Sept. 4, 1951 O. L. GOMER 2,566,446

FEEDING DEVICE

Filed June 2, 1949

Fig. 1.

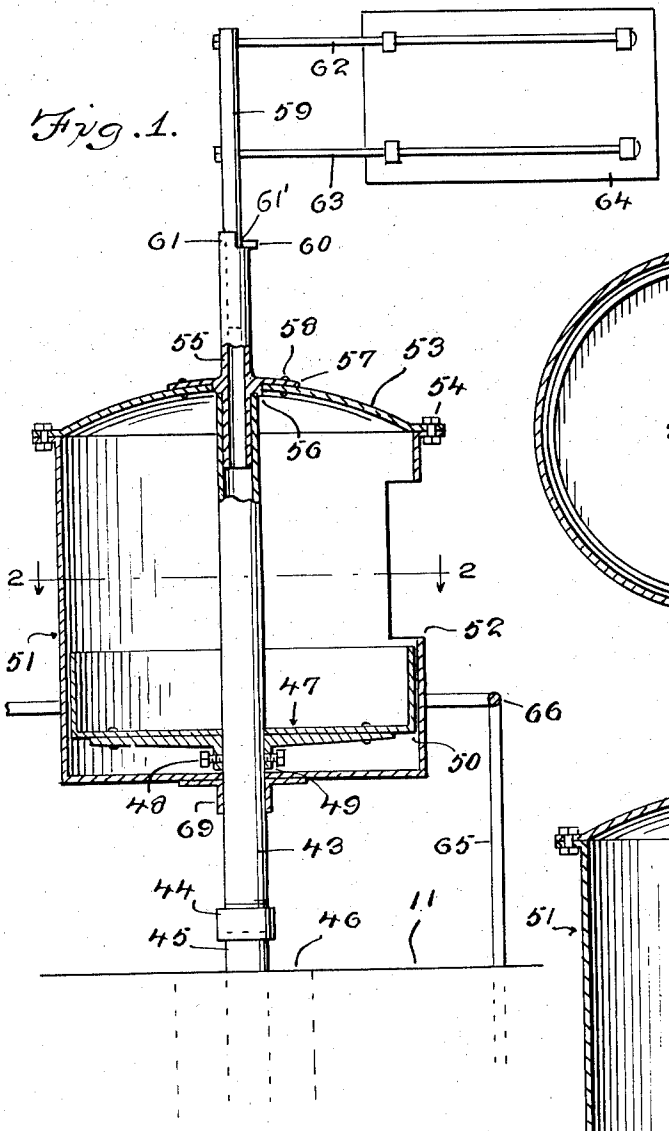


Fig. 2.

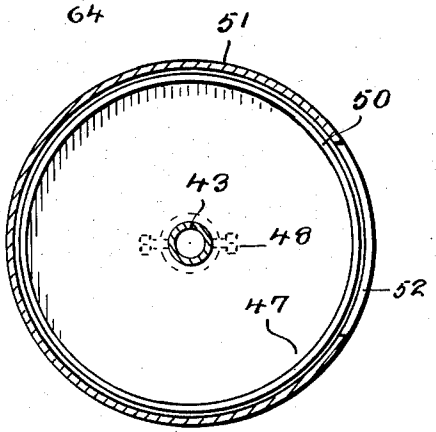
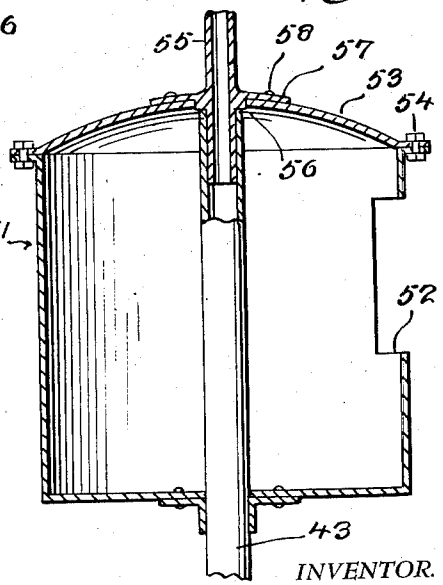


Fig. 3.



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FEEDING DEVICE

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1 Claim. (Cl. 119—51)

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This invention relates to a device for holding feed for livestock and the like.

The object of the invention is to provide a feed holder which will protect the unused portion of the feed or the feed prior to its consumption by the animals against exposure to rain, snow, and dirt.

