

Dec. 25, 1951

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2,580,106

HOG FEEDER TROUGH

Filed April 3, 1950

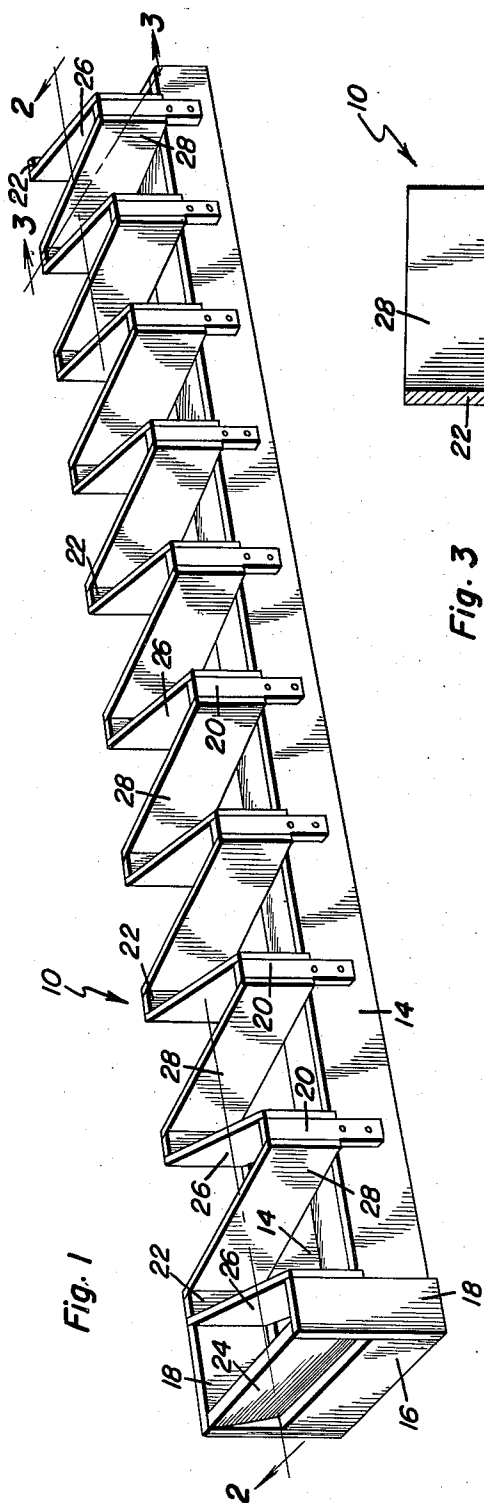


Fig. 1

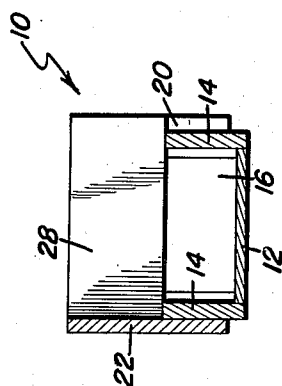


Fig. 3

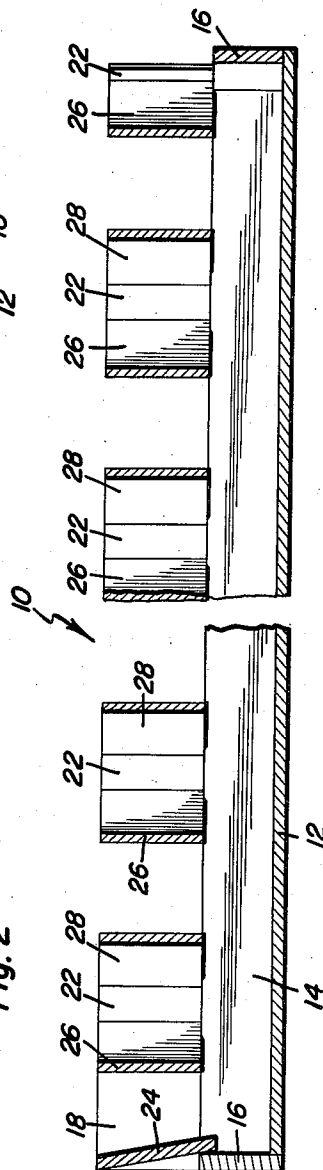


Fig. 2

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UNITED STATES PATENT OFFICE

2,580,106

HOG FEEDER TROUGH

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Application April 3, 1950, Serial No. 153,700

2 Claims. (Cl. 119-61)

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This invention comprises novel and useful improvements in a hog feeder trough and more specifically pertains to a hog feeding trough providing individual feeding compartments for insuring equal opportunities for feeding to a plurality of hogs or other stock.

The principal object of this invention is to provide an improved construction for dividing a hog feeding trough into a plurality of individual compartments whereby the individual animals may have uniform freedom and opportunity for undisturbed feeding.

