

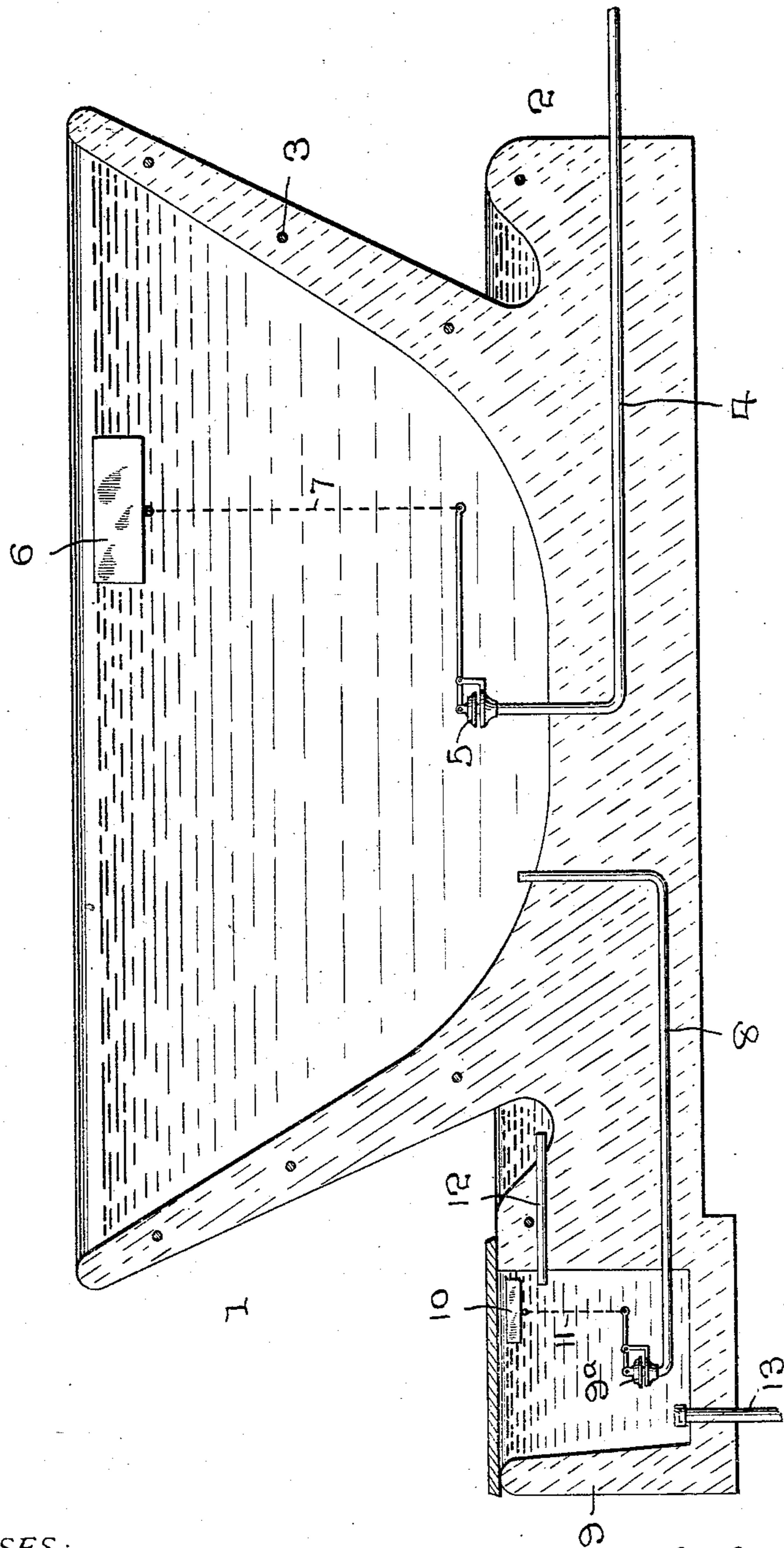
W. H. DENSMORE, JR. & A. HAYTON.

DRINKING FOUNTAIN.

APPLICATION FILED DEC. 15, 1908.

929,569.

