G. L. OWENS.

MEDICINE DISTRIBUTER FOR STOCK.

APPLICATION FILED APR. 2, 1910.

985,201. Patented Feb. 28, 1911.

Fig. 2.

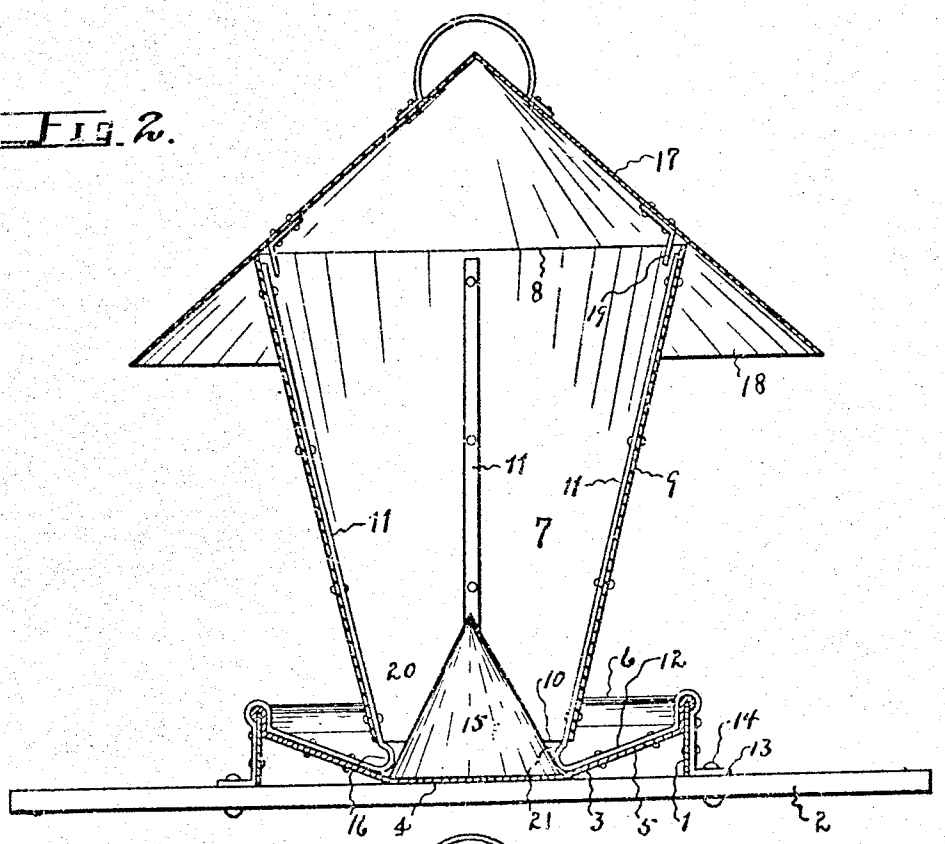
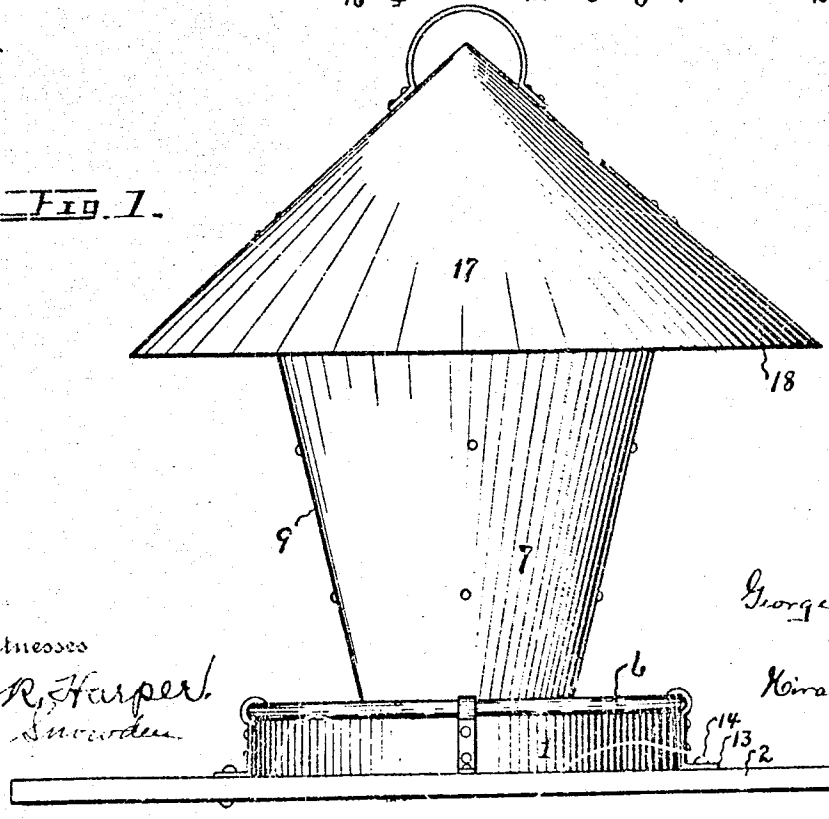



