G. WINKLE.

CHICKEN WATERING FOUNTAIN.

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1,154,825.

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Fig. 2

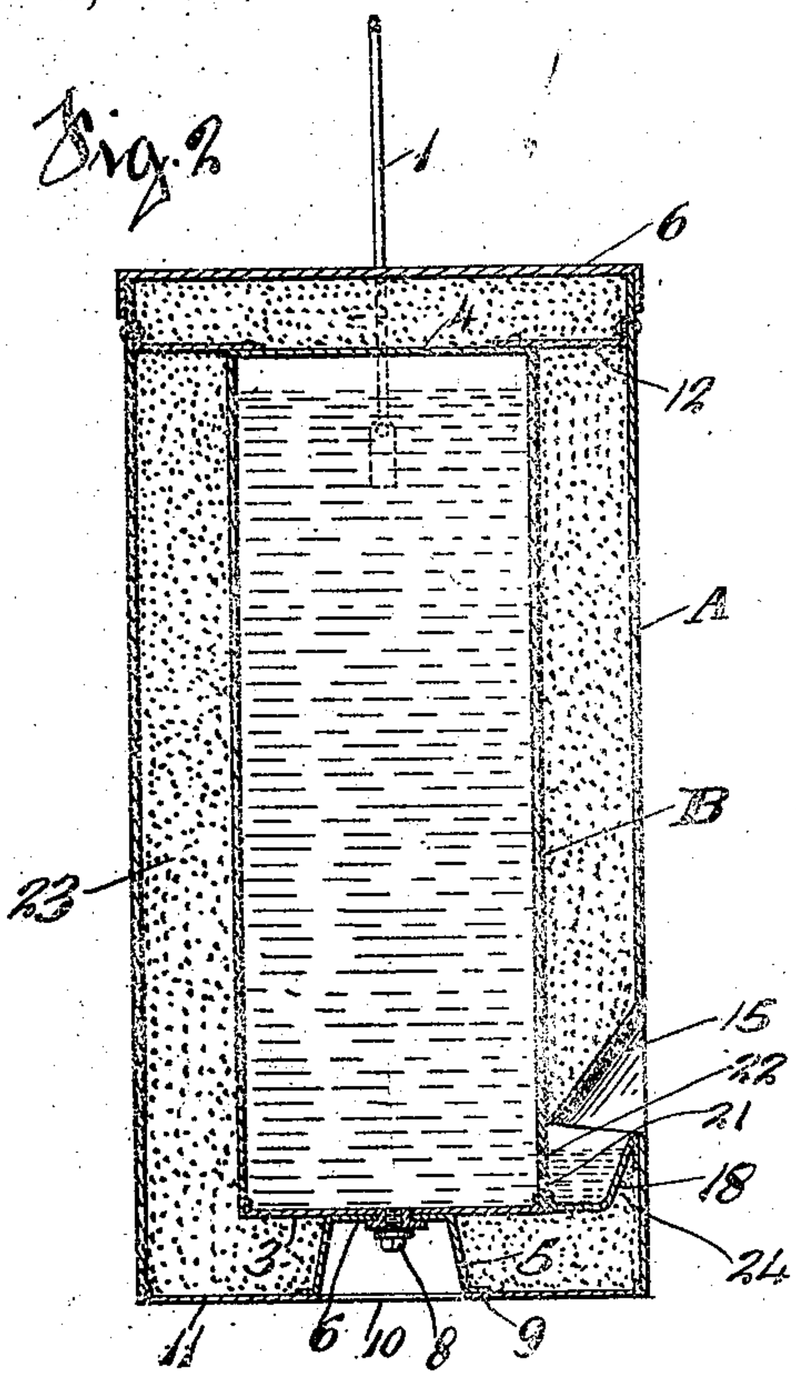


Fig. 1

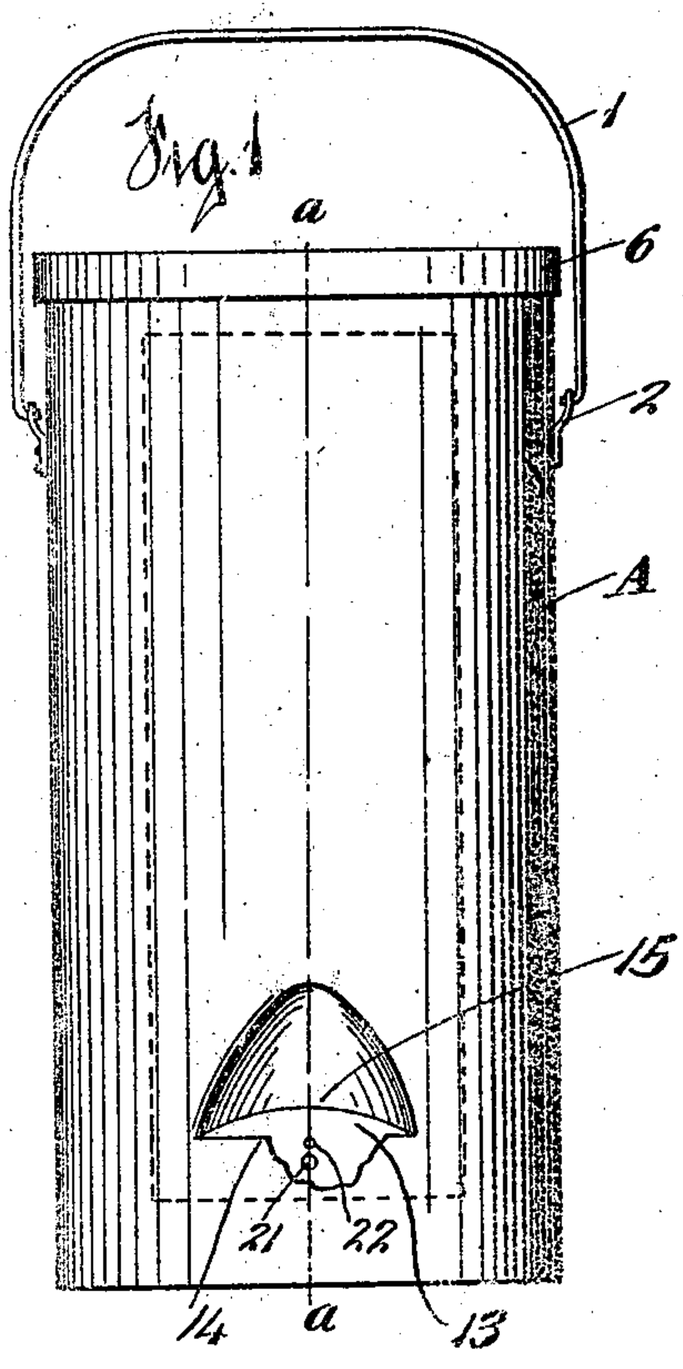


Fig. 3

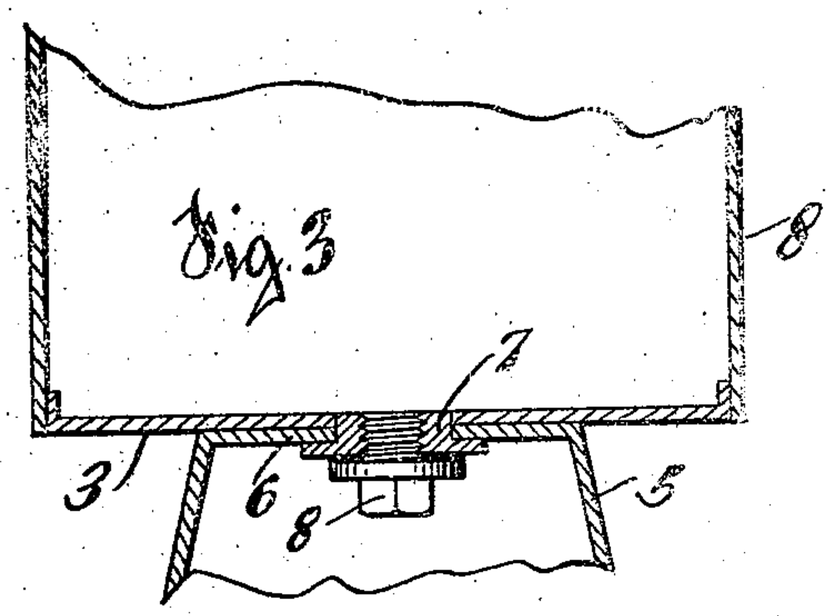


Fig. 4

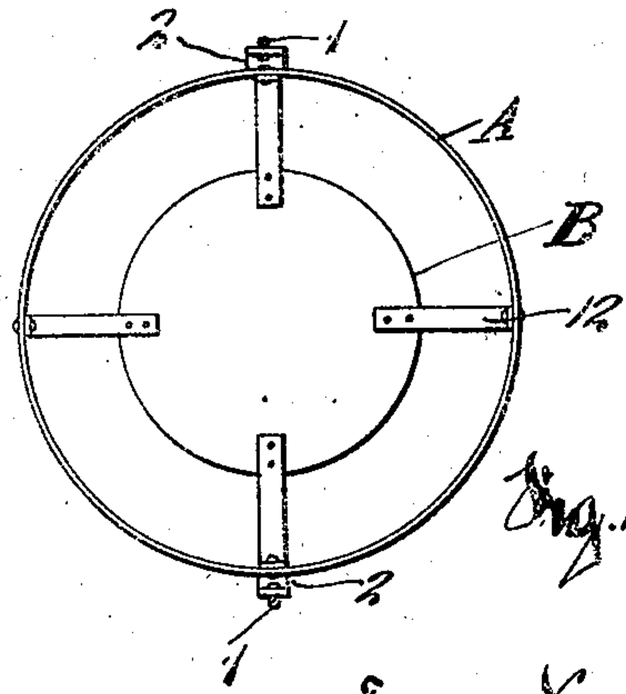
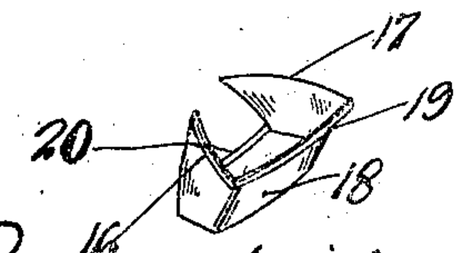


Fig 5



Witnesses

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UNITED STATES PATENT OFFICE.

GUY WINKLE, OF CINCINNATI, OHIO.

CHICKEN-WATERING FOUNTAIN.

1,154,825. Specification of Letters Patent. Patented Sept. 28, 1915.

Application filed August 6, 1914. Serial No. 855,402.

To all whom it may concern:

Be it known that I, GUY WINKLE, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented new and useful Improvements in Chicken-Watering Fountains, of which the following is a specification.

My invention relates to water fountains adapted for use in watering fowls, and more especially to that class of said fountains employed in watering chickens.

The object of my invention is to afford a chicken watering fountain, of convenient size, portable, automatic in the supply of water, non-freezing, and at the same time free of any liability of explosion and the setting and spread of fire as is the case with the fountains now in common use which are invariably heated in the winter time with kerosene lamps.

