F. ENOS, Jr.

DRINKING FOUNTAIN FOR POULTRY.

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969,852. **Patented Sept. 13, 1910.**

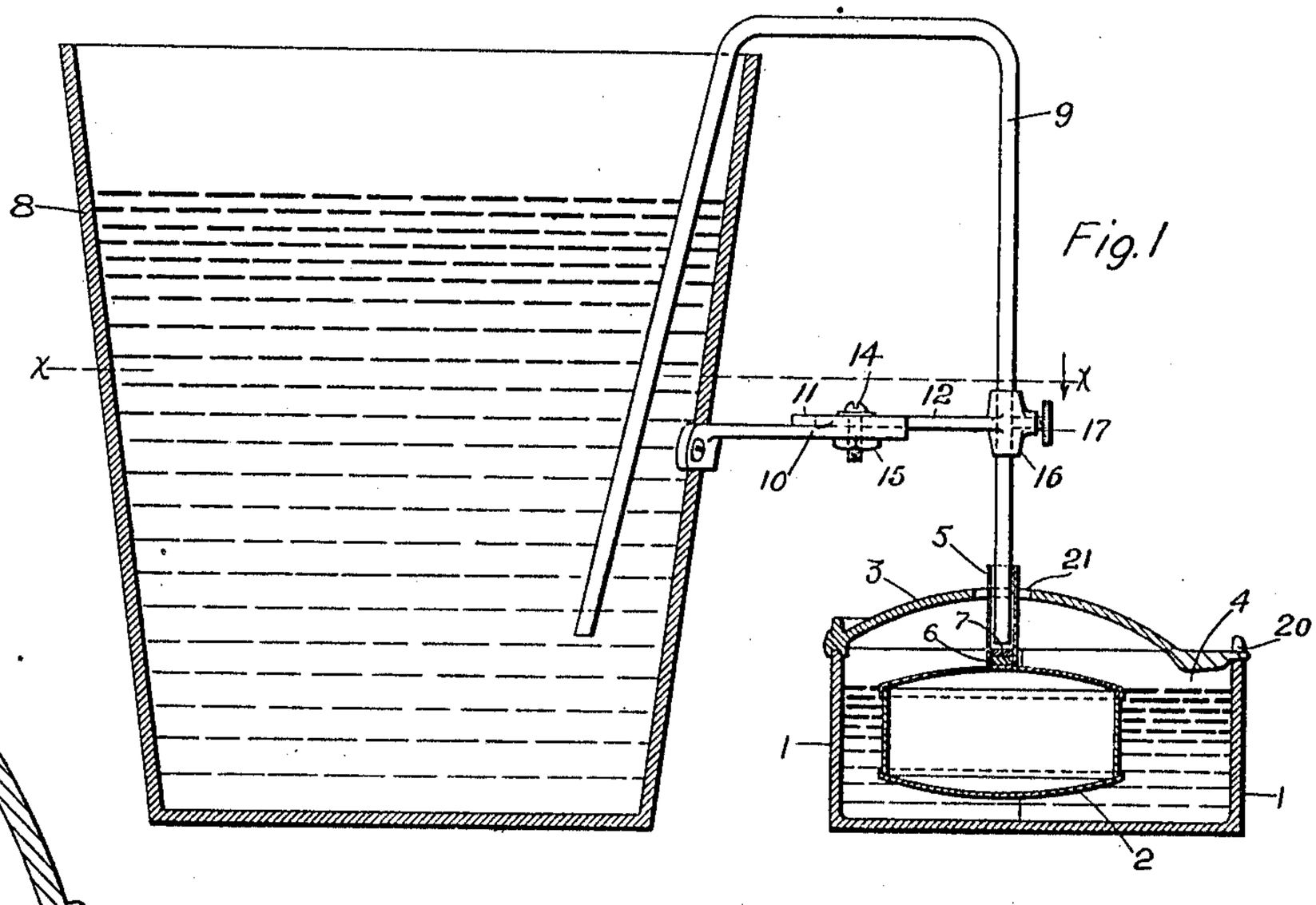

Fig. 1

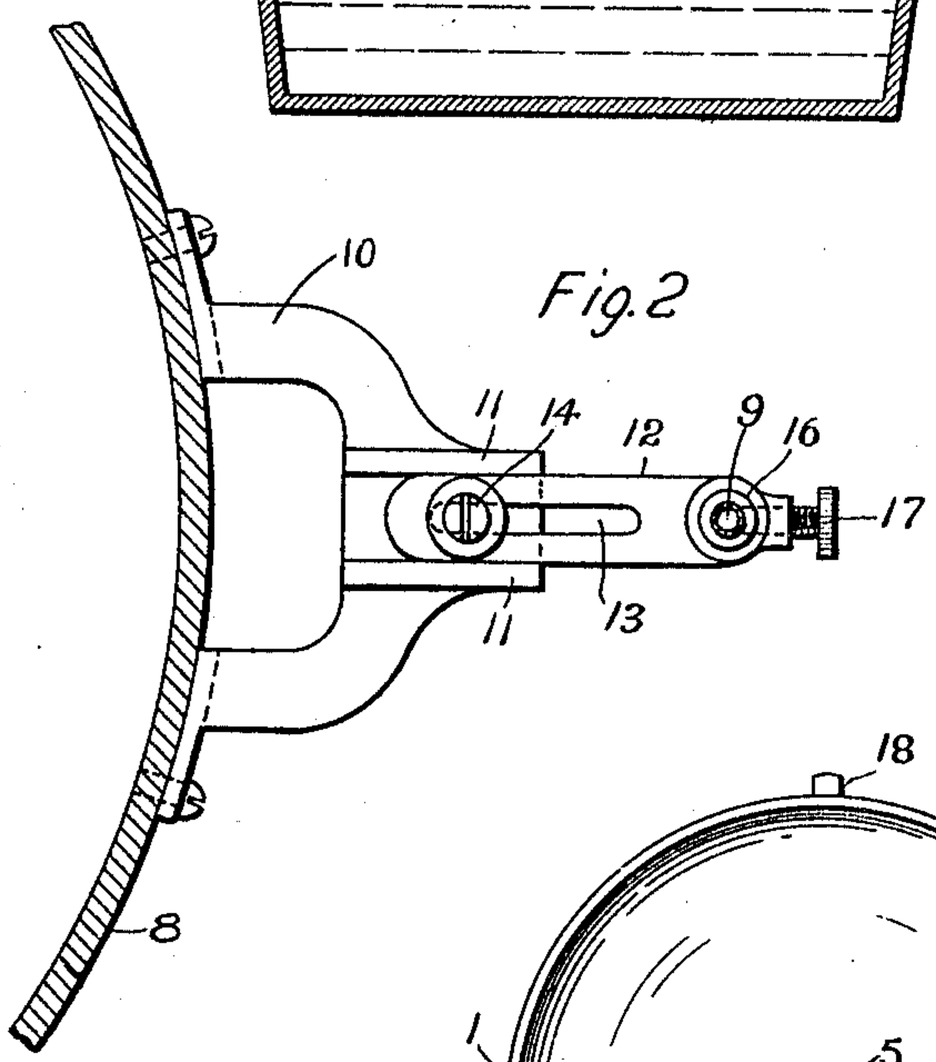

Fig. 2

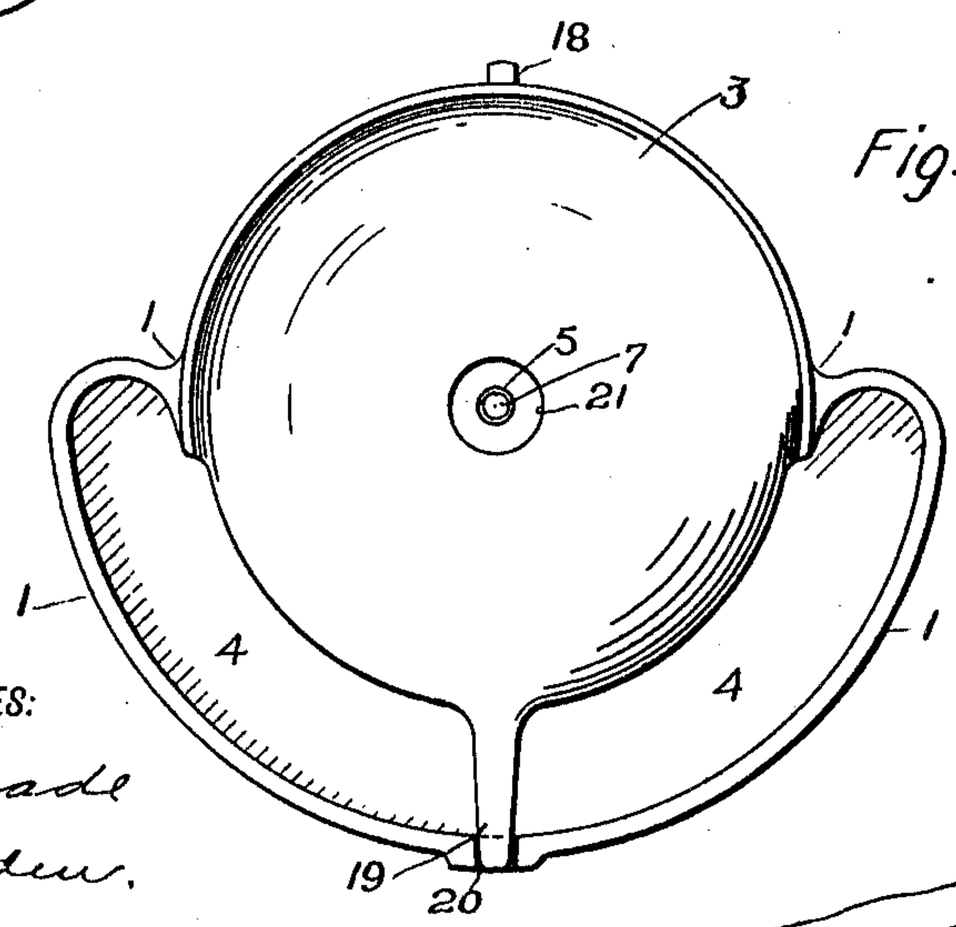

Fig. 3

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DRINKING-FOUNTAIN FOR POULTRY.

969,852. Specification of Letters Patent. **Patented Sept. 13, 1910.**

Application filed June 18, 1910. Serial No. 567,714.

To all whom it may concern:

Be it known that I, FRANK ENOS, Jr., a citizen of the United States, residing at Norwich, New London county, Connecticut, have invented certain new and useful Improvements in Drinking-Fountains for Poultry; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable other skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in drinking fountains for poultry, and has for its object to provide a very simple and effective device of this