W. A. ANDREW.

WATERING BOWL.

APPLICATION FILED JAN. 14, 1920.

1,345,113. Patented June 29, 1920.

Fig. 1.

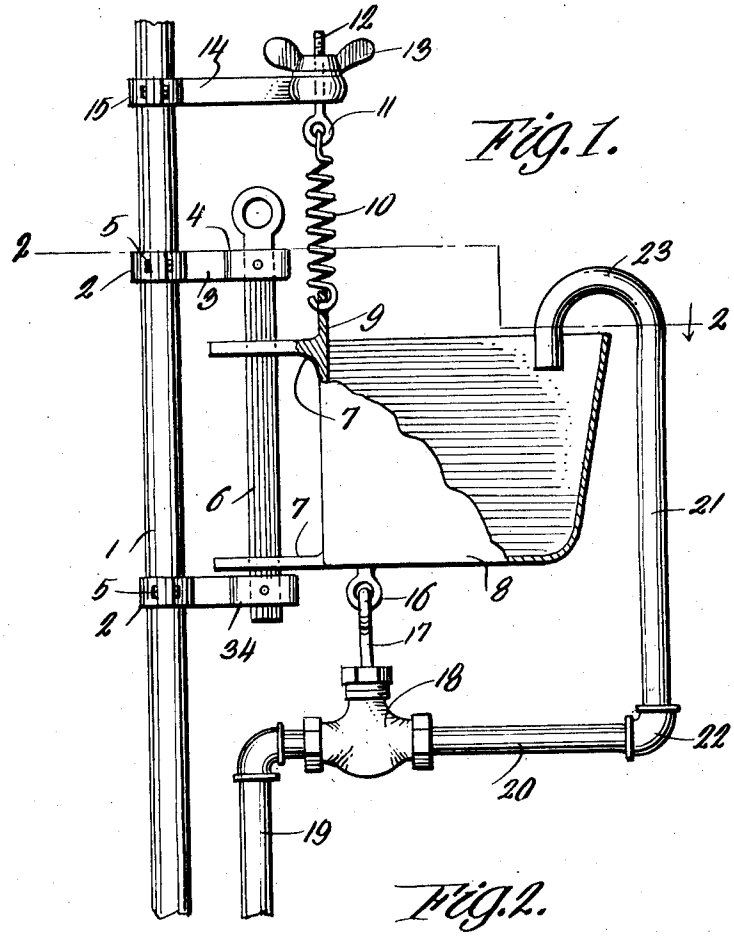
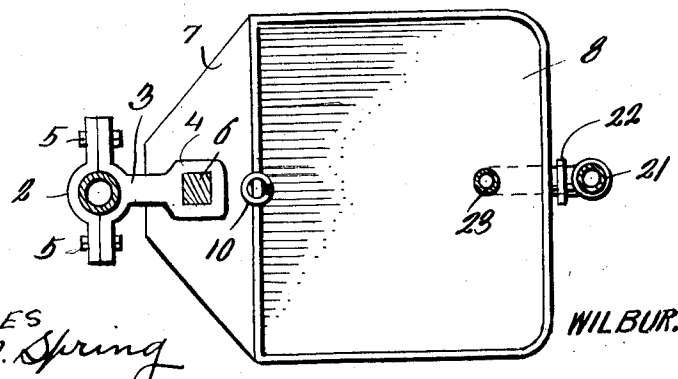



Fig. 2.




WITNESSES

Guy M. Spring

Chas. P. Smith

Inventor

WILBUR A. ANDREW

By Richard B. Owen

Attorney

# UNITED STATES PATENT OFFICE.

WILBUR A. ANDREW, OF EVANSVILLE, WISCONSIN.

## WATERING-BOWL.

1,345,113. Specification of Letters Patent. Patented June 29, 1920.

Application filed January 14, 1920. Serial No. 351,338.

*To all whom it may concern:*

Be it known that I, WILBUR A. ANDREW, a citizen of the United States, residing at Evansville, in the county of Rock and State of Wisconsin, have invented certain new and useful Improvements in Watering-Bowls, of which the following is a specification.

This invention relates to a watering bowl and has for its principal object the production of a bowl provided with means for automatically filling same.

Another object of this invention is the production of a bowl which is connected with a valve so that when the bowl becomes empty, same will rise shifting the valve to an open position and when the bowl is full it will lower thereby closing the valve.

A still further object of this invention is the production of a spring adapted to hold the bowl containing the water and means provided for applying the proper tension to said spring.