I accomplish the aforesaid object by means of the mechanism hereinafter described and illustrated by means of the accompanying drawing in which like reference characters represent like parts in all figures.

Figure 1 is a side elevation of my invention. Fig. 2 is a cross-section of my invention taken on the line *a—a* in Fig. 1. Fig. 3 is a detached portion of the lower end of the fountain as shown in Fig. 2 and enlarged for the purpose of showing more distinctly the water inlet mechanism of my invention. Fig. 4 is a plan view of the upper end of my invention with the lid removed. Fig. 5 is a detached view in perspective of the water cup of my invention.

In all figures, A is the outside shell.

B is the inside shell.

C is the lid for the outside shell.

1 is the bail of the outside shell. 2 is one of the lugs to which said bail is attached. It is to be noted that the inside fountain B is in an inverted position, 3 being the real top of it and 4 being its real bottom, but in its inverted position 4 is its top and 3 is its bottom.

5 is a tub-shaped support for the inside fountain B. Said support is in an inverted position, the real bottom 6 thereof being uppermost and directly engaging the bottom of said inside fountain to which it is attached by means of the threaded bushing which bushing passes through alining perforations in said engaging members.

8 is a bolt adapted to screw into said bushing and securely close the opening through which the water passes in filling said inside fountain.

9 is a flange extending laterally from the lower edge of said support and is adapted to engage the margin of the opening 10 in the bottom 11 of the outside shell A, to which margin it is securely soldered.

12 is one of several supports, having one end riveted to the inside face of said outside shell and the other end soldered to the top face of the top of said inside fountain and being thus adapted to support said inside fountain laterally and maintain it in its centrally located position within said outside fountain.

13 is an opening in said outside fountain effected by slitting it along the line 14 and then by hammering inward the upper lip 15 of said slit. The central portion of the lower edge of said hammered-in lip is soldered to the outside face of said inside fountain, and the lateral portions of said lower edge are soldered to the edges 16 and 17 of the cup 18, which cup is positioned in the open space between said fountains, the flanged upper edge 19 of said cup alining with the slitting line 14 and adapted to engage the upper edge of the lower lip of said opening 13, to which edge it is securely soldered. The flanged edge 20 of said cup 18 is soldered to the outside face of said inside fountain. Thus it is that said cup becomes adapted to hold water, and the opening 13 becomes adapted to receive the head of a chicken, so that said chicken can procure water from said cup for drinking purposes.

