July 3, 1923.

1,460,702

S. P. CALTRIDER ET AL

POULTRY FOUNTAIN

Filed Feb. 28, 1922

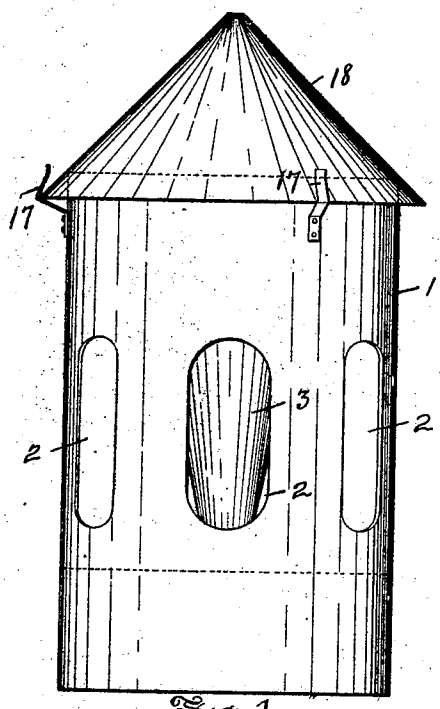


Fig 1

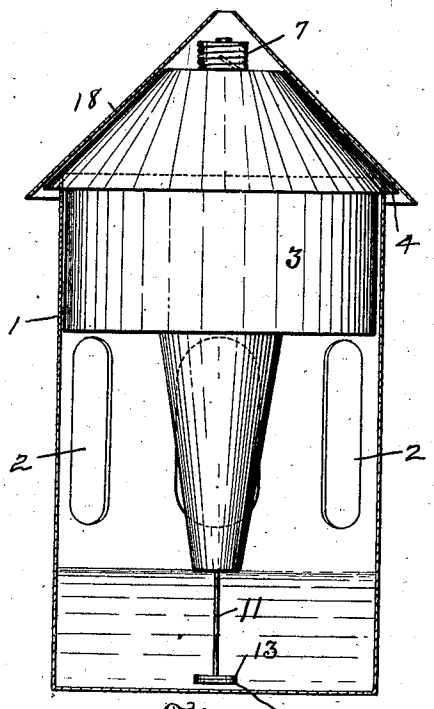


Fig 2

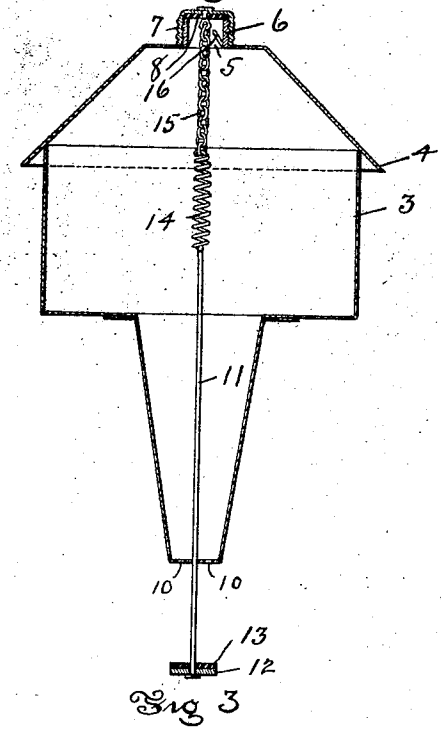


Fig 3

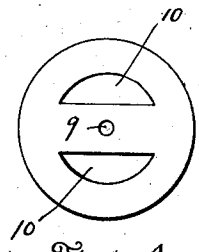


Fig 4

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UNITED STATES PATENT OFFICE.

SAMUEL P. CALTRIDER AND PETER P. SAUBLE, OF WESTMINSTER, MARYLAND.

POULTRY FOUNTAIN.

Application filed February 28, 1922. Serial No. 540,001.

To all whom it may concern:

Be it known that we, SAMUEL P. CALTRIDER and PETER P. SAUBLE, citizens of the United States, residing at Westminster, in the county of Carroll and State of Maryland, have invented certain new and useful Improvements in Poultry Fountains, of which the following is a specification.

This invention relates to improvements in poultry fountains, and has for its object to provide a simple, cheap and efficient sanitary fountain which will accommodate a number of fowls at one time, and which is provided with a self feeding fountain that can be refilled without tilting or without removal from the outer or drinking receptacle. A further object of the invention is to provide a fountain that can be readily removed for the purpose of cleaning the drinking receptacle.

