

No. 690,831.

Patented Jan. 7, 1902.

W. H. BUSCH.
DRINKING FOUNTAIN FOR FOWLS.

(Application filed Sept. 20, 1897.)

(No Model.)

Fig. 1.

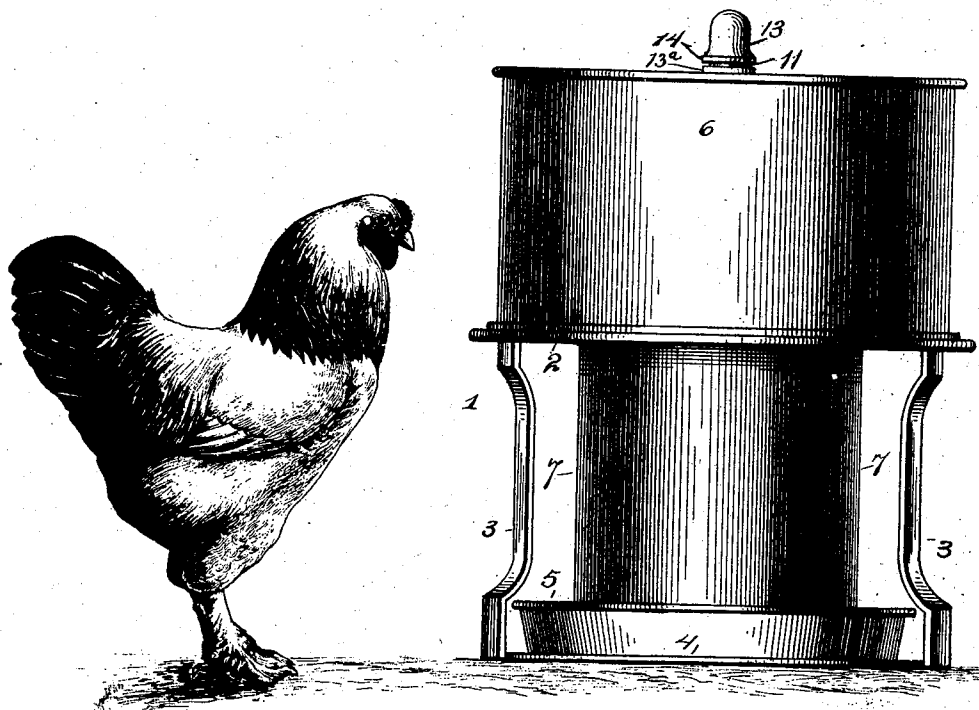
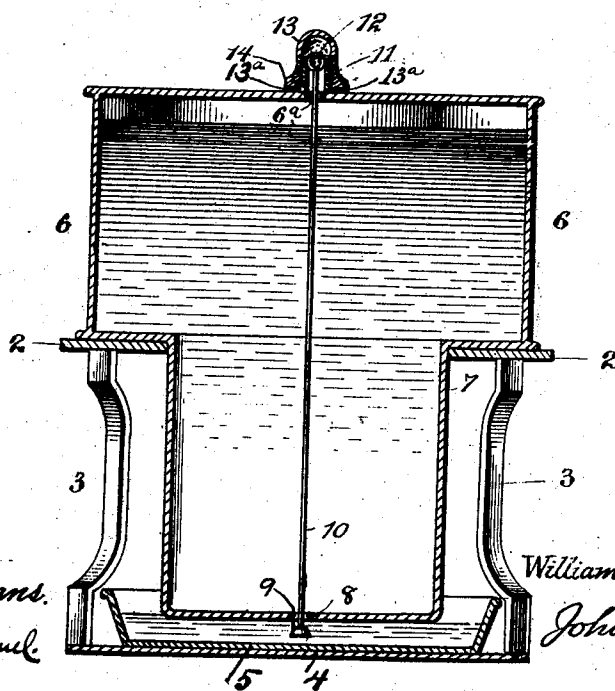


Fig. 2.



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WILLIAM H. BUSCH, OF STEWARDSON, ILLINOIS.

DRINKING-FOUNTAIN FOR FOWLS.

SPECIFICATION forming part of Letters Patent No. 690,831, dated January 7, 1902.

Application filed September 20, 1897. Serial No. 652,352. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BUSCH, a citizen of the United States of America, residing at Stewardson, in the county of Shelby and State of Illinois, have invented certain new and useful Improvements in Drinking-Fountains for Fowls; and I 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.

