Oct. 29, 1935. C. L. THOMSEN 2,019,370

POULTRY FEEDING AND WATERING DEVICE

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Fig. 1.

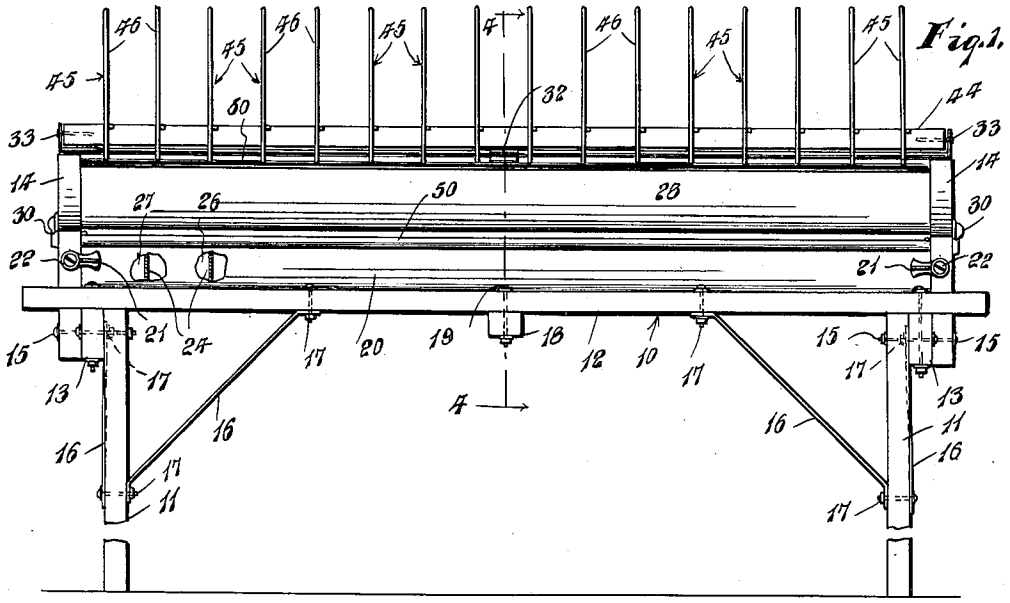
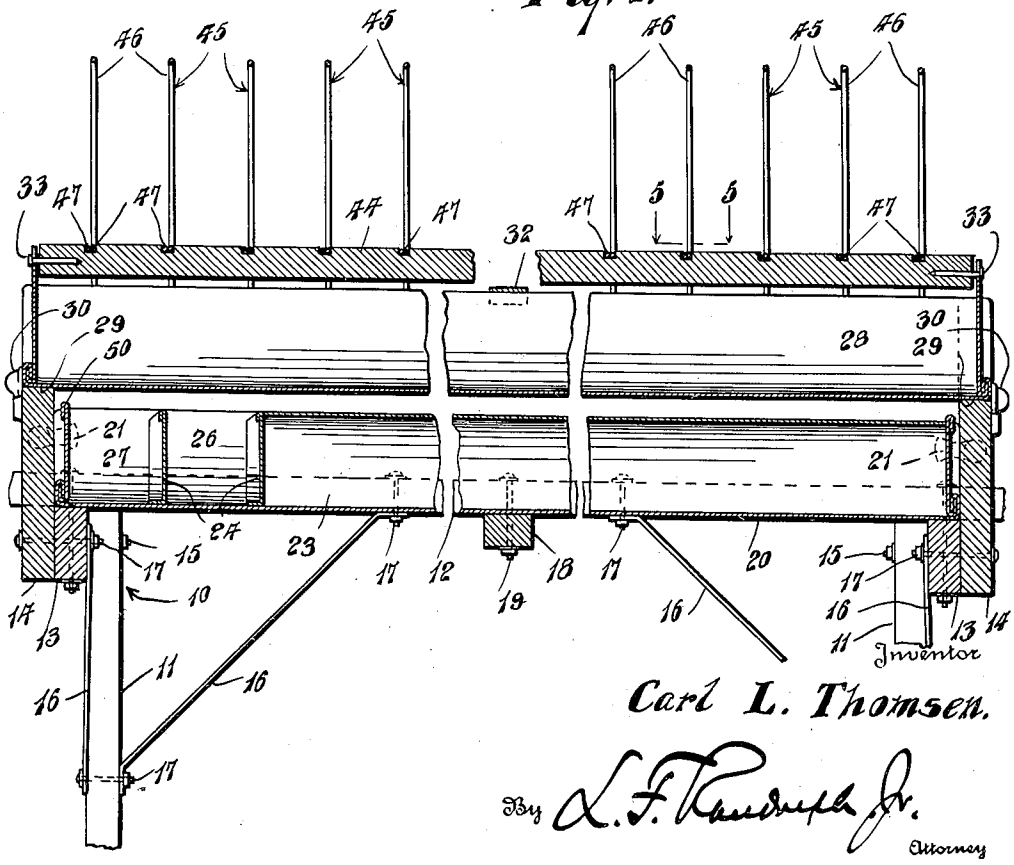


