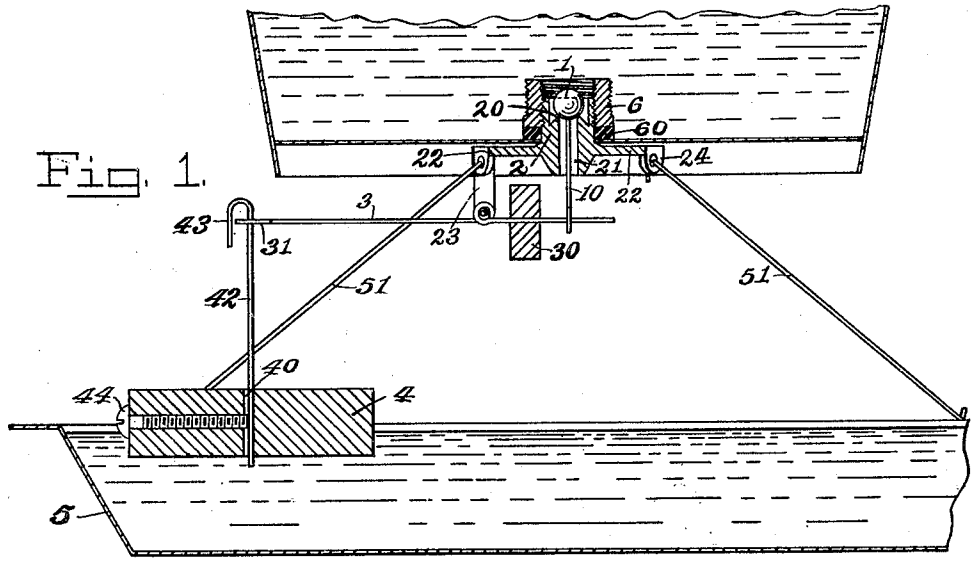
J. J. HASTY.

POULTRY DRINKING FOUNTAIN.

APPLICATION FILED NOV. 22, 1913.

1,103,413. Patented July 14, 1914.

Fig. 1.



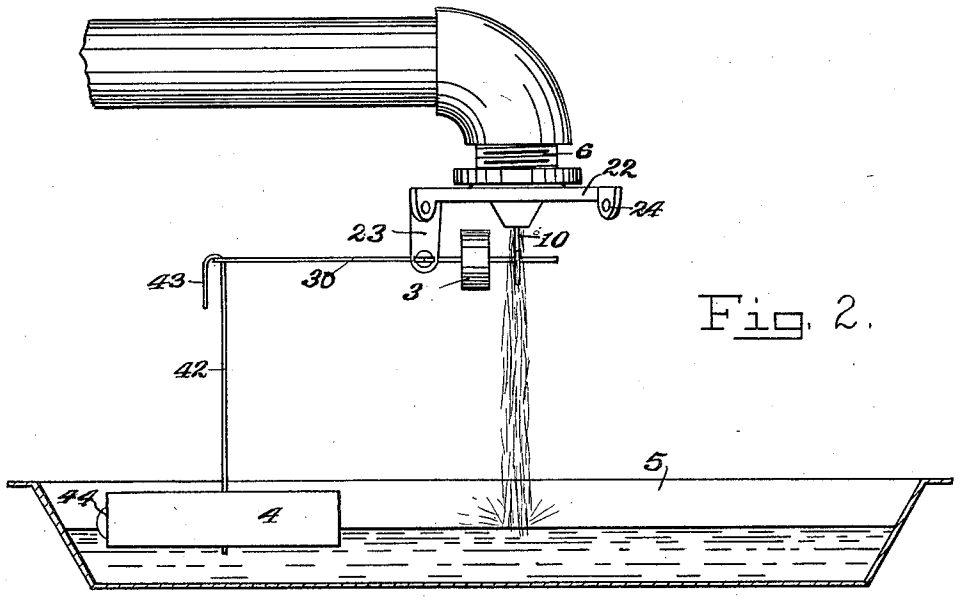


Fig. 2.

Witnesses

Charles L. Reynolds.

Richard W. Reynolds.

Inventor

Jesse J. Hasty

by Henry L. Reynolds.

Attorney.

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JESSE J. HASTY, OF SEATTLE, WASHINGTON.

POULTRY DRINKING-FOUNTAIN.

1,103,413. Specification of Letters Patent. Patented July 14, 1914.

Application filed November 22, 1913. Serial No. 802,571.

To all whom it may concern:

Be it known that I, JESSE J. HASTY, a citizen of the United States, and resident of Seattle, in the county of King, State of Washington, have invented certain new and useful Improvements in Poultry Drinking-Fountains, of which the following is a specification.

My invention relates to means employed for automatically controlling fountains, and particularly for fountains for supplying poultry with water. I have therefore called it a poultry fount attachment.