Patented July 27, 1909.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM H. DENSMORE, JR., AND ALBERT HAYTON, OF SABULA, IOWA, ASSIGNORS OF ONE-FOURTH TO THOMAS J. HARRISON AND ONE-FOURTH TO JOHN MALONEY, BOTH OF SABULA, IOWA.

DRINKING-FOUNTAIN.

No. 929,569.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed December 15, 1908. Serial No. 467,638.

To all whom it may concern:

Be it known that we, WILLIAM H. DENSMORE, Jr., and ALBERT HAYTON, citizens of the United States, residing at Sabula, in the county of Jackson and State of Iowa, have invented certain new and useful Improvements in Drinking-Fountains; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to new and useful improvements in what may be termed stock or animal watering devices or fountains.

The invention has for an object to provide for automatically replenishing the water supply in the trough or receptacle receiving such supply.

A further object of the invention is to promote simplicity of construction, to facilitate the action of the parts and to control the water supply in an automatic and effective manner.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claim.

The invention consists in certain instrumentalities or features substantially as hereinafter fully disclosed and defined by the claim.

In the accompanying drawings, which are made a part of this application, the figure is a vertical section with certain parts in side elevation of the invention.

In practicing our invention, we preferably form of concrete or plastic material, a receptacle or trough 1 having a base portion, said base portion also being adapted to form a preferably shallow receptacle 2, the larger receptacle being designed for stock or large animals and the shallow receptacle for smaller animals, as will be readily appreciated. The concrete or plastic material from which said receptacles, as stated, are formed, is provided with metal reinforce, as indicated at 3, for the obvious purpose of strengthening the same.

Leading into the receptacle 1 from a suitable reservoir or water supply, is a pipe 4, said pipe having its inner end vertical and extending upwardly into about centrally of said receptacle, a short distance above its bottom and provided with an inlet or supply valve 5, the action of which is controlled by

a float 6, connected to one arm of the lever of said valve by a chain or other suitable medium 7. A second pipe 8 has also a vertical extension entering the lower part of the receptacle 1 slightly above its bottom, the opposite end of said pipe delivering into a small tank 9 formed with the concrete base portion of the aforesaid receptacles, said pipe also having an outlet or supply valve at that end entering said tank suitably controlled by a float 10 having chain or other connection with the lever of said valve. A further tube 12, arranged in said base, delivers from the tank 9 into the shallow receptacle 2. In the bottom of the tank 9 is a drain pipe 13.

It will be noted that as the stock or larger animals drink from the receptacle 1 and the water supply is reduced sufficiently to permit the float 16 to relax the tension of the chain 7 upon the valve 5, further water will be automatically supplied to said receptacle, which supply will continue, of course, until a stress or pull has been exerted upon the connection 7 sufficiently to close said valve, when the water will rise and restore the height of the same in said receptacle, thus providing for automatically replenishing the water supply. It will also be noted that as the smaller animals, as hogs, sheep, etc., drink from the shallow or base receptacle 2, as the water is supplied thereto by the pipe 12, the corresponding level of said water in the tank 9 will, of course, fall with the water in said receptacle, when the float 10 will relax its pull through the connection 11 upon the valve 9^a, accordingly replenishing the water supply in said tank through the pipe 12 of said receptacle, thus also providing for the automatic supply of the water to said receptacle and which supply, it will be noted, is obtained from the primary or large receptacle or fountain 1 through the pipe 8, as is apparent. It will thus be seen that a simple and inexpensive as well as convenient means of watering stock or animals, both of the large and smaller type, as above noted, is provided and one which is automatic in operation.

We claim:

A device of the character described, comprising a main receptacle, a supplemental receptacle, arranged around the base of said main receptacle, and having its bottom surface formed in continuation of the exterior

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surface of said main receptacle, said supplemental receptacle being arranged in under the overhanging sides of said main receptacle, a supply pipe for said main receptacle
5 provided with a valve, and a float adapted to actuate said valve, an additional receptacle having valved pipe connection with said main receptacle and means for the automatic opening of the valve of said pipe by the
10 action of the water in said additional water receptacle, and a water supply pipe between

said additional water receptacle and said supplemental receptacle.

In testimony whereof we have signed our names to this specification in the presence 15 of two subscribing witnesses.

WILLIAM H. DENSMORE, JR.
ALBERT HAYTON.

Witnesses:

THOMAS J. HARRISON,
GLENN S. DAY.