The invention consists of the novel construction and arrangement of the parts and combination of parts hereinafter more fully set forth in the following specification and pointed out in detail in the appended claims.

In the accompanying drawing,—

Figure 1 is a side elevation of our invention.

Figure 2 is a vertical longitudinal section of the outer or drinking receptacle and hood, and showing the position of the removable fountain therein.

Figure 3 is a detail vertical longitudinal section of the removable fountain.

Figure 4 is an enlarged plan view of the discharge end of the fountain.

Referring to the accompanying drawing, forming part of this specification, and in which like reference numerals designate like parts throughout the several views, 1 designates the outer or drinking receptacle, which is provided with a number of elongated openings 2 in the side wall thereof, through which the fowl are enabled to drink, the water level being shown in Figure 2 and indicated by dotted lines in Figure 1. The removable fountain 3 is provided with an annular flange 4 which rests over the upper edge of the outer or drinking receptacle 1. The upper end of the said fountain 3 is provided with an opening 5 having an externally threaded neck 6 adapted to receive the internally threaded cap 7. Between the upper end of the neck 6 and the cap 7 is a rubber gasket 8 to form an air-tight joint between the said neck and cap. The lower portion of the fountain 3 is contracted and tapered and provided in its lower end with a central aperture 9 and two discharge apertures 10 through which latter the water flows from the fountain 3 to the outer or drinking receptacle 1. The water level is maintained at the lower end of the fountain 3, as indicated in Figure 2, on account of the said fountain being air-tight at its upper end and the water in the receptacle 1 forming a seal at the lower end. Projecting through the aperture 9 is a rod 11 having a metal disk 12 on its lower end and a rubber disk 13 just above and resting upon said metal disk 12. To the upper end of the rod 11 is secured one end of a coiled spring 14 and to the upper end of said spring 14 is connected a chain 15, which latter has its upper end connected to the cap 7. Within the neck 6 is an inwardly projecting hook 16 over which the chain is caught when the fountain is being filled. When it is desired to refill the fountain 3, the cap 7 is removed from the neck 6 and the rod 11 is raised by means of the chain 15 until the rubber disk 13 is tight against the discharge end of the fountain 3 and closes the apertures 10. The chain 15 is then drawn up tight against the action of the coiled spring 14 and caught over the hook 16. The water is then poured through the neck 6 until the fountain 3 is filled. The chain 15 is then unhooked and the rod 11 allowed to drop which uncovers the apertures 10 and allows the water to flow into the outer or drinking receptacle 1. The cap 7 is screwed down tight on the neck 6 and the rubber gasket 8 forms an air-tight joint between the said neck and cap, which maintains the water lever in the said drinking receptacle as indicated on the drawing. The said drinking receptacle is also provided with arms 17 near its upper end, in which rests the lower edge of the hood 18. The said hood 18 projects over the side wall of the drinking receptacle 1 and prevents water and dirt from running down the outer side wall and into the openings 2 and coming into contact with the water in the drinking receptacle. The hood 18 can be removed and used as a funnel in refilling the fountain 3, by placing the small end into the neck 7.

It will thus be seen from the foregoing that the fountain 3 can be refilled without removal from the drinking receptacle 1, or without tilting the said fountain.

Slight alterations in the construction and arrangements of the parts may be made, within the scope of the appended claims, without departing from the spirit of our present invention.

Having thus described our invention, what we claim is:

1. A poultry fountain comprising an outer receptacle having a number of openings in its side wall, a removable fountain within said outer receptacle and having an intake opening in its upper end and a discharge opening in its lower end, a cap to close the intake opening, means connected with said cap to close the discharge opening of said fountain, arms projecting from the upper edge of the outer receptacle, and a hood resting upon said arms and above the inner and outer receptacles.

2. A poultry fountain comprising an outer receptacle having a number of openings in its side wall, a removable fountain having an intake opening in its upper end and an annular flange adapted to rest upon the upper edge of the outer receptacle and a contracted tapered lower portion provided with a central aperture and two discharge openings in its lower end, a cap to close the said intake opening, a rod projecting through the central aperture in the lower end of the said removable fountain and having a disk thereon adapted to close the discharge opening of said fountain, means connecting the said rod and cap for raising said rod to close the said discharge opening, arms projecting from the upper edge of the outer receptacle, and a hood having its lower edge resting in said arms and covering the outer receptacle and the removable fountain.

In testimony whereof we affix our signatures.

SAMUEL P. CALTRIDER.
PETER P. SAUBLE.