description so constructed that the drinking space afforded is a trough like receptacle which may be reached from both sides and is divided into two compartments by a bridge-like element so that there can be no crowding of the poultry during drinking.

With these ends in view my invention consists in certain details of construction and combination of parts hereinafter fully set forth and then particularly pointed out in the claims which conclude this description.

In the accompanying drawing Figure 1 is a vertical section of my improvement—Fig. 2 a section at the line x, x, of Fig. 1, and Fig. 3 a detail plan view of the drinking fountain itself.

Similar numerals of reference denote like parts in the several figures of the drawing.

8 is any suitable reservoir containing water, 10 a bracket secured to the outside of the reservoir and having parallel ribs 11 which inclose a bar 12 capable of sliding freely between said ribs. This bar 12 is provided with an elongated slot 13 and a set screw 14 passes through said slot and through the bottom of the bracket and is engaged by a nut 15, whereby said bar may be fixed in any suitable adjustment as will be readily understood. At the end of the bar 12 is a vertically disposed perforated hub 16 through which the outer leg of the pipe or siphon 9 extends and is secured in any suitable adjustment by means of a set screw 17 driven through this hub against said pipe, the inner leg of the latter extending down within the water in the reservoir 8.

1 is the body of the fountain the rear portion of which is circular in shape while the front portion is likewise circular in shape but is described from a larger radius than the rear portion of the fountain.

Within the body of the fountain is a float 2 to the top wall of which is secured a tube 5 which projects upwardly, and within the bottom of this tube are disks 6, 7, preferably of leather and chamois respectively.

