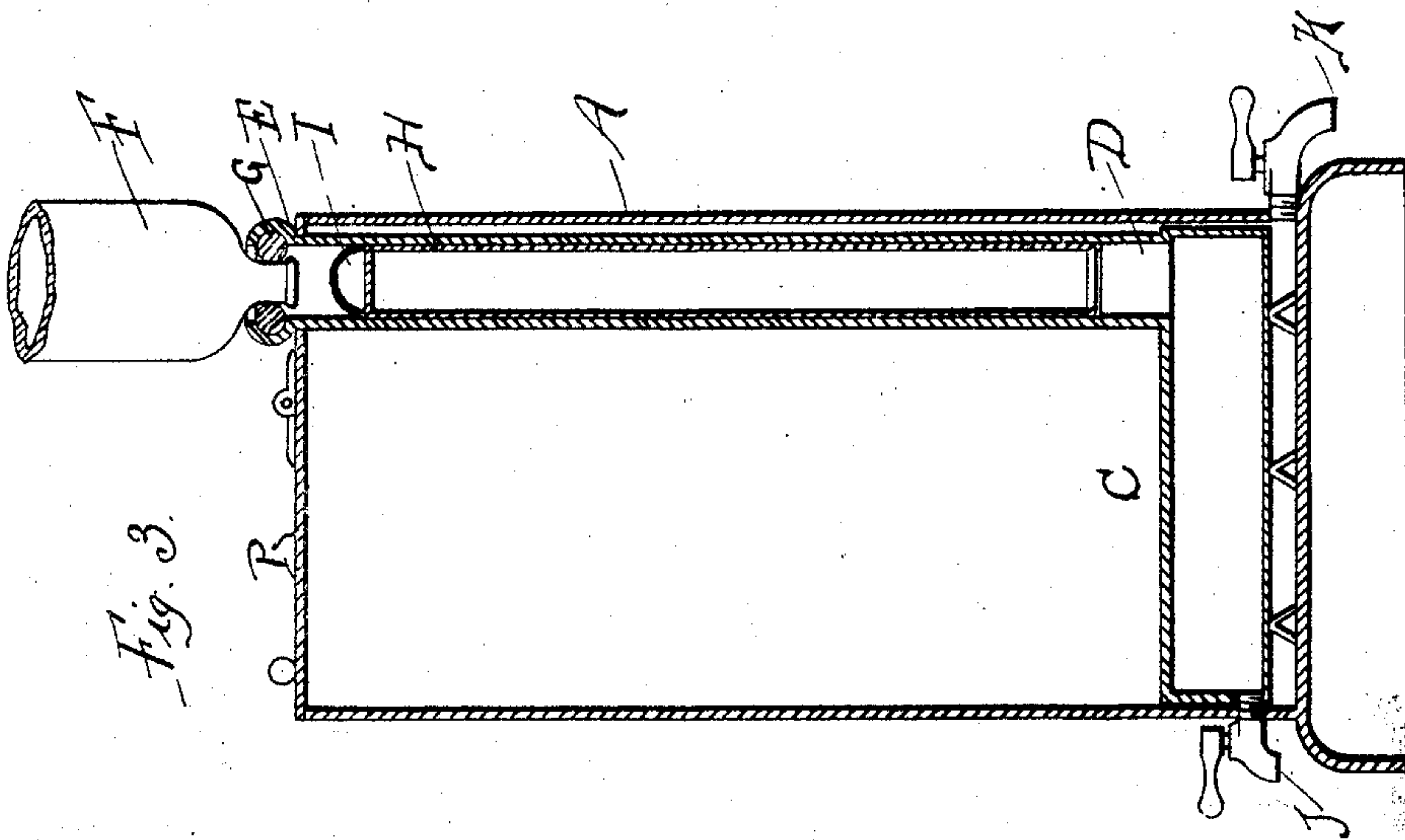
BY

W. P. Williamson  
ATTORNEY

WATER COOLER.

907,052.

2 SHEETS—SHEET 2.



Francis A Peacock  
J Williamson

INVENTOR  
*Dennis Howarth*

BY  
*W. Preston Williamson* ATTORNEY



# UNITED STATES PATENT OFFICE.

DENNIS HOWARTH, OF CHESTER, PENNSYLVANIA.

## WATER-COOLER.

No. 907,052.

