Nov. 6, 1923.

1,473,097

D. M. HOLBROOK

AUTOMATIC FAUCET

Filed Dec. 26, 1922

Fig. I.

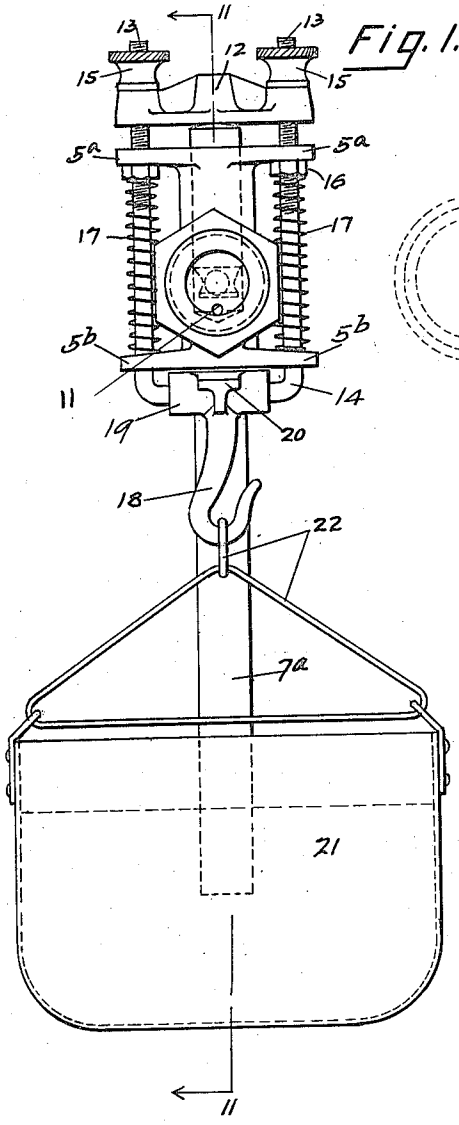
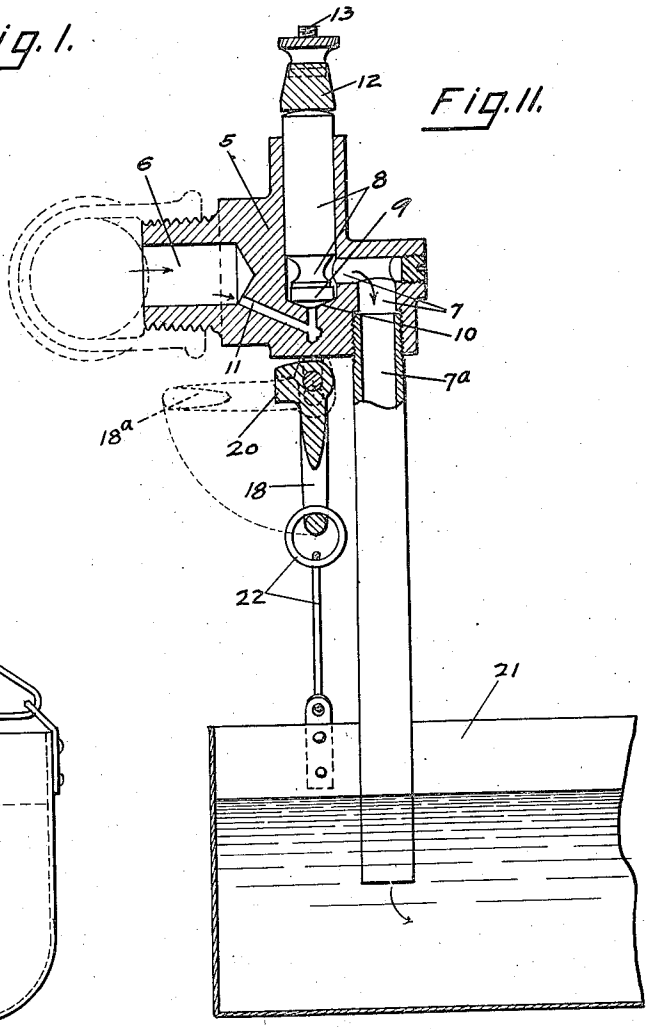


Fig. II.



INVENTOR

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BY G. E. Hamaker

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UNITED STATES PATENT OFFICE.

DAVID M. HOLBROOK, OF PORTLAND, OREGON.

AUTOMATIC FAUCET.

Application filed December 26, 1922. Serial No. 608,814.

To all whom it may concern:

Be it known that I, DAVID M. HOLBROOK, a citizen of the United States, residing at Portland, county of Multnomah, and State of Oregon, and whose post-office address is 415 Jessup Street, Portland, Oregon, have invented a new and useful Automatic Faucet, of which the following is the specification.