Fig. 2.



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Fig. 3.

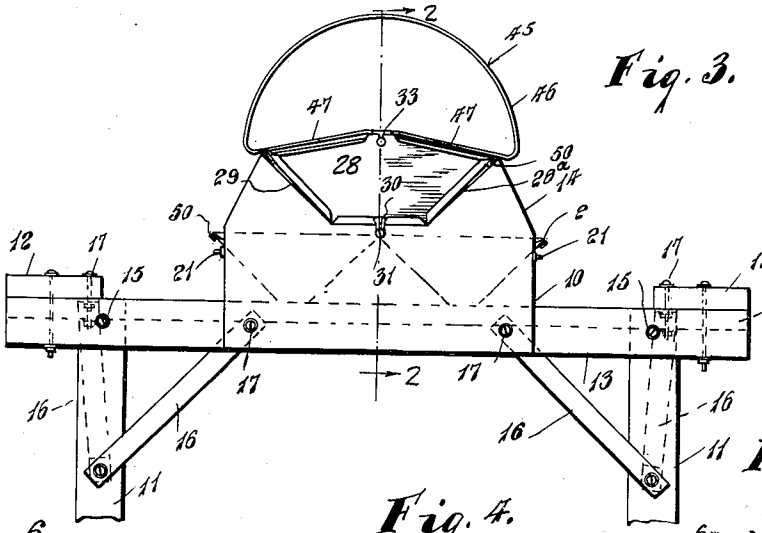


Fig. 5.

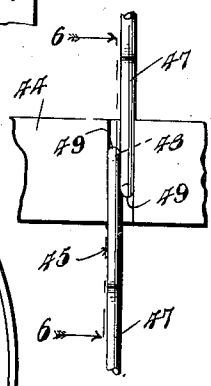


Fig. 6.

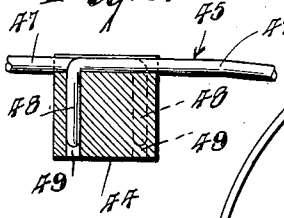


Fig. 4.

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POULTRY FEEDING AND WATERING DEVICE

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3 Claims. (Cl. 119—61)

This invention relates to a poultry feeding and watering device.

It aims to provide an exceedingly simple, strong and durable construction wherein the elements may be readily assembled and disassembled with the several troughs disposed one over the other and with novel guard means associated therewith.

The more specific objects and advantages will become apparent from a consideration of the description following taken in connection with accompanying drawings illustrating an operative embodiment.

In said drawings:—

Figure 1 is a view of the device in side elevation;

Figure 2 is an enlarged substantially central longitudinal sectional view through the device substantially on line 2—2 of Figure 3, partly broken away;

Figure 3 is an end elevation of the device with the legs partly broken away;

Figure 4 is a cross sectional view taken on the line 4—4 of Figure 1;

Figure 5 is a horizontal sectional view taken on the line 5—5 of Figure 2, and

Figure 6 is a detail section taken on the line 6—6 of Figure 5.