3 is the cover of the fountain having at its extreme rear lower edge a bifurcated lip 18 which engages with the rear edge of the body 1, this cover being circular in shape and conforming to the circular contour of the rear portion of the body 1 so that it will not inclose the front portion of said body but will leave the latter exposed so as to constitute a drinking trough 4, while the forward edge of this cover has projecting therefrom a finger 19 which bridges said trough and engages with a notch 20 in the front wall of the trough so that the cover will be held in position by means of the lip 18 and finger 19, while at the same time the trough will be bridged and divided into two separate compartments. The cover 3 is provided with a central perforation 21 through which the tube 5 extends.

It is a peculiar fact that if an open trough were afforded for drinking purposes there would be a great deal of crowding of the poultry all around the same, whereas a partition or a bridge actually serves to keep the poultry away from the neighborhood of such partition or bridge, the result being that there is no crowding or spattering of the water, while all the poultry have ample opportunity to drink in due season.

The outer leg of the tube 9 extends down within the tube 5 in close proximity to the disk 6, after the normal level in the fountain 1 is determined. When the water in the fountain has risen to its normal level the rising float will cause said disk 7 to impinge firmly against the bottom of the tube 9 and thereby cut off the supply of water and as fast as water is withdrawn from the fountain just so fast will a fresh supply be introduced therein through the tube 9 as the float sinks.

By adjusting the tube 9 so that the bottom of the outer leg will normally be in a higher plane, the normal level of the water within the fountain 1 is raised since the float 2 must rise higher before the disk 7 can impinge against the bottom of said leg, and by

adjusting the latter in a lower normal plane the normal level of the water within the fountain will be lowered.

The trough is arcuately disposed which still further contributes toward the ready drinking of the poultry at the fountain without crowding, and the fountain may be readily cleansed without disturbing the main reservoir 8 by simply withdrawing the main feed tube 9, whereupon the cover and float may be removed and the body of the fountain thoroughly washed.

I do not wish to be understood as laying claim to the broad feature of automatically controlling the supply of water to the fountain by means of a float valve since I am aware that this is old.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

1. A drinking fountain for poultry, comprising a main reservoir, a bracket secured to the outer wall thereof, a fountain the rear portion of whose body is circular while the front portion thereof is enlarged and likewise circular, a perforated circular cover conforming to the rear body portion of the fountain whereby the front or enlarged portion of the latter is exposed and constitutes a drinking trough, a finger extending from the front end of said cover and bridging said trough and secured within the front edge of the latter, a float within said fountain and having secured to the upper wall thereof a tube which projects through the perforation in the cover, flexible disks within the bottom of said tube, and a feed pipe one leg of which extends within said reservoir while the other leg is secured within said bracket and depends in proximity to said disks.

2. A drinking fountain for poultry, comprising a reservoir, an adjustable bracket secured to the outer wall thereof, a drinking fountain whose rear portion is circular and whose front portion is enlarged and likewise circular, a circular perforated cover conforming to the rear portion of the fountain whereby the front portion thereof is exposed and constitutes an arcuate shaped drinking trough, the rear lower edge of said cover having a bifurcated lip which engages the rear upper edge of said fountain while a finger projects from the front edge of said cover and bridges said trough and engages a notch in the front edge of the latter, a float valve within said fountain and having secured to the upper wall thereof a tube, suitable disks of flexible material within the bottom of said tube the latter projecting through the perforation in the cover, and a bent tube one leg of which extends within the reservoir while the other leg is secured within the outer extremity of said bracket and depends within said tube in close proximity to said disks.

3. In a drinking fountain, for poultry, the combination of a reservoir, an adjustable bracket secured to the outer wall of said reservoir, a drinking fountain, a detachable perforated cover to said fountain, a float valve within said fountain and having secured to its upper wall an upright tube which projects through the perforated cover and contains at the bottom a suitable packing seat, a bent tube one leg of which extends within the reservoir while the other leg extends through the outer extremity of said bracket and depends within said float valve tube, and means for adjustably securing said leg within the bracket whereby the normal level of the water in said fountain may be varied.

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

FRANK ENOS, Jr.

Witnesses:
A. McNeely,
Frank Smith.