H. W. WEAVER,

WATER COOLER.

APPLICATION FILED OCT. 6, 1917.

**1,325,427.** Patented Dec. 16, 1919.

Fig. 1.

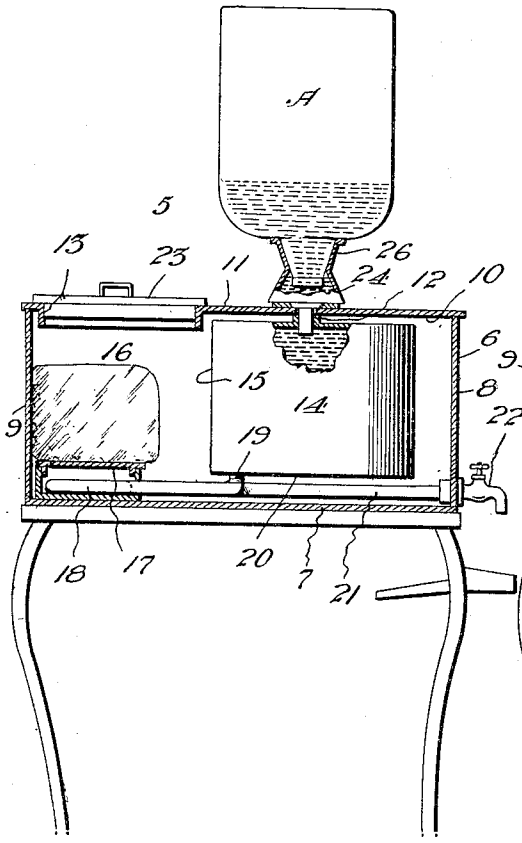



Fig. 2.

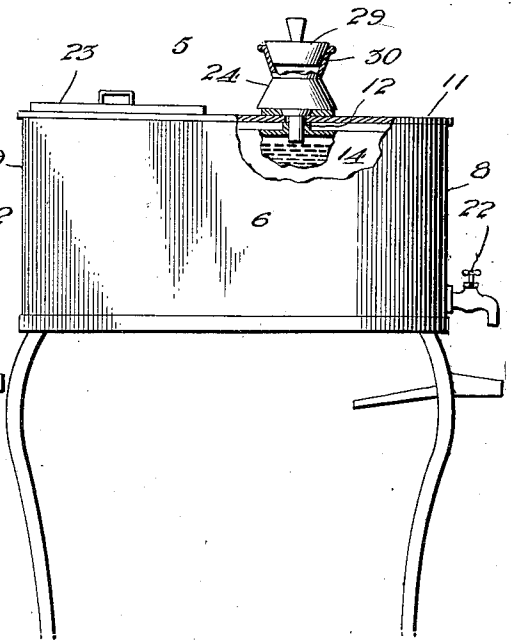
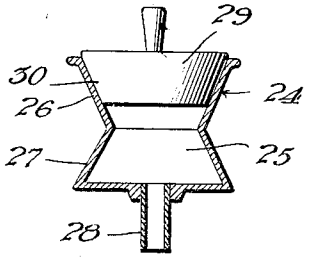



Fig. 3.




Witness

Paul M. Hunt

J. Bonnefield

Inventor

H. W. Weaver

By Victor J. Evans

Attorney

# UNITED STATES PATENT OFFICE.

HENRY W. WEAVER, OF BELLEVIEW, FLORIDA.

## WATER-COOLER.

1,325,427. Specification of Letters Patent. Patented Dec. 16, 1919.

Application filed October 6, 1917. Serial No. 195,178.

*To all whom it may concern:*

Be it known that I, HENRY W. WEAVER, a citizen of the United States, residing at Belleview, in the county of Marion and State of Florida, have invented new and useful Improvements in Water-Coolers, of which the following is a specification.

This invention comprehends improvements in water coolers, and more particularly to that type wherein the water is discharged into a cooling receptacle from an inverted bottle.

With the above and other objects in view, the invention consists in the novel features, details of construction and combination of parts which will hereinafter be more fully set forth, illustrated in the accompanying drawing and pointed out in the appended claim.

In the drawing:

Figure 1 is a longitudinal sectional view of the cooler constructed in accordance with the invention;

Fig. 2 is a view similar to Fig. 1 illustrating the cooler used without the inverted bottle; and

Fig. 3 is a detail sectional view of the combined funnel and stopper.

Referring more particularly to the accompanying drawings, in which like characters of reference refer to corresponding parts in the several views, the cooler generally is denoted by the character 5 including a substantially rectangular metallic tank 6 including a closed bottom wall 7, a front wall 8 a rear end wall 9 and an open upper end 10. The open upper end 10 of the tank is closed through the medium of a closure 11 provided at a point adjacent the forward end of the tank with a circular inlet opening 12, while at a point adjacent the rear end wall 9 of the tank is provided within this closure an enlarged substantially rectangular opening 13. Disposed within the tank at a point directly below the inlet opening 12 of the closure, is a water receptacle 14 of substantially semi-elliptical form, defining between the flat confronting end 15 of the receptacle and the rear wall 9 an ice compartment 16 in which a quantity of ice, as illustrated, is placed and reposed upon the container 17 located upon the bottom wall 7 of the tank and rearwardly of the water receptacle 14. In this container 17 is placed a flat horizontally disposed coil 18 having one end 19 thereof threadedly connected in the bottom wall 20 of the water receptacle, while the opposite end 21 of the coil is extended in spaced parallelism with the first mentioned end, and at a point below the water receptacle 14 with the free terminal thereof projected through the front wall 6 of the tank and to which is suitably connected a faucet 22. After the ice compartment is properly packed or filled with ice, the rectangular opening 13 of the closure is closed by a plate 23.

One of the salient features of the invention is the provision of a cooler of the above stated character which may be used with an inverted bottle. In carrying out this object, use is made of a combined funnel and tank sealing device 24 here shown as comprising a hollow member 25 formed with a flared upper end 26 and a flared lower end 27, and formed on the bottom of the member 23 is a circular projection 28 which fits down within the inlet 12 of the cover.

In use of the member 24 as a funnel, the neck of the bottle A, upon inverting the bottle, is received by the extremity 26 of the member and the water from the bottle will be discharged within the water receptacle 15, as is obvious. If it is desired to use the cooler without the employment of the bottle A, the latter is removed, and a sealing plug 29 is inserted within the flared upper end 26 of the member 24, with the tapered body portion 30 thereof frictionally engaging with the walls of the flared upper end, consequently establishing a seal-tight connection between the member 23 and the tank 6.

Obviously, by positioning the coil 18 wholly within the tank 6 and exteriorly of the water receptacle 15, the water as it flows from the receptacle 15 passes through the discharge pipe to be cooled prior to its being discharged from the spigot 22.

From the foregoing description, taken in connection with the accompanying drawing, the advantages of construction and the method of operation will be readily apparent to those skilled in the art to which the invention relates, and while I have described the principles of operation of the invention, together with the device which I now consider to be the best embodiment thereof, I desire to have it understood that the device shown is merely illustrative and

that such changes may be made when desired as are within the scope of the appended claim.

What is claimed as new is:—

In a water cooler, the combination with an ice receiving tank, a water container within said tank, an inverted bottle constituting a reservoir, and a discharge pipe leading from said water container through one wall of the tank, of a combined funnel and bottle support comprising reversely disposed funnel shaped members connected together, one of said members being open at the top to receive the neck of the bottle, the other of said members having an end wall reposing upon the tank, and a hollow tubular extension depending from said wall and establishing communication between the reservoir and said water container.

In testimony whereof I affix my signature.

HENRY W. WEAVER.