The object of my invention is to provide a valve and means for automatically controlling this, mounted upon a sleeve or like member, so that it may be attached to any source of water supply, such as a pail, barrel, pipe, etc., irrespective of the pressure of the water, and also one which may be used with any kind of a fount, or drinking vessel, and one which will remain closed when the fount is removed for any purpose.

In the drawings I have shown my present preferred construction.

Figure 1 is a sectional elevation of my device applied to a pail, the parts being in position to close the valve. Fig. 2 is an elevation of my device mounted upon a pipe, the parts being in position to open the valve.

My device is intended as an attachment which may be applied to any suitable source of water supply and which may be used to control the delivery of water to any kind of a receiver or fount.

The base or frame member upon which the parts are mounted, is made in the form of a sleeve 2, which may be screwed into a pipe or threaded hole of proper size. To facilitate attachment to pans, pails or the like water supply vessel, I also provide a sleeve 6 which screws upon the sleeve 2 and which may be used as a nut to compress a packing washer 60 to make a tight joint and to secure it in place when applied to vessels in the manner shown in Fig. 1. The sleeve 6 is threaded, both internally and externally, so that it may serve as a reducer when necessary.

The sleeve 2 has a central discharge bore or channel 21, and at its upper end it is further recessed to form an enlarged valve-receiving chamber, within which is the ball valve 1. The bottom of the valve-receiving chamber is coned, the apex of the cone being upward, which forms an upwardly facing sharp edge 20 for the ball to seat upon. This makes it less easy for particles of grit to lodge upon the valve seat and prevent proper closure of the valve.

The lower and outer end of the sleeve, that is, the frame member, is provided with means for supporting the valve controlling means and also with means for supporting a fount, when this is desired. The means shown for doing this are as follows, although other means may be employed.

An arm 23, extends laterally and downwardly, forming a fulcrum or pivot support for the weighted valve controlling lever 3. This lever is connected with the valve through the valve stem 10, which extends through the water discharge channel 21. An eye in the valve stem through which the end of lever 3 passes, forms a convenient type of connection.

Upon the end of this lever, which is connected with the valve, is fixed a weight, 30, this acting to assist in holding the valve tightly closed. To the other end of this lever a floatable weight is attached in such manner that it may be quickly and easily detached and attached. This weight should be sufficient to be able to overcome the valve closing tendencies of weight 30 and the valve itself, to thereby open the valve when a sufficient part of its weight is brought into action. I prefer to make this weight 4, of a small block of wood, and provide it with a stem consisting of a wire 42 which is passed through a hole 40 in the block. A screw 44 makes it possible to quickly adjust the height of the block. By providing the end of lever 3 with an eye 31, and the upper end of stem 42 with a hook 43, the two may be easily attached and detached.

The device as above described, may be used in connection with a pan or trough which is wholly separate from the same, as is shown in Fig. 2. In Fig. 1 I have shown the pan 5 as supported from the frame member, that is, from the sleeve or nipple 2. For this purpose the nipple has been provided with a base or arms 22, which in their outermost part are provided with holes in which pan-supporting wires or links 51 are inserted. In no case is the weight of the pan or its contents carried by the valve or by the valve operating mechanism. The principle of my invention includes the use of two weights, one acting continuously to close the valve and the other being controlled in its

application by the height of water in the fount and, when applied, acting opposite to the first weight, that is, to open the valve, which it is able to do because it is superior in its force thereto.

What I claim as my invention and desire to patent is:

1. In a poultry drinking fountain attachment, a frame adapted to be secured to a source of water supply and having a water delivery channel, a valve controlling said channel and having an exteriorly projecting operative member, a lever pivoted on the frame and having actuative connection with the valve operative member, the opposite end of said lever having an eye therein, a weight mounted on that end of the lever which is connected with the valve, a combined weight and float having a stem extending through the eye in the other end of the lever and having its upper end hooked, whereby it may be readily disconnected from the lever when desired.

2. In a poultry drinking fountain attachment, a frame adapted to be secured to a source of water supply and having a water delivery channel therein, a fulcrum arm extending therefrom and fount sustaining arms, a valve in the water delivery channel closing outwardly and having a stem projecting from said channel, a lever pivoted upon the fulcrum arm and operatively connected by one end with the valve stem, a weight adjustably mounted on this end of the lever, the other end of the lever having a vertical hole therethrough, a combined weight and float having a stem sliding through said hole in the lever and having its upper end bent into a hook, and means for adjusting the position of said combined weight and float upon its stem.

In testimony whereof I have hereunto affixed my signature this 17th day of November 1913.

JESSE J. HASTY.

Witnesses:
HENRY L. REYNOLDS,
CHARLES L. REYNOLDS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."