21 and 22 are perforations through the side of said inside fountain, each of said perforations being adapted to admit air that forces water out of the other, and this flow of water will continue until the water in said cup arises above the perforation 22, at which time said flow of water will cease. So soon as the water within said cup falls below said perforation 22, said flow of water as aforesaid will begin anew and continue

until it rises above said perforation 22, at which time said flow of water will again cease as aforesaid, and it is in this way that the filling of said water cup becomes automatic and will continue so as long as the water within said inside fountain rises above said perforation 21.

23 is an insulating filler between said inside fountain and said outside shell.

24 is an open space between said water cup and the side of said outside shell.

It is to be noted that the word "fountain" is used in two senses, one to designate specifically the inside fountain which contains the water and the other to designate in a broader sense the whole and entire apparatus.

Having thus described my invention by illustration, in detail and partially as a working mechanism, I will now describe it more fully as a working mechanism. By means of the bail said watering fountain can be hung on the arm and carried from place to place in the chicken inclosure and back and forth from the inclosure to the house. Said inside fountain is positioned within said outside shell for the purpose of producing an open space between the two adapted to receive an insulating filler. Said inside fountain and said outside shell being of different sizes both as to diameter and length, and the tub-shaped support being hollow, there is an open space entirely around the inside fountain, for the floor closes the lower open end of said tub-shaped support. The non-freezing quality of said fountain is in this way brought about. In the winter time the fountain is carried into the house and filled with warm water. It is then carried back to the chicken house. There it will remain all day without freezing, thus dispensing with the kerosene lamps. It is in this way that it becomes a non-explosive or safety fountain. In filling the fountain, it is turned top end down and bottom end up. By the use of a wrench the bolt 8 can be unscrewed and the inside fountain filled. The bolt 8 is then screwed into the bushing, and the fountain is ready to be transported to the chicken house. The open space 24 assists in preventing the water from freezing in said water cup, which freezing is further overcome by the constant flowing of water from said inside fountain into said cup to replace the water extracted therefrom by the chickens. The filler between said fountains can be any suitable material, such as dry saw-dust, chopped hay, mineral wool, or ground cork, and after said filling has been placed between said fountains the lid C is securely soldered to said outside fountain. It is to be noted, however, that it is not absolutely necessary to make use of said filler, as the open space alone between said inside fountain and said outside shell in some climates would be sufficient for all non-freezing purposes.

Having thus described more fully my invention as a working mechanism, what I claim is:—

1. In a chicken watering fountain and in combination; an inverted inside fountain, having a centrally positioned opening through one of its ends, a perforation through the side thereof near said perforated end, and another perforation through the side thereof a little above said first mentioned perforation when said fountain is in an inverted position; an internally-threaded, flange-headed bushing fitted into said opening; and a threaded bolt adapted to screw into said bushing; the flange of said bushing being adapted to engage the margin of said opening into which it is fitted, to which opening said flange is securely soldered; said bolt being adapted to prevent water from escaping from said fountain through said bushing; the lowermost of said perforations through the side of said fountain being adapted to afford an outlet for the water within said fountain; and said uppermost of said perforations through the side of said fountain being adapted to admit air into said fountain and thereby cause the water within said fountain to flow out of said fountain through said lowermost perforation through the side thereof.

2. In a chicken fountain and in combination; an outside shell having an opening through the bottom and another opening through the side thereof; an inverted tub-shaped cap fitted and attached to the margin of said opening through the bottom thereof; an inverted inside fountain having perforations one above another through the side thereof seated on said tub-shaped cap; alining openings through the inverted bottom of said cap and the inverted top of said fountain; any suitable stopper for said alining openings; a cup positioned between and attached to said shell and said fountain directly beneath said opening through the side of said shell and said perforations through the side of said fountain; and supports between and for said shell and said fountain.

3. In a chicken fountain and in combination; an outside shell having an opening through the bottom and another opening through the side thereof; an inverted tub-shaped cap fitted and attached to the margin of said opening through the bottom thereof; an inverted inside fountain having perforations one above another through the side thereof seated on said tub-shaped cap; alining openings through the inverted bottom of said cap and the inverted top of said fountain; any suitable stopper for said alining openings; a cup positioned between and attached to said shell and said fountain di-

rectly beneath said opening through the side of said shell and said perforations through the side of said fountain; any suitable filler between said shell and said fountain; and supports between and for said shell and said fountain.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GUY WINKLE.

Witnesses:
OLA A. FLUMMER,
EMMA MCCORD.