May 5, 1931. E. JONES 1,803,393

WATER COOLER

Filed April 17, 1928

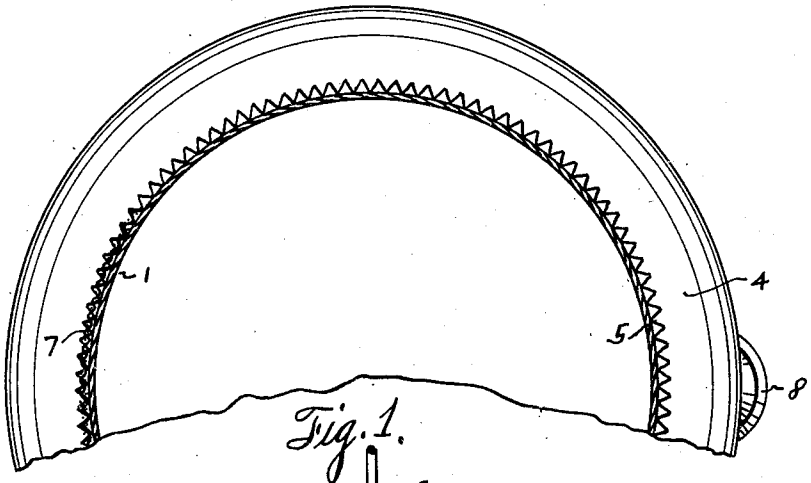


Fig. 1.

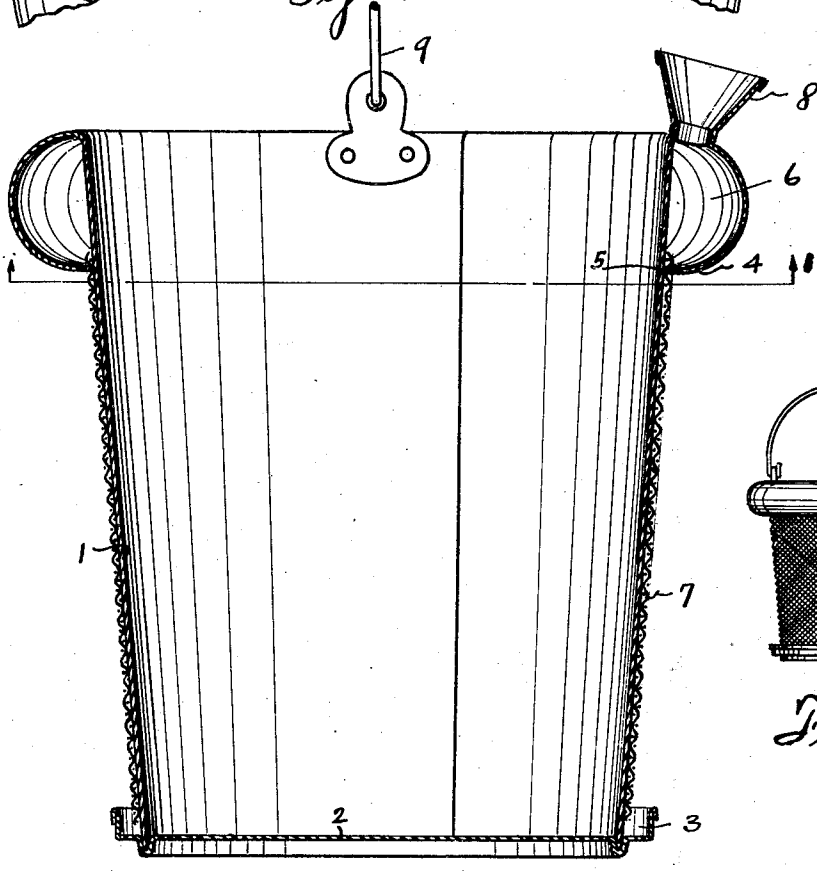


Fig. 2.

