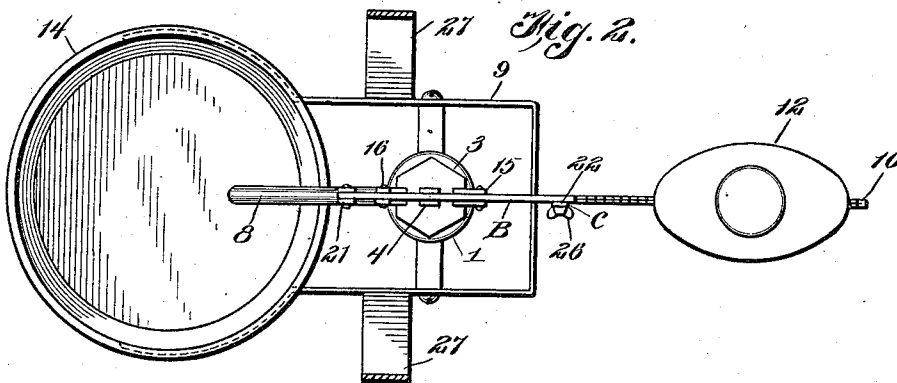
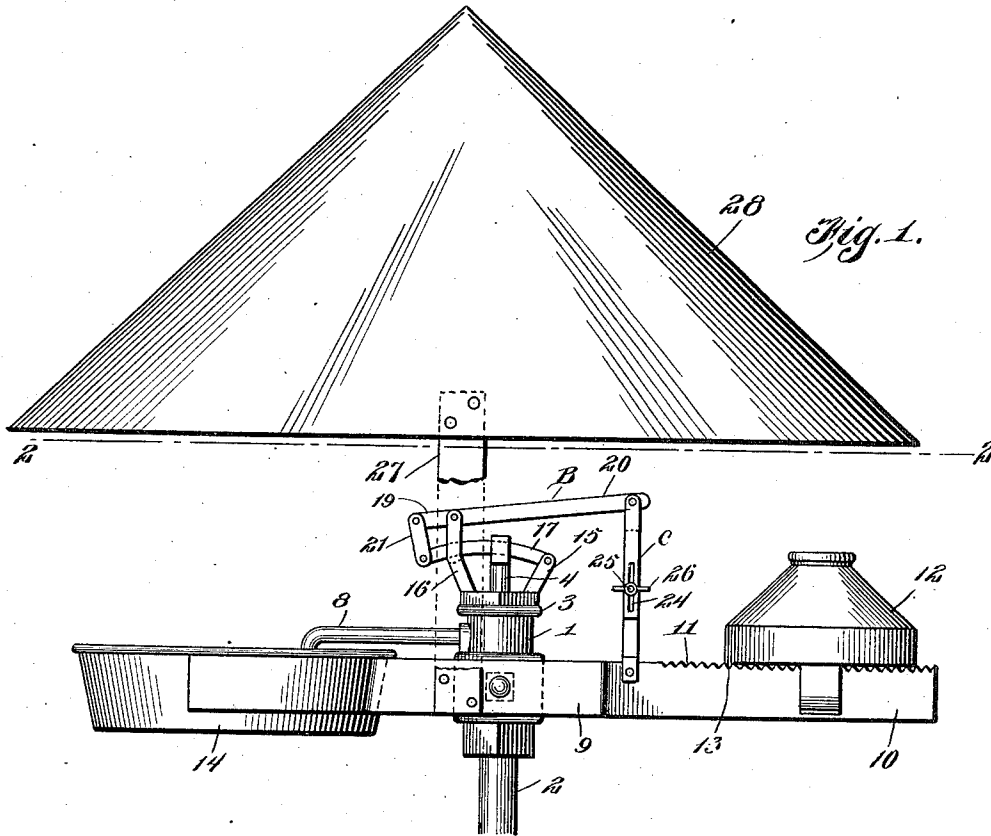


H. F. EBY.
DRINKING FOUNTAIN.
APPLICATION FILED APR. 17, 1912.

1,059,849.

Patented Apr. 22, 1913.

2 SHEETS—SHEET 1.



Witnesses

Louis R. Heinrichs
Wm. Daggert

Harry F. Eby Inventor

Victor J. Evans Attorney

UNITED STATES PATENT OFFICE.

HARRY F. EBY, OF LEBANON, PENNSYLVANIA.

DRINKING-FOUNTAIN.

1,059,849.

Specification of Letters Patent.

Patented Apr. 22, 1913.

Application filed April 17, 1912. Serial No. 691,299.

To all whom it may concern:

Be it known that I, HARRY F. EBY, a citizen of the United States, residing at Lebanon, in the county of Lebanon and State of Pennsylvania, have invented new and useful Improvements in Drinking-Fountains, of which the following is a specification.

