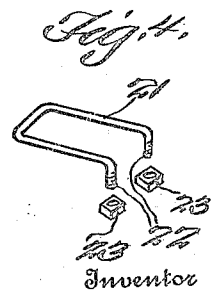
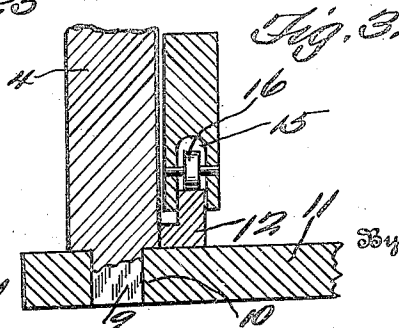
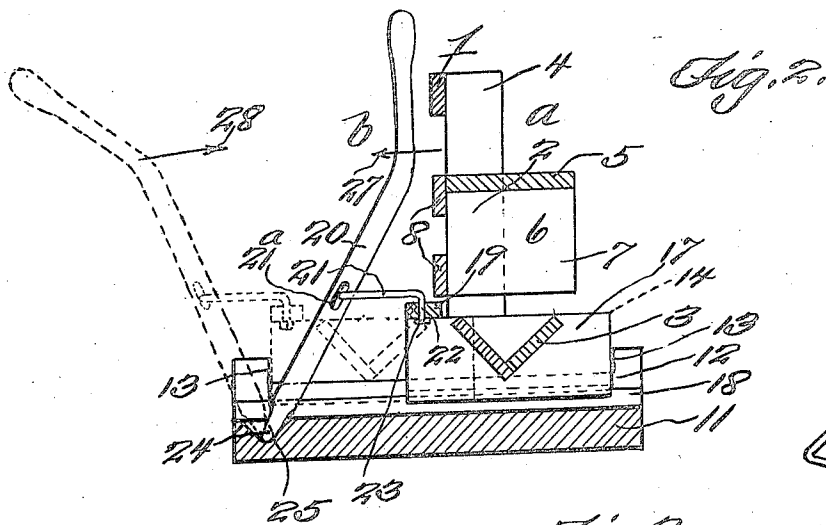
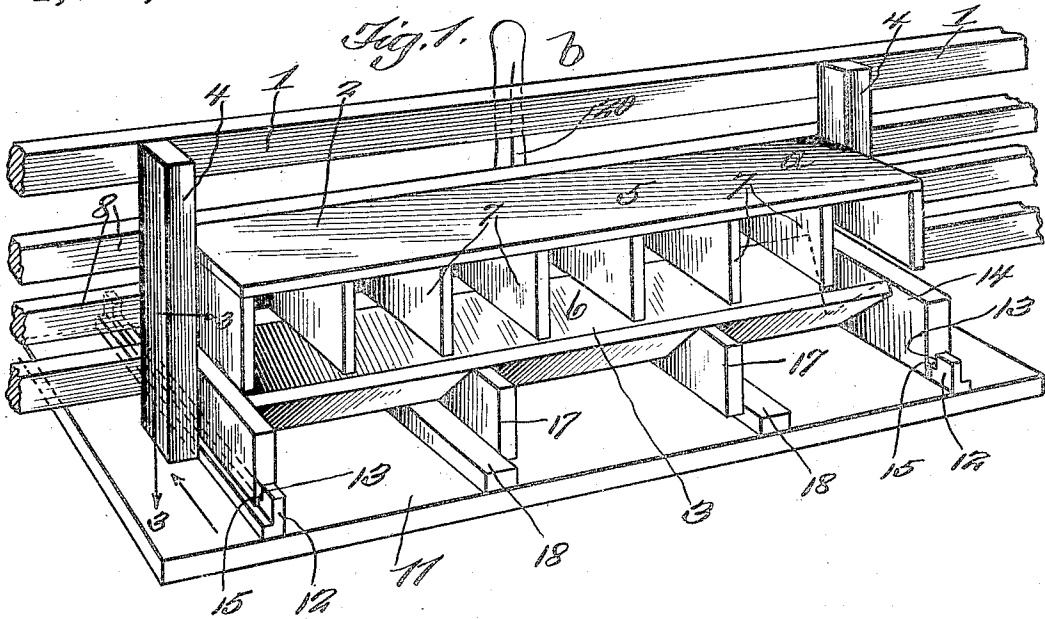


J. A. MOREN.
 SANITARY HOG TROUGH.
 APPLICATION FILED JULY 13, 1912.

1,057,490.

Patented Apr. 1, 1913.



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UNITED STATES PATENT OFFICE.

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SANITARY HOG-TROUGH.

