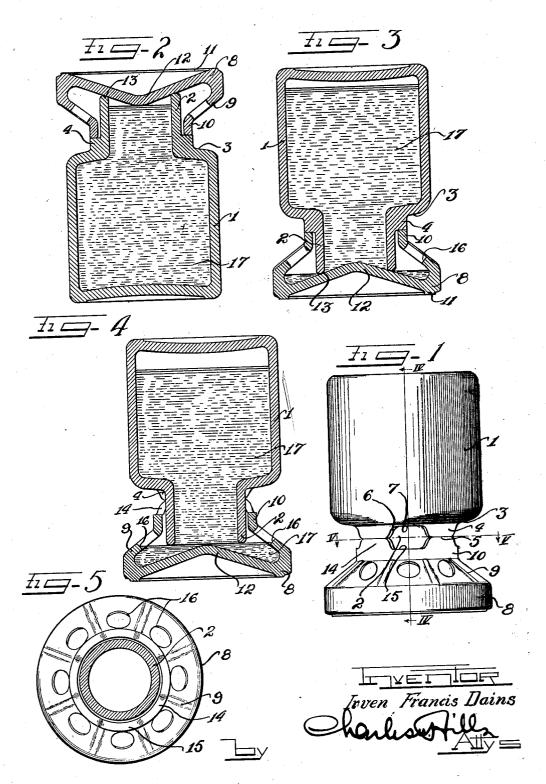
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DRINKING FOUNTAIN

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DRINKING FOUNTAIN

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drinking fountains, and more particularly to drinking fountains of the type commonly used for watering live-stock, poultry and the like, but the present invention is ob-viously adaptable for other and varied uses, as will be apparent to one skilled in the art.

In the past, devices of this type, wherein a container is filled and then inverted into a receiving base, have proven objectionable in that the filled container in most cases could not be inverted without an undue and undesirable amount of splashing. Moreover, these former devices necessitated an objec-15 tionable amount of time and labor to properly adjust the same for use.

This invention is designed to overcome the above noted defects and objections in the provision of a drinking fountain which may be filled and inverted with no resultant spilling of liquid.

The invention also seeks to provide a simple device of the class, described herein, wherein the container and receiving base 25 may be inverted in intimate contact with each other and then easily and readily adjusted to operative position.

It is also an important object of this invention to provide a device of the class described that is substantial, durable, and attractive

in appearance.
While some of the more salient features and characteristics of a device embodying this invention have been above pointed out, others will become apparent from the following disclosures.

The invention includes these and other features of construction and combinations of parts hereinafter described and shown in a preferred form in the drawings, as more particularly indicated by the claims.

On the drawings:

Figure 1 is a view in elevation of a device 45 embodying the principles of the present invention shown in operative position.

Figure 2 is a central vertical sectional view through the device and showing the same in its initial and inoperative position.

This invention relates to improvements in similar to Figure 2 but showing the device in inverted position.

Figure 4 is a central vertical sectional view taken substantially along the line IV-IV of Figure 1 showing the device in operative 55

Figure 5 is a plan sectional view taken substantially along the line V-V of Fig-

As shown on the drawings:

In the illustrated embodiment of this invention there is shown a container 1 for liquids and the like, having a neck-like portion 2 thereon and preferably integral therewith; thereby providing an annular shoulder 3 between the body of the container and the neck
portion. In this instance, there is provided
on the shoulder 3 substantially an annular collar of spaced ear-like projections 4 concentric with the neck portion 2 for a purpose 70 that will later appear. It is to be noted that the projections 4 have substantially flattened outer surfaces as at 5 and sloping side walls 6 which terminate in recesses 7 substantially of the same size as the projections 4. The 75 base portion of the recesses are also substantially flat.

To cooperate with the container 1, a receiving receptacle or base 8 is provided and is preferably, though not necessarily, formed 80 with a sloping annular wall 9 terminating in a neck portion 10. The bottom portion of the receiving base 8 is formed so as to provide a base ring or portion 11 upon which the receiving base rests, and an inwardly project- 85 ing conical portion 12 adapted to extend within the neck portion 2 of the container 1 to provide close and intimate contact between these portions as at 13.

The neck portion 10 of the base 8 is pro- 90 vided with spaced projections 14 which are similar in size and shape to the projections 4 on the container 1. Between the projections 14 are recesses 15 corresponding to recesses 7 between the projections 4. To provide ade 95 quate access to the liquid in the receiving base 8, the wall 9 thereof is provided with

a plurality of apertures 16.