This invention relates to drinking fountains for animals and particularly for fowls, and it has for its object to provide a drinking fountain which shall be associated with a source of supply in such a manner that the fountain or drinking vessel will be automatically replenished when the water level is lowered.

A further object of the invention is to produce a device of the character described in which the drinking vessel may be readily raised or lowered to the position which shall be most convenient to accommodate the animals or fowls that are to be supplied with water.

A further object of the invention is to provide a device of the class described which may be readily set or regulated so as to predetermine the normal water level.

A still further object of the invention is to provide a device of the character described which shall be equipped with a hood to prevent fowls from interfering with the operation of the device by roosting thereon and from making the water foul by getting their feet into the drinking pan.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claim.

In the accompanying drawings has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the claim may be resorted to when desired.

In the drawings,—Figure 1 is a side elevation of a drinking fountain constructed in accordance with the invention. Fig. 2 is a horizontal sectional view taken on the line 2—2 in Fig. 1. Fig. 3 is an end elevation. Fig. 4 is a sectional elevation, enlarged, of

the valve mechanism of the improved drinking fountain.

Corresponding parts in the several figures are denoted by like characters of reference.

The valve casing 1 which is mounted upon the service pipe 2 is provided with a detachable screw threaded cap 3 through which extends the stem 4 of a valve 5 which seats upon the constricted inlet 6 of the chamber 7 with which the inner end of the discharge pipe 8 communicates. By lifting and unseating the valve the water is permitted to pass from the service pipe through the chamber 7 and discharge pipe 8, as will be readily understood.

Supported pivotally upon the valve casing is a frame 9 having at one end an arm or lever 10 the upper edge of which is provided with notches 11 adapted to be engaged by a tooth associated with a weight 12 which is slidably mounted upon the lever, said tooth, 13, serving to maintain the weight in adjusted position. The opposite end of the frame to that carrying the arm 10 supports a receptacle, such as a shallow pan 14, which constitutes the drinking vessel, said pan being supported directly beneath the discharge pipe 8.

The cap 3 of the valve casing is provided with uprights 15 and 16. Upon the upright 15 is fulcrumed a lever 17 which is slidably connected with the valve stem, the latter being provided with a slot 18 for the passage of said lever. Upon the upright 16 which is positioned diametrically opposite to the upright 15 and directly above the discharge pipe 8 is fulcrumed a lever B having short and long arms 19, 20. The short arm 19 is connected by a link 21 with the free end of the lever 17, the upright 16 being preferably bifurcated for the passage of said lever 17. The long arm 20 of the lever B is connected with the arm 10 of the pivoted frame 9 by means of a link C which is composed of two members 22 and 23, each having a slot 24 for the passage of a connecting member such as a bolt 25 having a thumb nut 26, thus enabling the link C to be lengthened or shortened at will.

The frame 9 is provided with upwardly extending braces 27 supporting a hood 28 which is made of suitable dimensions to extend over the drinking pan 14 at one side of the valve casing and over the weight

carrying arm 10 at the opposite side of the valve casing.

From the foregoing description, taken in connection with the drawings hereto annexed, it will be readily understood that the weight 12 may be adjusted to such position that the weight of the water contained in the pan 14 will operate to seat the valve when the water level reaches a predetermined point. In the event of varying water pressure, proper adjustment of the weight 12 will cause the valve to be seated when the normal water level is attained. Change of the normal water level may also be effected by adjustment of the weight 12. By lengthening the extension link C which connects the lever 20 with the arm 10, the drinking vessel 14 may be raised or elevated, and by shortening said link, the drinking vessel may be lowered to accommodate young chickens which could not otherwise drink from the vessel. The hood 28 will prevent fowls from roosting upon the device and thereby interfering with its operation, and said hood will likewise prevent fowls from dirtying the water by splashing therein.

The improved device may be readily attached to a service pipe connected with any

source of supply, such as a water system or a tank located at a sufficient elevation to provide the desired head of water.

Having thus described the invention, what is claimed as new, is:—

A service pipe, a valve casing supported thereon and having a discharge pipe, a cap on the valve casing having oppositely disposed uprights, a valve in the casing to regulate the flow of liquid therethrough, said valve having a stem extending through the cap, a frame pivoted upon the valve casing and having at one end a weight carrying arm, a drinking pan supported upon the other end of the frame, suitably connected levers fulcrumed upon the uprights on the valve cap, and an extension link connecting one of said levers with the weight carrying arm of the pivoted frame, said extension arm being composed of two adjustably connected members, whereby said link may be lengthened or shortened.

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

HARRY F. EBY.

Witnesses:

EDWIN H. SHROFF,
AARON SATTEZAHN.

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