1,057,490.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH A. MOREN, a citizen of the United States, residing at Grand River, in the county of Decatur and State of Iowa, have invented a new and useful Sanitary Hog-Trough; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a new and useful sanitary hog trough.

As one of the objects of the invention, it is the aim to construct a hog trough, that may be built in a plank fence, which incloses the animals.

A further object is the provision of such a trough, so constructed that the same may be filled from the outside of the fence, and then moved on the inside thereof, so that the hogs in the stalls may feed therefrom.

A further object of the invention is to provide means for moving the trough.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings:—Figure 1 is a view in perspective showing the improved hog trough, as built in a fence. Fig. 2 is a sectional view transversely through the trough. Fig. 3 is a sectional view on line 3—3 of Fig. 1. Fig. 4 is a detail view of the U-shaped member 21 including the nuts 23.

Referring more specifically to the drawings 1 designates a portion of a fence, and another object of the invention is to remove certain portions of the fence, such as sections of the planks, in order that the frame 2, in which the trough 3 is slidable transversely thereof, may be built. The frame 3 comprises the standards 4, between which the roof 5 of the stalls 6 is arranged. The stalls 6 are formed by the plurality of divisional boards or planks 7, which are secured to the roof in any suitable manner (not shown). Secured to the standards 4, and to the divisional boards are the strips or planks 8, which constitute means for steadying the divisional boards in position. The posts 4 are provided with extensions 9, which are secured in the sockets 10 of the platform or base 11 of the structure, in order to assist in holding the posts upright. Secured to the base or platform adjacent each end thereof is a rail 12 having shoulders 13

at each end. The ends of the trough 3 are provided with end strips 14, which extend considerably upon each side of the trough. These end strips 14 are grooved as shown at 15, so as to straddle the rails 12, there being rollers 16 mounted in the grooves so as to engage the rails, whereby the trough may be moved transversely of the frame easily. The rails 12 are offset a little from the posts, so that the end pieces may be free to move without being obstructed. The trough 3 is limited in its movement in either direction, by the end pieces contacting with the shoulder 13.

Secured to the trough, and arranged intermediate the end pieces are strips 17, which engage the guide rails 18 secured upon the base or platform 11. Secured to the strips 17 is a strip 19, to which the lever 20 is pivotally connected by the U-shaped member 21. This member 21 is provided with downwardly extending portions 22, which are secured to the strip 19 by the nuts 23. The lever 20 is provided with a round-headed reduced extension 24, which is received in the socket 25 of the base or platform of the frame, thereby constituting means whereby the trough may be moved transversely of the fence.

On one side the fence *a* denotes the inside while *b* designates the outside. To feed the hogs on the inside the fence, the trough is moved to a position shown in dotted lines in Fig. 2, by moving the lever in the direction of the arrow 27. After the trough has been filled with the necessary feed, the lever is moved in the direction of the arrow 28, which in turn actuates the trough to a position in full lines, as shown in Fig. 2, where the hogs may obtain their food.

From the foregoing it is to be observed, there has been devised a simple and efficient hog trough, of such a structure that the trough may be filled upon one side the fence, and then moved on the inside thereof, where the contents thereof may be had by the hogs, and one which has been found desirable and practical.

The invention having been set forth, what is claimed as new and useful is:—

1. In combination, a fence, a frame comprising a plurality of stalls and posts at the ends of the plurality of stalls built in the fence, a platform from which the posts rise, rails secured to the platform adjacent the

posts and having shoulders at their ends, an elongated trough having end pieces movable between the shoulders, the shoulders constituting means to limit the trough in its
5 movement in either direction, the end pieces having grooves at their lower edges to straddle the rails and provided with rollers in the groove to engage the rails, guide rails secured to the platform intermediate the
10 first rails, strips secured to the trough transversely thereof, a bar secured to the strips, the strips adapted to engage the second rails to assist in guiding the trough, and a lever having a socket fulcrumed to the platform
15 and connected to the bar for moving the trough.

2. In combination, a fence, a frame comprising a plurality of stalls and posts at the end of the plurality of stalls built in the
20 fence, a platform from which the posts rise,

rails secured to the platform adjacent the posts and having shoulders at their ends, an elongated trough having end pieces movable between the shoulders, the shoulders constituting means to limit the trough in
25 its movement in either direction, the end pieces having roller bearings to engage the rails, a bar secured on the rear of the trough and extending longitudinally thereof, a lever having a quickly detachable fulcrum
30 connection with the platform, a U-shaped member connecting said bar and having a slot connection with said lever.

In testimony whereof I have signed my name to this specification in the presence of
35 two subscribing witnesses.

JOSEPH A. MOREN.

Witnesses:

G. S. McCONNELL,
S. H. BROWNING.

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