Fig. 1.




Witnesses

C. R. Harper.

J. Snowden.

Inventor

George L. Owens,

By

Hiram A. Sturges,

Attorney.

# UNITED STATES PATENT OFFICE.

GEORGE L. OWENS, OF VILLISCA, IOWA.

## MEDICINE-DISTRIBUTER FOR STOCK.

985,201. Specification of Letters Patent. Patented Feb. 28, 1911.

Application filed April 2, 1910. Serial No. 553,116.

*To all whom it may concern:*

Be it known that I, GEORGE L. OWENS, a citizen of the United States, residing at Villisca, in the county of Montgomery and State of Iowa, have invented certain new and useful Improvements in Medicine-Distributers for Stock, of which the following is a specification.

This invention relates to a medicine distributer for stock and more particularly for hogs, and has for its object to provide a metallic feeding tank adapted to contain a pulverized or granulated medicine or remedy, housed from the weather and so constructed that the contents of the tank will be uniformly distributed within the feeding pan, the distribution being controlled by the weight of the contents which gradually pass downward through a wedge-shaped chamber, as the material is consumed or removed from the feeding pan.

While the device is particularly useful for reliably distributing medicines to stock, it is obvious that it could be used to advantage for feeding poultry, sheep and other like domestic animals.

The invention also has reference to a provision of parts which may be conveniently manufactured and may be readily assembled.

The invention consists of the novel construction, combination and arrangement of parts as described herein and claimed, and as illustrated in the drawing, it being understood that changes in form, size, proportion and minor details may be made within the scope of the claims without departing from the spirit of the invention or sacrificing any of its advantages.

In the accompanying drawing, Figure 1 is a side elevation of a medicine distributer embodying my invention. Fig. 2 is a vertical sectional view of the device.

Referring now to the drawing for a more particular description, numeral 1 indicates an upright annular supporting wall of a suitable height, the lower edge of said wall being seated on platform 2. At 3 is indicated an annular base-plate and the flat middle-portion 4 thereof is adapted to have a seating upon platform 2, the portion 5 of the base-plate being formed inclinedly with reference to portion 4 and extending outwardly and upwardly to the upper part of wall 1, and preferably terminating in a roll 6 to cover the upper part of said wall. The inclined annular portion 5 of the base-plate provides a feeding-pan and when the device is used the material therein, on account of the inclination or pitch mentioned, will normally remain at the bottom of the pan. On account of the rolled terminal of inclined portion 5, it provides a smooth and finished appearance.