This invention relates to drinking-fountains for fowls, the object in view being to provide, in connection with a suitable tray or pan, a fountain for intermittently and automatically supplying water to said tray or pan, thus preserving the level or depth of water in the pan and avoiding the liability of the smaller fowls becoming submerged therein.

The detailed objects and advantages of the invention will appear in the course of the subjoined description.

The invention consists in an improved drinking-fountain for fowls, &c., embodying certain novel features and details of construction hereinafter specifically set forth, illustrated in the drawings, and incorporated in the claim hereto appended.

In the accompanying drawings, Figure 1 is a perspective view of the fountain constructed in accordance with the invention. Fig. 2 is a vertical sectional view of the same, showing the normal open position of the valve.

Similar numerals of reference indicate corresponding parts in the views.

Referring to the drawings, 1 indicates a suitable frame comprising an upper ring 2, supported by means of a series of inbent legs 3, extending downward to the base-plate 4. Upon said base-plate is placed a tray or pan 5, adapted to contain a supply of water and to allow the fowls to drink therefrom.

Seated upon the ring 2 is a fountain or normally sealed tank, the upper portion 6 of which is of sufficient size to enable it to rest upon the ring 2, the lower portion 7 of the fountain being reduced, so as to pass through the ring 2 and extend downward, the lower end thereof being partly included within the upper portion of the pan or tray 5. The lower portion 7 of the fountain is provided at the bottom with an opening 8, adapted to be closed

by a rubber valve 9, having a rod or stem 10, which extends upward centrally through an opening 6^a in the top of the fountain and out through an exteriorly-threaded filling tube or neck 11 at the top thereof. At its upper end the rod or stem 10 is provided with a ring 12, furnishing a handle, whereby the valve rod or stem 10 is normally supported by the tube or neck 11 and by which it may be drawn upward for closely seating the valve 9 and preventing the water from escaping from the fountain as the latter is being filled through the tube or neck 11. Removably fitted upon the tube or neck 11 is an internally-threaded sealing-cap 13, having a flaring base or flange 14, adapted to fit around the junction between the tube or neck 11 and the top of the fountain, the said base or flange being lined with rubber or other packing material 13^a, so as to afford an air-tight joint. The opening 8 is located a short distance below the top of the pan 5, and when the water in the pan reaches the level of and covers the opening 8 the flow of water from the fountain to the pan will cease. The water in the fountain being retained therein by atmospheric pressure upon the water in the pan, as soon as the water in the pan uncovers the opening in the bottom of the fountain air passes into the latter until the water flowing into the pan gains a sufficient level to seal the bottom opening, so that the water is supplied intermittently and automatically to the pan until the fountain is exhausted, when the cap of the latter can be removed, the valve lifted by the ring upon its rod or stem to close the bottom opening, and the fountain refilled through the tube or neck 11. The valve being released, the cap is immediately applied to the tube or neck to seal the fountain at the top, and the water will cease to flow out into the pan as soon as the water in the latter rises to a sufficient level to close the bottom opening.

From the foregoing description it will be seen that I have provided a self-supplying fountain by means of which the water in the pan 5 will be always maintained at a uniform level, and the depth of the water may be increased or diminished by correspondingly deepening the pan 5 by increasing the distance between the bottom of the pan 5 and reservoir 7.

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

5 An intermittently and automatically operating chicken-fountain comprising a frame consisting of a base-plate, supporting-legs and a surmounting ring, a drinking-pan located on the base-plate, a normally sealed tank having an upper part seating on the
10 ring and formed with a central filling-opening in the top, and a reduced lower part extending through the ring and into the drinking-pan and formed with a central outlet-opening providing a valve-seat, an externally-
15 screw-threaded filling-tube surrounding the filling-opening, an internally-screw-threaded

cap and packing-ring sealing the filling-tube and seating on the top of the tank, and a valve located normally in lowered position beneath the outlet-opening and having a lifting-rod 20 extending through the outlet-opening and filling-opening, formed with a ring providing a lifting-handle seating on the filling-tube whereby the valve and lifting-rod are supported wholly from the filling-tube. 25

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

WILLIAM H. BUSCH.

Witnesses:

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J. B. MCKAY.