The container and receiving base may be Figure 3 is a central vertical sectional view made of any desirable material, and it is 100

found desirable in many instances to make construed as limited to the exact details of these members of earthenware, or the like. After the formation of the container and receiving base, the earthenware is usually 5 glazed on its outer surface to enhance the appearance of the objects. The projections 4 and 14, however, and the walls of the recesses 7 and 15 are preferably, though not necessarily, left unglazed or in their rough-10 ened state to aid in maintaining the container upon the receiving base by the establishment of a higher coefficient of friction between the adjacent surfaces thereof. Furthermore, with the two members made of 15 crockery or the like, the liquid within the container may be easily kept at a relatively low temperature.

In the operation of the present invention, the container 1 is set in upright position, as shown in Figure 2, and filled with a desirable liquid 17. The receiving base 8 is then set over the neck 2 of the container in inverted position, the diameter of the neck portion 10 being sufficiently large to provide a short 25 clearance space between the respective neck portions 10 and 2. When in this position, the projections 14 are positioned so as to fit within the recesses 7 in the container, and the projections 4 on the container are received 30 by the recesses 15 in the neck portion 10 of the receiving base. The conical portion 12 of the base will then project within the neck of the container to provide a substantially water-tight fit; as at 13. The container and 33 base may be then simultaneously inverted to the position shown in Figures 1, 3 and 4 with no resultant spilling of the liquid 17. The container 1 is next rotated until the projections 4 of the container rest upon the projections 14 of the receiving base. This rotation of the container is accomplished comparatively easily, inasmuch as the sloping walls 6 of the projections 4 will readily ride up and over the sloping walls of the projections 14. When the container is so elevated, the neck 2 thereof will be spaced from the conical portion 12 of the base, thereby permitting the liquid 17 to flow into and substantially fill the lower portion of the base to a point adjacent the apertures 16. Due to the flattened adjacent surfaces 5 on the projections 4 and 14 these projections will not have a tendency to slip from their balanced position, due to 55 the action of gravity thereon. Of course, due to atmospheric pressure, the liquid will

not flow through the apertures 16. It will be apparent from the foregoing that I have provided a drinking fountain or the 30 like which may be filled and inverted with no danger of spilling the contents thereof, and simply and easily adjusted into operative position by a slight rotation of the container. It is to be clearly understood, how-

construction shown and described herein.

It is to be further understood that the spirit of this invention contemplates the positioning of projections, ears, lugs and the 70 like at any convenient place between the receptacle and the base or any rotatable element to maintain the two members in spaced relationship.

The invention hereinabove set forth be- 75 sides being simple in operation, may be easily and economically manufactured.

I am aware that many changes may be made and numerous details of construction may be varied through a wide range without 80 departing from the principles of this invention, and I, therefore, do not purpose limiting the patent granted hereon, otherwise than necessitated by the prior art.

I claim as my invention: 1. In a device of the character described, a liquid container, a receiving base cooperable with said container; a neck on said container for initial intimate contact with the bottom of said base, means on said container, and 90 means on said base cooperable with said first mentioned means to elevate said neck into spaced relationship with said bottom and retain this relationship, said means becoming effective upon a slight rotation of said 95 container.

2. In a device of the character described, ar liquid container having an outlet, a receiving base cooperable with said container and for initially intimately contacting said 100 container so as to close said outlet, and a set of spaced projections having arcuate side edges on each of said container and base, the projections of one set initially seating in the spaces between the projections of the opposite 105 set, whereby when said container is slightly rotated said projections will elevate and maintain said container in spaced relationship to said base.

3. A poultry fountain comprising a pan 110 having an upper horizontal edge provided with circumferentially spaced notches, each notch having one end inclined; and an inverted reservoir having its mouth extending into the said pan and having intermediate 115 its height an annular shoulder seating on the said pan edge; the reservoir having circumferentially spaced lugs depending from the said shoulder and respectively housed by the said notches, one end of each lug and the 120 notch end adjacent thereto being similarly inclined.

4. A two-part poultry fountain comprising as one member a pan including in its side a raised and perforated annular wall portion 125 overhanging the bottom of the pan, and an inverted reservoir having its mouth disposed within the pan adjacent to the bottom of the pan and having an annular shoulder above c5 ever, that the present invention is not to be the said mouth adapted to rest on the upper 130 1,834,516 3

edge of the said pan side, the said shoulder having downwardly projecting lugs and the said upper edge of the pan side having recesses respectively entered by the lugs when the said shoulder rests on the said top, the lugs being adapted to rest on parts of the said upper edge of the pan side between the recesses to support the reservoir on the pan with the mouth of the container disposed at a predetermined greater height above the pan bottom.