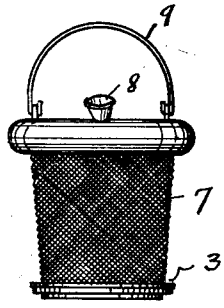


Fig. 3.

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UNITED STATES PATENT OFFICE

EUNICE JONES, OF MELON, TEXAS

WATER COOLER

Application filed April 17, 1928. Serial No. 270,742.

This invention relates to new and useful improvements in a water cooler.

One object of the invention is to provide a device of the character described specially designed to contain water, or other fluid to be cooled, and whereby the contents may be kept comparatively cool by the process of evaporation.

Another object of the invention is to provide a fluid container having a surrounding fabric and means whereby said fabric may be kept saturated with water by the evaporation of which the contents of the container are kept comparatively cool.

With the above and other objects in view this invention has particular relation to certain novel features of construction, operation and arrangement of parts an example of which is given in this specification and illustrated in the accompanying drawings, wherein:—

Figure 1 shows a transverse sectional view of the device taken on the line 1—1 of Figure 2.

Figure 2 shows a vertical sectional view thereof, and

Figure 3 shows a side elevation of the complete cooler.

Referring now more particularly to the drawings, wherein like numerals of reference designate similar parts in each of the figures the numeral 1 designates a container, preferably formed of sheet metal and of bucket like form.

The bottom 2 of the container is extended out beyond the container walls and its margin is upturned forming an annular receptacle 3. The upper edge of the container walls is outwardly and downwardly turned and spaced from the container proper, and the free margin 4 of said downwardly turned portion is inwardly turned and serrated, forming teeth, as 5. A chamber 6 is thus provided around the outside of the upper end of the container 1, which is substantially semicircular in cross section.

Beneath the chamber 6 the container 1 is surrounded by a fabric 7 whose upper margin is clamped between the walls of the container and the inwardly turned margin 4, and is engaged by the teeth 5.

The lower margin of the fabric 7 extends down into the receptacle 3. The chamber 6 may be filled with water through the funnel 8, which is preferably formed integral with, or is soldered to, the upper wall of said chamber. The spaces between the teeth 5 should be made very small, and they are practically closed by the fabric 7 so that the water in the chamber 6 will slowly trickle through and will keep the fabric 7 completely saturated and the evaporation will keep the contents of the container cool. A suspending bail 9 has its ends fastened to the inside of the top of the container 1.

Water may be supplied, at intervals, to the chamber 6, or water may be constantly supplied thereto by making provision for slowly dripping water into the funnel 8.

If the water should become exhausted from the chamber, 6, the water which may have collected in the receptacle 3 will be gradually drawn, by capillary attraction, back up into the fabric 7, as the water evaporates therefrom, to prolong the cooling effect of the cooler.

While I have shown what I now consider the preferred form of the invention it is obvious that mechanical changes may be made therein and I reserve the right to make such structural changes as may be found desirable and such as do not depart from the principle of the invention as comprehended within the scope of the appended claims.

What I claim is:—

1. The combination with a sheet metal container, the upper edge of whose walls is outwardly and downwardly turned and spaced from the container proper and the free margin of said downwardly turned portion being inwardly turned and provided with teeth, thus providing a chamber around the outside of the upper end of the container, a fabric envelope around the container whose upper margin is clamped between the walls of the container and said inwardly turned margin and is engaged by said teeth.

2. The combination with a sheet metal container, the upper edge of whose walls is out-

wardly and downwardly turned and spaced from the container proper and the free margin of said downwardly turned portion being inwardly turned and provided with teeth, thus providing a chamber around the outside of the upper end of the container, a fabric envelope around the container whose upper margin is clamped between the walls of the container and the said inwardly turned margin and is engaged by said teeth, and a receptacle around the container beneath said fabric envelope.

In testimony whereof I have signed my name to this specification.

EUNICE JONES.