With these and other objects in view, this invention consists of certain novel arrangements, constructions and combinations of parts as will be hereinafter more fully described.

In the accompanying drawing.

Figure 1 is a side elevation partly in section of my invention, and

Fig. 2 is a section taken on the line 2—2 looking in the direction of the arrow.

By referring to the accompanying drawings by numerals it will be seen that 1 designates the main support which may be a post or pole or any suitable means. Mounted upon this support 1 is situated the horizontally extending bars 3 which are held to the support 1 by means of the clamps 2 and the bolt and nut 5. These bars 3 terminate in the eyes 4 which are substantially square and adapted to receive the slide rod 6 which is fixedly held within the eyes 4 by means of rivets. This slide bar 6 is substantially square in cross section and is adapted to receive the webs 7 which are integral with the bowl 8. These webs 7 have a substantially square opening for receiving the guide bars 6. The bowl 8 may be of any suitable construction and is provided at its top portion with a link 9 for receiving the coiled spring 10 which has at its bottom a hook and at its top an eye for receiving the bolt 12 which has at its bottom an eye 11. The bolt 12 passes through an eye provided at the terminal of the bar 14. This bar 14 is held upon the support 1 by means of the clamp 15 by a bolt and nut or some other suitable means. In order to provide the proper tension to the spring 10 the end of the bolt 12 is threaded and adapted to receive the thumb nut 13 for holding same in the desired adjusted position within the eye of the bar 14.

Upon the bottom surface of the bowl 8 is provided the lug having an eye 16 adapted to engage the eye provided in the valve stem 15 which extends into the valve 18. A supply pipe 19 leads into the valve 18 which is in turn threadedly connected to the pipe 20 which extends horizontally and is connected to the pipe 21 by means of the elbow 22. The vertical pipe 21 extends upwardly and over the bowl so as to form the hooked portion 23.

As shown in Fig. 1 the device is in the position taken when the tank is full and the valve 18 is closed. As this bowl 8 becomes empty it will be seen that the spring 10 will raise the bowl 8 thereby pulling upwardly upon the valve stem 17 thereby opening the valve 18 so as to allow water to pass from the supply pipe 19 through the valve 18 and through the pipe 20. From the pipe 20 the water will pass through the vertical pipe 21 through the hooked portion 23 and into the bowl 8. When the bowl becomes full to the desired height, the weight will force the bowl downwardly so as to close the valve 18. By referring especially to Fig. 2 it will be seen that the slide 6 is square in cross section and that the eyes are also square thereby preventing any swinging movement of the bowl 8.

From the above description it will be seen that my invention may be easily assembled and disassembled and is very simple of construction. The above description relates to what I call the preferred form of my invention and I wish it understood that I may make such changes in arrangement and construction of parts as will fall within the scope of the appended claims.

Having thus described my invention what I claim as new is:—

1. In a device of the class described, the combination of a support, supporting bars

provided with square openings attached to said support, a slide bar fitting in said openings of said bars, a watering bowl, means provided for slidably connecting said watering bowl to said slide bar, a water supply pipe leading into said bowl, a valve situated upon said pipe, a link provided on the bottom portion of said bowl and connected to the valve stem of said valve whereby when said bowl is raised or lowered said valve will be opened or closed, and means provided for raising said bowl.

2. In a device of the class described, the combination of a main support, bars attached to said support and provided with square eyes in their terminals, a slide rod mounted within the eyes of said bars and being substantially square in cross section, a bowl having webs extending rearwardly therefrom, said webs provided with square openings adapted to register with said slide rod, a water supply pipe leading into said bowl, a valve positioned upon said pipe and situated below said bowl, a link extending from the bottom of said bowl and attached to the valve stem of said valve, a link provided upon the top portion of said valve, a spring attached to the last mentioned link and means provided for supporting said spring.

3. In a device of the class described, the combination of a support, a bowl, means for attaching said bowl in slidable relation with said support, a water supply pipe leading into said bowl, a valve situated upon said pipe, means for connecting said valve with said bowl whereby when said bowl is raised or lowered said valve will be opened or closed, a link situated upon the top portion of said bowl, a coil spring connected to said link, a threaded bolt connected to the other end of said coil spring, a thumb nut provided upon the threaded portion of said bolt, a horizontal bar provided with an eye in its terminal fixedly attached to said support, said bolt adapted to pass through the terminal of said bar, whereby said spring will normally hold said bowl in an elevated position.

In testimony whereof I affix my signature in presence of two witnesses.

WILBUR A. ANDREW.

Witnesses:
R. B. SNYDER,
F. P. BENNETT.