

UNITED STATES PATENT OFFICE.

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HOG-TROUGH.

997,380.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES L. EYESTONE, citizen of the United States, residing at Leola, in the county of McPherson and State of South Dakota, have invented certain new and useful Improvements in Hog-Troughs, of which the following is a specification.

This invention relates to improvements in feeding troughs, more particularly for feeding hogs, and has for one of its objects to provide a device of this character which is reversible so that a feeding space is presented upwardly no matter in which position the trough may be placed.

Another object of the invention is to provide a device of this character in which the habit of the hog to overturn the trough after the feed has been exhausted is utilized to cause the cleansing of the trough.

With these and other objects in view that will more fully appear as the description proceeds, the invention consists in certain constructions and arrangements of the parts that I shall hereinafter more fully describe and then point out the novel features in the appended claim.

For a full understanding of the invention and the merits thereof, reference is to be had to the following description and accompanying drawing, in which:

Figure 1 is a perspective view of one of the improved troughs; Fig. 2 is a transverse section on the line 2—2 of Fig. 1.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing by the same reference characters.

The improved trough may be constructed of any suitable material and of any required size, but is preferably constructed of sheet metal of suitable gage to withstand the strains to which it will be subjected, and for the purpose of illustration a trough constructed of this material is shown. The improved trough comprises three portions, an intermediate body portion and end portions. The body portion is bent into N like shape so that two independent V receptacles 10—11 are produced with one division wall 12, common to both receptacles and the receptacles are reversely arranged or opening from opposite sides as shown more particularly in Fig. 2. The outer walls 13—14 of the receptacles at their free edges are rolled over, as shown at 15—16, the object to be

hereafter explained. At its ends the intermediate body is flanged, one of the flanges being shown at 17, and bearing against the flanged ends of the body are end members 18—19, each being formed of a sheet metal plate having the upper and lower edges extending in parallel relations, the edges of the members 18—19 thus constituting the supports for the improved trough and retaining the body in position with either one of the V-receptacles 10 or 11 upwardly. The end members 18—19 are riveted or otherwise secured to the flanges 17 as represented at 20, and the terminals of the end members are directed inwardly as represented at 21 and riveted or otherwise secured as shown at 22 to the turned over edges 15—16 of the body. By this means, the bearing surfaces of the end members 18—19 are materially increased, while at the same time the turned over edges 15—16 of the body are strengthened and reinforced. By this simple arrangement, it will be noted, that a two sided trough is produced which will present a receptacle for the feed no matter which side is presented upward.

In the feeding of hogs, it is well known that the animals almost invariably overturn the trough after the feed has been exhausted in their efforts to gather what has been spilled upon the ground, or from other causes, and in the improved trough this habit of the animals is utilized to cause them to empty the receptacle 10 or 11 as the case may be, from which they have just been fed, so that no food particles remain in the trough.

The improved device is simple in construction, can be inexpensively manufactured, and of any required size or capacity, and operates effectively for the purposes described.

A chain 23 may be connected to the trough to enable the latter to be movably secured, while at the same time not interfering with the overturning of the trough. The inwardly directed portions 15—16 are an important feature of the improved device, as these overhanging portions provide for the easy overturning of the trough when the nose of the animal is placed beneath the overhanging portions, and as the overturning of the trough is a desirable feature in the improved trough, the advantage and importance of the overhanging portions are

obvious. The overturning of the trough also prevents all danger of freezing any surplus feed.

Having thus described the invention, what
5 is claimed as new is:

A feed trough formed of an intermediate
N-shaped body with the free edges directed
inwardly, members having their side edges
extending in parallel relations and secured
10 to the body and forming the ends thereof,

the terminals of said members being directed inwardly and secured to the inwardly directed edges of the body.

In testimony whereof, I affix my signature in presence of two witnesses.

CHARLES L. EYESTONE. [L. s.]

Witnesses:

E. C. SIGLER,

A. HOFFMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