My invention is a device of such construction that water may flow automatically through this said device into a container, and the container with the water contained therein, by its weight, will automatically stop the flow of the water through the faucet.

The object of my invention is to construct a device that will fit upon the water pipes, and attached to the faucet is a hook to which will be suspended on one end thereof a trough suitable for stock or poultry, and it is regulated so that when the trough so suspended is filled with water near the top the weight of the trough and the water, by means of a spring, will close down the piston and thereby stop the flow of water, as soon as the water is low in the trough the weight will let up on the piston thereby allowing more water to flow.

I obtained these objects in the manner illustrated in the accompanying drawings and set forth in the specifications following.

Referring to the drawings:

Figure I is the end elevation of the faucet and trough.

Figure II is a sectional elevation of II—II of Figure I.

Similar letters and numerals of reference refer to the same or similar parts throughout the several views.

No. 5 is the faucet body.
No. 5ª is the upper flanges.
No. 5ᵇ is the lower lugs.
No. 6 is the receiving opening.
No. 7 is the discharge opening.
No. 7ª is the discharge pipe.
No. 8 is the piston.
No. 9 is the valve rubber.
No. 10 is the valve seat.
No. 11 is the passage.
No. 12 is the yoke.
No. 13 is the screw ends.
No. 14 is the U-bolts.
No. 15 are the thumb nuts.
No. 16 are the nuts.
No. 17 is the springs.
No. 18 is the hook.
No. 18ª is the revolved position.
No. 19 is the hub of hook.
No. 20 is the eccentric lug.
No. 21 is the water trough.
No. 22 is the suspending means.

The body is constructed in one piece having at the upper end the lugs 5ª and at the lower end the lugs 5ᵇ and having a receiving opening to the intake of the water 6, and the discharge pipe 7 at the top and between lugs 5ª is an opening extending from the top down through the body at right angles to the opening 6 to a point at the bottom of the said opening 6 extending into which said opening there is fitted the piston 8, the piston 8 rests upon a rubber valve 9, the rubber valve 9 rests upon the valve seat extended from the inner end of the opening 8 in a downward direction to a point immediately below the center of the piston 8 and thence up to the valve seat at the passage 11, which allows the water to flow up to the valve seat; the U-bolt 14 is fitted through lugs 5ᵇ and lugs 5ª and fitted and extending from the top end of said U-bolt is the yoke 12 which rests upon the piston 8 both ends of the yoke are fastened upon the U-bolt by means of thumb screws 15, the screw ends are indicated by 13, fitted and secured upon both sides of said U-bolt immediately below the lugs 5ª is the nut 16, coil spring 17 are coiled about the U bolt above the lugs 5ᵇ and the nut 16 fitted on the U bolt between the flanges 5ᵇ is the eccentric lug 20, the free end of this eccentric lug is the hook 18 this hook is turned up as shown by 18ª to stop all flow of water. The eccentric hub 19 is provided by a lug 20; 21 is the water trough suspended by means of a ring 22.

With my device constructed by the foregoing parts and shown in my drawings, the water faucet can be adjusted by means of the nuts 16. When the trough is filled with the required amount of water the weight of the trough and the added water forces the springs 17 down, thereby forcing the yoke down upon the piston stopping the flow of water. When the trough is relieved of some of the water, spring 17 will draw up the trough which will release the pressure of the yoke and again allow the water to run, when it is desired to lock the faucet the hook will be turned up one quarter around which, by means of the lug, and by contact with the

lower part of the body, will force the yoke and the piston down thereby shutting off any further flow of water.

I claim:

1. In an automatic faucet, a faucet body, a receiving opening, a discharge opening and opening at the top end thereof extending down near the lower part, a piston fitted in said last named opening; two lugs at the top of said body, two lugs at the bottom of said body, a U bolt running through said lugs from the bottom to the top, a yoke attached at the top ends of said U bolt by means of thumb screws, an eccentric member attached in the middle of said U bolt, a lug on said member, substantially as described.

2. In an automatic faucet, a faucet body, receiving opening, discharge opening, a piston, two lugs at the top of said body, two lugs at the bottom of said body, a U bolt running through said lugs from the bottom to the top, a yoke attached to the top ends of said U bolt by means of thumb screws resting on said piston, an eccentric member attached to the middle of said U bolt, a lug on said member, substantially as described.

In testimony whereof, I have hereunto set my hand in the presence of two subscribing witnesses.

DAVID M. HOLBROOK.

Witnesses:
M. K. WATKINS,
PETE GAY.