Dec. 15, 1925. 1,566,176

J. WEBER

WATERER

Filed Dec. 27, 1924

Fig. 1.

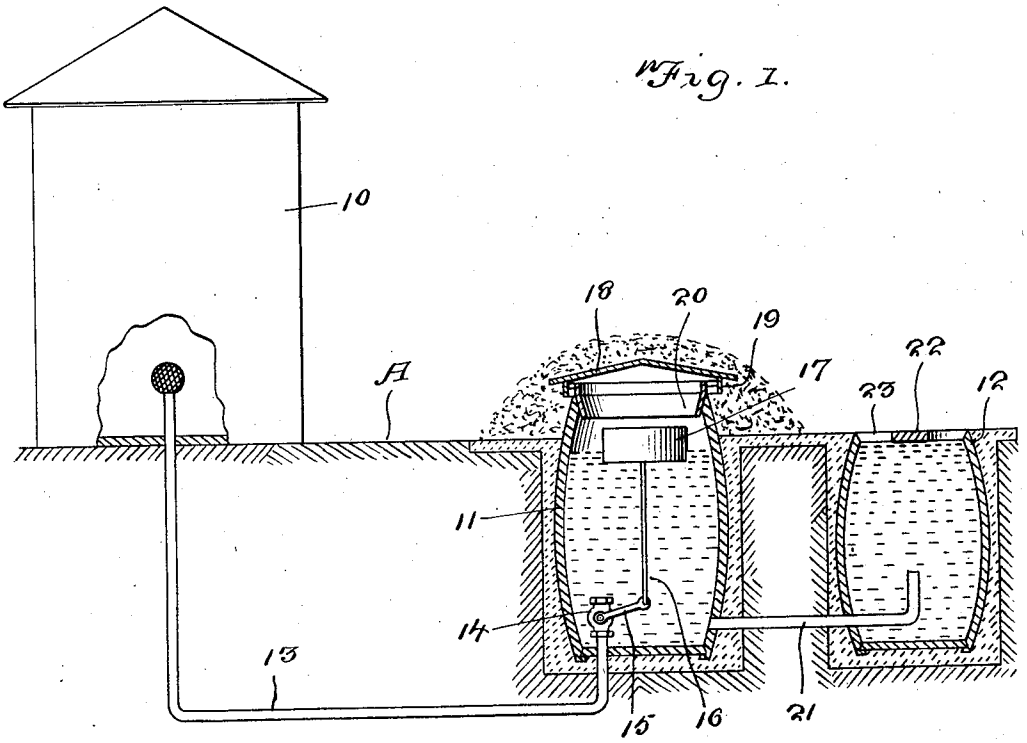


Fig. 2.

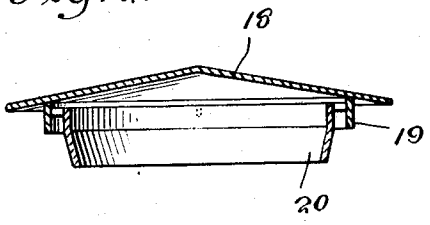
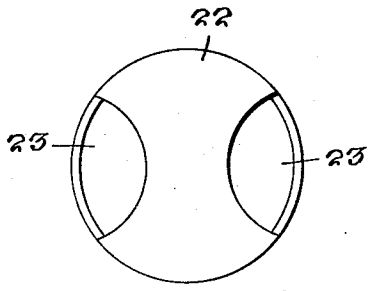


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOSEPH WEBER, OF GRINNELL, IOWA.

WATERER.

Application filed December 27, 1924. Serial No. 758,418.

To all whom it may concern:

Be it known that I, JOSEPH WEBER, a citizen of the United States, residing at Grinnell, in the county of Poweshiek and State of Iowa, have invented new and useful Improvements in Waterers, of which the following is a specification.

This invention relates to stock watering tanks and contemplates a structure including a supply tank, and an auxiliary supply tank, the latter being in connection with the drinking trough or tank, in a manner to maintain a constant level of water in the drinking tank irrespective of the level of the water in either of the supply tanks, and to provide the auxiliary supply tank with a cover designed to admit air thereinto.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawing, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawing forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a view in elevation partly in section.

Figure 2 is a sectional view through the cover for the auxiliary supply tank.

Figure 3 is a top plan view of the drinking tank.

Referring to the drawing in detail, 10 represents the main supply tank which is preferably arranged above the surface, while the auxiliary supply tank 11 and the drinking tank 12 are embedded in the ground, the latter being preferably arranged flush with the surface A as shown in Figure 1. The water from the main supply tank is conveyed to the auxiliary tank 11 by means of a pipe 13, one end of which is arranged within the supply tank 10 and covered with wire of any desired mesh to prevent dirt and other foreign matter from entering the pipe 13. The other end of this pipe enters the auxiliary supply tank 11 and is associated with a valve, the casing of which is indicated at 14 and the lever of which is indicated at 15. The lever or handle of the valve is associated with the adjacent end of a float including a rod 16, the float being indicated at 17. Consequently, the valve is automatically operated with the rise and fall of the float 17 to regulate the admittance of water into the auxiliary supply tank 11 as will be readily understood. This tank 1 projects a slight distance above the surface A and is provided with a cover of the construction shown in Figure 2. The body or top of the cover is substantially cone shaped in configuration and is indicated at 18, while depending therefrom is an annular flange 19. Arranged within the flange 19 and spaced therefrom, and also projecting beneath the lower edge of the flange is an annulus 20, having inwardly inclined walls of a size and shape to frictionally engage the beveled edge of the open end of the auxiliary tank 11 to support the cover in position as shown in Figure 1. It will be noted upon inspection of this figure that when the annulus 20 reposes upon the tank 11, the depending flange 19 is arranged beyond the wall of the tank, to allow the air to enter the tank 11 between the flange 19 and the annulus 20, the latter being spaced from the top 18 for this purpose.

Establishing communication between the auxiliary tank 11 and the drinking tank 12 is a pipe 21, so that water from the auxiliary supply tank 11 is conveyed to the drinking tank 10, thus maintaining a constant level of water in the last mentioned tank, irrespective of the level of water in either the main supply tank 10 or the auxiliary supply tank 11. The drinking tank 12 is closed at the top by means of a cover 22 which may form an integral part of the tank, but which cover is provided with a plurality of openings 23 through which the animal is allowed to drink the water from the tank.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

Having thus described the invention, I claim:

In a stock watering device, an auxiliary water supply tank having an open upper end provided with a beveled edge, a ventilating cover for the tank comprising an annulus having inwardly inclined walls of a size and shape to frictionally engage the beveled edge of the open upper end of the tank, a flange spaced horizontally from the annulus and a substantially cone shaped top supported by the flange.

In testimony whereof I affix my signature.

JOSEPH WEBER.