5. A two-part poultry fountain comprising as one member a pan including a perforated annular portion overhanging the bottom of the pan having a tubular riser upon the inner edge of the said annular portion, and an inverted reservoir having its mouth disposed within the pan and having an annular horizontal shoulder above the said mouth and 20 adapted to seat on the top of the tubular riser when the said mouth is disposed close to the bottom of the pan; the said riser top having circumferentially spaced notches and the reservoir having lugs projecting downwardly from the said shoulder and respectively entering the said notches when the reservoir is in its aforesaid disposition; the lugs being also adapted to seat on parts of the said riser top between the notches in the 30 latter to support the reservoir with the mouth of the latter spaced further from the pan

6. A poultry fountain comprising a pan having an upper horizontal edge provided with circumferentially spaced notches, each notch having one end inclined; and an inverted reservoir having its mouth extending into the said pan and having intermediate its height an annular shoulder seating on the said pan edge; the reservoir having circumferentially spaced lugs depending from the said shoulder and respectively housed by the said notches, one end of each lug and the notch end adjacent thereto being similarly inclined circumferentially of the reservoir to afford coacting cam surfaces for causing rotation of the reservoir with respect to the pan in one direction to raise the reservoir until the bottoms of the lugs seat on the

said upper pan edge.

7. A poultry fountain comprising a pan having an upper horizontal edge provided with circumferentially spaced notches, each notch having one end inclined; and an inverted reservoir having its mouth extending into the said pan and having intermediate its height an annular shoulder seating on the said pan edge; the reservoir having circumferentially spaced lugs depending from the co said shoulder and respectively housed by the said notches, one end of each lug and the notch end adjacent thereto being similarly inclined, and that portion of the reservoir immediately below the said annular shoulder closely approximating the bore of the said

upper pan edge so as to center the reservoir on the pan.

8. A poultry fountain comprising a pan having an upper horizontal edge provided with circumferentially spaced notches, each 70 notch having one end inclined; and an inverted reservoir having its mouth extending into the said pan and having intermediate its height an annular shoulder seating on the said pan edge; the reservoir having circum- 75 ferentially spaced lugs depending from the said shoulder and respectively housed by the said notches, one end of each lug and the notch end adjacent thereto being similarly inclined circumferentially of the reservoir to afford coacting cam surfaces for causing rotation of the reservoir with respect to the pan in one direction to raise the reservoir until the bottoms of the lugs seat on the said upper pan edge, and with that portion of the reservoir immediately below the said annular shoulder closely approximating the bore of the said upper pan edge so as to center the reservoir on the pan.

9. A two-part poultry fountain compris- 90 ing as one member a pan including in its side a raised and perforated annular wall portion overhanging the bottom of the pan, and an inverted reservoir having its mouth disposed within the pan adjacent to the bottom of the 95 pan and having an annular shoulder above the said mouth adapted to rest on the upper edge of the said pan side, the said shoulder having downwardly projecting lugs and the said upper edge of the pan side having recesses respectively entered by the lugs when the said shoulder rests on the said top, the lugs being adapted to rest on parts of the said upper edge of the pan side between the recesses to support the reservoir on the pan 105 with the mouth of the container disposed at a predetermined greater height above the pan bottom, and the said lugs and recesses having inclined end walls cooperating with a cam action for raising the reservoir from its first 110 named to its second named position when the reservoir is partially rotated upon the pan.

10. A two-part poultry fountain comprising as one member a pan including a perforated annular portion overhanging the bottom of the pan having a tubular riser upon the inner edge of the said annular portion, and an inverted reservoir having its mouth disposed within the pan and having an annular horizontal shoulder above the said 120 mouth and adapted to seat on the top of the tubular riser when the said mouth is disposed close to the bottom of the pan; the said riser top having circumferentially spaced notches and the reservoir having lugs projecting downwardly from the said shoulder and respectively entering the said notches when the reservoir is in its aforesaid disposition; the lugs being also adapted to seat on parts of the said riser top between the notches in the 130

latter to support the reservoir with the mouth of the latter spaced further from the pan bottom, and a neck portion on the said reservoir below the said shoulder and approximately fitting the bore of the tubular riser to center

the reservoir on the pan.

11. A two-part poultry fountain comprising as one member a pan including a perforated annular portion overhanging the bot-10 tom of the pan having a tubular riser upon the inner edge of the said annular portion, and an inverted reservoir having its mouth disposed within the pan and having an annular horizontal shoulder above the said 15 mouth and adapted to seat on the top of the tubular riser when the said mouth is disposed close to the bottom of the pan; the said riser top having circumferentially spaced notches and the reservoir having lugs projecting downwardly from the said shoulder and respectively entering the said notches when the reservoir is in its aforesaid disposition; the lugs being also adapted to seat on parts of the said riser top between the notches in the latter to support the reservoir with the mouth of the latter spaced further from the pan bottom, the notches and the lugs engaged thereby having inclined ends adjacent to one another when the reservoir is in its first 30 named disposition; the adjacent inclined ends of the lugs and notches being adapted to engage with a cam action when the reservoir is rotated in one direction, so as to raise the reservoir and to cause the lugs to ride up to and upon portions of the riser top between the

In testimony whereof I have hereunto subscribed my name at Chicago, Cook County,

Illinois.

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