I provide a container or receptacle 7, the same having an open top 8, and formed with a downwardly convergent annular wall 9, the lower terminal thereof being indicated at 10. The container is maintained in a position adjacent to and elevated above base-portion 4 by means of a plurality of radially-disposed brackets 11. These brackets may have any suitable length, and extend longitudinally of and parallel with wall 9; they preferably are mounted upon the inner side of the wall and are each formed with a lower portion 12 adapted to have a seating radially upon inclined portion 5 of the base-plate, and inclined portions 12 of the brackets are extended and are adapted to pass over roll 6 of the pan and are each provided with an angular terminal 13 which may be secured to the platform as by keepers 14. As thus described, receptacle 7 is provided with a rigid mounting upon the platform and by reason of a series of rivets plainly shown in the drawing, the brackets are secured to the wall 9 of the container, to the feeding pan and to the supporting wall.

I provide the distributing device 15, and the same may be cone shaped: its bottom is adapted to have a seating upon the flat portion 4 of the base-plate 3, at the middle and below terminal 10 of the receptacle; and when assembling the parts, member 15, after the receptacle and brackets thereon have been secured, will be maintained in its normal position, since brackets 11 are provided with inwardly curved portions 16 overhanging the depressed portion 4 of the pan and adapted to have bearings upon the lower part of said member 15.

At 17 is indicated a cover which has a portion 18 extended beyond wall 9 and adapted to overhang the feeding pan, thereby forming a water-shed. Upon the inner side of cover 17 are provided flanges or brackets 19 for engaging the inner side of wall 9.

It will be noted that by reason of the construction as described, a downwardly convergent annular containing chamber 20 is provided intermediate the upwardly con-

vergent wall of member 15 and the downwardly convergent wall of receptacle 7 whereby material when placed in the receptacle, will normally be retarded in its downward movement while passing aperture 21 between the lower terminal of the receptacle and the base-plate, and this is a desired result for the reason that only so much of the material will be exposed within the pan as may be required for feeding purposes. Also it will be noted that by means of the construction, the lower terminal of the receptacle may be maintained in a fixed position at an altitude above the bottom of the pan and outwardly of the wall of member 15, said terminal being in a plane below roll 6.

While the device is particularly adapted for the feeding of granulated or powdered medicine to stock it is understood of course that it may be used to advantage for stock feeding in general.

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

1. A medicine distributer for stock, comprising an annularly formed feeding pan having an annular, depressed middle portion; a cone-shaped distributing member disposed centrally of the feeding pan; a plurality of brackets disposed radially of and secured upon the bottom of the pan, said brackets having inwardly-projecting portions overhanging the depressed annular middle portion of said pan adapted to make contact with the cone-shaped distributing member, and provided with supporting-arms inclined uniformly upward and outward therefrom; a casing having a wall formed downwardly-convergent in a degree corresponding to the pitch of and mounted upon said supporting arms, its lower terminal being disposed adjacent to and above the base of said distributing member, the contact with the distributing member of the inwardly projecting portions of said brackets operating to secure said distributing member upon the depressed middle portion of said feeding pan.

2. A medicine distributer for stock, comprising, in combination with a platform, an annular reinforcing band disposed edgewise upon the platform; an annular plate having a peripheral roll seated upon said band and formed with a depressed middle portion; a cone-shaped member disposed centrally of said annular plate; a plurality of brackets disposed radially of and secured upon said annular plate and extending over said peripheral roll for a mounting upon said reinforcing band and said platform, said brackets having inwardly curved portions overhanging the depressed annular middle portion of said annular plate adapted to have bearings upon the wall of said cone-shaped member, and provided with supporting-arms extending upwardly and inclined outwardly uniformly from said inwardly curved portions; and an upright annular casing having a wall formed downwardly convergent in a degree corresponding to the pitch of and mounted upon said upwardly extending, outwardly inclined supporting arms, the lower terminal of said casing being disposed adjacent to the feeding pan and the cone-shaped member, the bearings upon the wall of the cone-shaped member of the inwardly curved portions of said brackets operating to secure said cone-shaped member upon the depressed middle portion of said annular plate.

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

GEORGE L. OWENS.

Witnesses:
M. L. Wahlstrom,
F. E. Shane.