Another object of the invention is to provide a holder which is constructed so that the unused feed therein, such as mineral or salt, will not be exposed to adverse weather, such as rain, snow or dirt.

A further object of the invention is to provide a feed holder which is extremely simple and inexpensive to manufacture.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings, forming a part of this application, and in which like numerals are used to designate like parts throughout the same:

Figure 1 is a vertical sectional view of a modified form of the device;

Figure 2 is a sectional view taken on the line 2—2 of Figure 1;

Figure 3 is a fragmentary vertical sectional view of the device of Figure 1, but showing the housing with the feed holding container removed.

Referring to the Figures 1 through 3 of the drawings, there is shown a form of a feeding device. This feeding device embodies a vertically disposed hollow standard 43 which is supported on a vertically disposed casing 45, there being a bushing 44 arranged in threaded engagement with the abutting ends of the standard 43 and casing 45. The casing 45 is embedded in a suitable base 46 of concrete or the like.

Arranged intermediate the ends of the standards 43 and rotatably connected thereto, is a horizontally disposed container 47 for holding feed and the like therein. The container 47 has a lower annular flange 49 which surrounds the standard 43 and screws or headed bolts 48 project through the flange 49 to insure that the container 47 will be correctly aligned on the standard 43. The container 47 includes an upstanding vertically disposed flange 50 which serves to hold the feed in the container 47.

Arranged in surrounding relation with respect to the container 47 is a housing 51, the housing 51 being mounted for rotation about a vertical axis. The housing 51 is provided with an opening 52 whereby the animals can gain access to the food in the container 47. The housing 51 has a cover or cap 53 closing the top thereof, and a plurality

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of securing elements, such as bolt and nut assemblies 54, detachably connect the cover 53 to the housing 51. A guide flange 69 is secured to the bottom of the housing 51.

A collar 55 has its lower end projecting down into the upper end of the standard 43 and the collar 55 is provided with an annular shoulder 56 intermediate its ends, the shoulder 56 resting on the upper end of the standard 43. Secured to the collar 55 is a skirt portion 57 which is arranged contiguous to the upper surface of the cover 53, and suitable securing elements, such as rivets 58, secure the skirt portion 57 to the cover 53, so that as the collar 55 rotates, the housing 51 will rotate in unison therewith.

A stem 59 is provided with a pin 60 and the pin 60 is arranged in engagement with the lip 61 that projects upwardly from the collar 55, the pin 60 and lip 61 coacting or operating in the same manner as the previously described pins 34, 34' and lip 31. A pair of arms or rods 62 and 63 each have one end connected to the stem 59 and the rods 62 and 63 carry a vane 64. The lip 61 defines a recess 61' which provides for a slight lost motion.

Arranged in spaced relation about the housing 51 is a plurality of vertically disposed spaced parallel legs 65 and the legs 65 support a horizontally disposed annular rail 66, the rail 66 serving to prevent animals and the like from damaging the feeding device.

In using the feeding device of Figures 1 through 3, mineral, salt, or other food is placed in the container 47 for the livestock. Then, the livestock can gain access to the food in the container 47 through the opening 52 in the housing 51. The vane 64 will be blown by the wind into the same direction that the wind is blowing so that the housing 51 will be rotated therewith whereby the opening 52 will not be facing directly into the wind, so that rain, snow, dirt and the like will not enter the housing and contaminate the food in the container 47. Further, the cover 53 is detachably connected to the housing 51 by means of the bolt and nut assemblies 54 so that the cover 53 can be removed when it is desired to remove or replace the container 47. Further, the construction of this feeding device is such that the device can be moved readily from one location to another. The guard rail 66 serves to prevent the feeding device from becoming damaged.

I claim:

In a feed holder, a casing adapted to be embedded in a base, a vertically disposed hollow standard supported on said casing, a bushing arranged in threaded engagement with the abut-

ting ends of said standard and casing, a horizontally disposed container for holding feed arranged intermediate the ends of said standard, a housing arranged in surrounding relation with respect to said container and mounted for rotation about a vertical axis, said housing being provided with a lateral opening, a cap mounted on the top of said housing, a guide flange surrounding said standard and secured to the bottom of said housing, a collar having its lower end projecting down into the upper end of said standard and provided with an annular shoulder intermediate its ends resting on the upper end of said standard, a skirt portion secured to said collar and to said cap, the upper portion of said collar being provided with an upstanding lip defining a recess, a stem received in said collar and projecting upwardly therefrom, a pin arranged at right angles with respect to said stem and projecting therefrom and in engagement with said recess, and a horizontally disposed vane attached to said stem.

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