A further object of the invention is to provide an improved hog feeding trough in which the desired segregation or individual feeding compartments may be obtained in a simple, effective and inexpensive manner.

These, together with various ancillary features and objects of the invention, which will later become apparent as the following description proceeds, are attained by the present invention, a preferred embodiment of which has been illustrated, by way of example only, in the accompanying drawings, wherein:

Figure 1 is a perspective view showing a hog feeding trough having the principles of this invention applied thereto;

Figure 2 is a vertical central longitudinal sectional view taken substantially upon the plane indicated by the section line 2-2 of Figure 1; and

Figure 3 is a vertical transverse sectional view taken substantially upon the plane indicated by the section line 3-3 in Figure 1.

Referring now more specifically to the accompanying drawings, wherein like numerals designate similar parts throughout the various views, it will be seen that the numeral 10 indicates generally the improved hog feeding trough incorporating therein the principles of this invention.

This trough which is preferably composed of an elongated, substantially rectangular receptacle may conveniently comprise the customary bottom wall 12, side walls 14 and end walls 16, all of conventional and known design. Preferably, although not necessarily, the two side walls 14 are of the same height as are the end walls 16, although these proportions can be varied as deemed to be expedient.

In adapting this conventional receptacle for the purposes of this invention, there are secured in any convenient manner as by nailing or the like, to the pair of side walls 14 at one end thereof, a pair of vertical standards 18. One standard

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18, is relatively narrow in width, while the other may be of considerably greater width.

Extending along one side 14 of the receptacle, such as that side to which the narrow standard 18 is secured, are a plurality of uniform, vertical standards, which are evenly spaced longitudinally of the side wall, these standards being indicated by the numeral 20. Upon the opposite side wall 14, there are secured a similar set of vertical standards 22 which are likewise spaced at the same distances, and are of the same dimensions as the standards 20, but are staggered with respect thereto.

A splash plate 24 is secured between the two end standards 18, and extends from substantially the top edge thereof to a point inside of and below the top edge of the adjacent end wall 16. This splash plate assists in filling the feed trough with swill or other feed.

A plurality of plates are connected between the standards 20 and 22. One set of these plates, as shown by the numeral 26, have their lower edges extending across and resting upon the upper edges of the side walls 14, and have one end secured to the edge of the standard 18, and to the corresponding edges of the standards 20; and their other edges are secured to the edge of the other standard 18, and to the adjacent edges of the standards 22. It will thus be seen that the series of plates 26 extend transversely across the receptacle, rest upon the upper edges of the side walls thereof, and are disposed in parallel relation at an acute angle to the side walls 14.

A similar set of plates 28 rest upon the upper edges of the side walls 14, and are secured at their ends to the adjacent edges of the standards 20 and 22, and it will be seen that the adjacent plates 26 and 28 are relatively inclined with respect to each other and in opposite directions, each of these plates being exposed at an acute angle to the perpendicular to the side walls.

By specific reference to Figure 1, it will be seen that the space between the two standards 18, the plates 24 and 26 provide a filling chute by means of which the trough 10 may be readily filled, the feed passing between the side walls 14 and below the lower edges of the plates 26 and 28 in a manner which will be readily apparent.

It will be further seen that each of the adjacent plates 26 and 28, provides a wedge shaped compartment and constitutes side walls of the same for dividing into equal wedge shaped portions the opening in the top of the receptacle. It

will be further seen that these wedge shaped compartments are staggered, that is, have their open sides on opposite sides successively of the trough.

By means of this construction, it will be seen that a plurality of hogs or other animals may be fed from a single trough and that the same feeding area will be allotted to each of the hogs. Further, two rows of hogs, one on each side of the trough may be interdigitated or staggered with respect to each other to obtain the maximum feeding from a single trough. By means of the common feeding trough beneath the plates 26 and 28, the feed will evenly distribute itself throughout the length of the trough so as to insure the same supply to all of the animals being fed.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art after a consideration of the foregoing specification and accompanying drawings, it is not desired to limit the invention to the exact construction shown and described, but all suitable modifications and equivalents will be resorted to, falling within the scope of the appended claims.

Having thus disclosed and described the invention, what is claimed as new is as follows:

1. A feed trough comprising an elongated receptacle having bottom, side and end walls, standards secured to said side walls upon the ex-

terior surface thereof and rising thereabove, plates secured to the opposite sides of said standards and extending transversely across said receptacle and resting upon the side walls thereof to define side walls of individual compartments, each of said compartments having an opening in its side walls at one side of said receptacle, the standards on one side wall being staggered with respect to those on the other side wall, said plates being relatively reversely angled to define wedge-shaped compartment, a splash plate extending transversely of said receptacle between the end standards on each side wall, said splash plate having its lower end within said receptacle and below the upper edge of the adjacent end wall.

2. The combination of claim 1 wherein said splash guard and the adjacent end standards and adjacent plate define a continuous peripheral wall comprising a filling hopper for said receptacle.

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25 The following references are of record in the file of this patent:

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