Specification of Letters Patent.

Patented Dec. 15, 1908.

Application filed July 28, 1906. Serial No. 328,149.

*To all whom it may concern:*

Be it known that I, DENNIS HOWARTH, a citizen of the United States, residing at Chester, in the county of Delaware and State of Pennsylvania, have invented a certain new and useful Improvement in Water-Coolers, of which the following is a specification.

My invention relates to a new and useful improvement in water coolers or heaters and filters, and has for its object to so construct a water cooler or heater so as to provide a space for the ice and a separate reservoir for drinking water and a filter through which this drinking water must pass before reaching the reservoir, and also to provide means for drawing off the drippings from the ice when occasion requires.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a vertical section of a cooler made in accordance with my improvement. Fig. 2, a similar view showing a slight modification in which the upper ice receptacle is omitted. Fig. 3, a similar view of a still further modification in which the side door, upper ice receptacle and upper cooling box is omitted.

In carrying out my invention as embodied in Fig. 1, A represents the casing having a door B arranged thereto to close an opening in the side of the casing through which various articles may be placed within the casing for cooling purposes.

C represents the filtered water reservoir which has connected therewith the supply pipe D, the latter terminating at the top in a socket E in which the neck of a bottle F may be inserted, and this socket is preferably provided with an elastic or compressible washer G to facilitate the insertion of the neck of the bottle and also to prevent leakage at this point. Socket E, is semi-circular in cross section and receives washer G which latter is circular in cross section so that washer G may support the neck of the bottle at points away from the top of socket E. Reservoir

C, is supported above the bottom of casing A, by means of inverted V-shaped supports A', to provide space in which the end of a faucet K is received.

H represents a filter tube in which any suitable filtering material may be placed, and this tube is readily inserted within the supply pipe D so that the drinking water supplied from the bottle F must first pass through this filtering material before reaching the reservoir C, and in so doing it will be purified. The filter tube H may be provided with a bail I by which it may be readily withdrawn from the pipe D.

J is a faucet for withdrawing the filtered water from the reservoir, and I also provide a faucet K for drawing off the drippings from the ice when occasion requires, but in practice I prefer to let these drippings accumulate in the bottom of the casing until the level thereof is above the top of the reservoir C, as these drippings will be of low temperature coming from the ice and will more readily absorb the heat from the reservoir than would the cold air.

L represents an ice receptacle arranged near the top of the casing for holding the ice used in cooling the apparatus, and above this ice receptacle is a space M of sufficient size to receive various articles to be kept cool, and the door N is provided for access to this space. Access to ice receptacle L, is had by removing the top L', thereof.

O is a drain pipe leading from the ice receptacle to the lower portion of the casing so as to drain off the drippings from the ice.

In Fig. 2 I have shown a slightly modified form of my invention in which the space M is omitted, the ice receptacle L being closed by the lip P hinged to the top of the casing, and any suitable number of racks Q may be located within the casing below the ice receptacle for holding articles to be cooled.

In Fig. 3 I have shown a further slight modification of my invention in which the door B is omitted as well as the ice receptacle L and spaces M, and in this construction the ice is placed directly in the casing resting upon the reservoir C.

It is obvious that instead of arranging the socket E for the reception of a bottle from which to draw the water to be filtered, a suitable coupling may be provided at this point by which the service pipes of a building may be attached directly to the supply pipe D, and



it is also obvious that other slight modifications may be made without departing from the spirit of my invention.

Having thus fully described my invention,  
5 what I claim as new and useful, is—

10 A water cooler consisting of a casing, a water reservoir consisting of a horizontal part spaced from the bottom of said casing, inverted V-shaped supports seating on the casing bottom and engaging said part, a vertical supply pipe connected to the rear of said horizontal part and having its top end formed with a socket, semi-circular in cross section which extends to the exterior of the top of the casing, a compressible washer circular in cross section seating in said socket and pro-

jecting on the socket interior to support a bottle neck at points spaced from the top of said socket, a faucet extending through the casing and into said horizontal part of the reservoir and a second faucet extending through the casing and into said space between the horizontal part of the reservoir and the casing bottom. 20

In testimony whereof, I have hereunto affixed my signature in the presence of two subscribing witnesses. 25

DENNIS HOWARTH.

Witnesses:

WALTER Q. ARNOLD,  
JAS. C. BAKER.