Referring specifically to the drawings, wherein like reference characters designate like or similar parts, suitable knock-down supporting framework is provided as at 10. This framework comprises four legs 11, longitudinal perches 12 surmounting them, two transverse or cross members 13 abutting the outer sides of the legs and under surfaces of the perches, and two end boards 14 disposed against the outer surfaces of the cross members 13 and rising a considerable distance about the perches 12. The parts described are detachably connected together by bolts or the equivalent as at 15. In addition, diagonal braces 16 are bolted to the perches, legs and cross members as at 17 and a transverse brace 18 may be bolted as at 19 against the under side of the perches 12.

Removably resting on the cross members 13, is a trough 20 which is held against longitudinal displacement by the end boards 14. Accidental lateral displacement of the trough 20 is prevented by means of buttons or latches 21 pivoted at 22 to the end boards 14, such buttons being capable of being readily swung into and out of operative position. The trough 20 has a longitudinal inverted V-shape partition 23 disposed centrally therein and for example, a plurality of transverse partitions 24, thus providing spaces as at 25 for mash, at 26, for oyster shells, and at 27 for grit.

Disposed centrally over the trough 20 and relatively close thereto is a trough 28 for water. Trough 28 is preferably as shown provided with outwardly inclined walls 28a, this structure providing restricted openings for fowls feeding from troughs 25, 26 and 27 to prevent waste of material. The end walls 14 are cut away from the top to provide recesses 29 corresponding to the cross sectional shape of and in which the trough 28 removably rests, being prevented from longitudinal displacement by means of latches or buttons 30 pivoted at 31 to the end boards. Such latches or buttons 30 are similar in construction to those at 21 so that they may be readily moved to or out of operative position.

A cross brace 32 prevents undue bulging of the side walls of the trough 28 and the end walls of such trough extend upwardly above the side walls so that nails 33 may be passed therethrough and secure a longitudinal bar 44 centrally over the trough.

A suitable baffle and guard means is mounted by the bar 44, to prevent undue crowding of the poultry. To this end, any suitable number of vertically disposed baffles or guard members 45 are provided. Each guard member consists of a strand of resilient wire whose main portion 46 is arcuate and from the base of which the arms 47 extend inwardly past each other terminating in depending lugs 48. The guards 45 are detachable, resting on the upper side edges of trough 28 and having their lugs 48 disposed in sockets or recesses 49 in such bar 44. In order to apply the lugs 48 to the bar, it is necessary to move the arms 47 inwardly toward each other or outwardly away from each other so that the guards will be tensioned when the lugs of such guards are engaged with the bar, the lugs 48 of each guard prior to assembly on the bar being a different distance apart than the pair of openings 49 which receive the pair of lugs of that guard.

The troughs 20 and 28 are made of any suitable material preferably sheet metal as shown with the sections suitably seamed and soldered together, where necessary. In addition the upper edges of such troughs are preferably doubled as at 50 in order to strengthen the troughs.

It will also be noted that the side edges of the trough 28 terminate over the trough 20 so that any water spilled in the process of drinking will fall into the mash in the trough 20.

Various changes may be resorted to provided they fall within the spirit and scope of the invention.

I claim as my invention:—

1. A trough having a bar provided with sockets, guard members disposed along the bar and over the trough, said guard members having depending lugs disposed in said sockets, each guard member being a strand of resilient material provided with inwardly extending arms from which said lugs depend, the lugs on each member prior to assembly on the bar being spaced at a distance from one another dissimilar to the distance between the sockets receiving the lugs to provide means whereby the member will be under tension when supported on the bar.

2. A device of the character described, comprising a leg supported frame having end cross-bars, a trough supported on said cross-bars, end walls secured to the outer faces of said cross-bars and engaging the trough to prevent end movement in the direction thereof, said end walls extending above said trough and having recesses therein arranged in a vertical plan that includes the longitudinal median line of the trough, a second trough supported by said end walls and located in said recesses, said second trough having its opposite side walls inclined upwardly and outwardly and providing restricted openings admitting to the first mentioned trough to prevent waste of material therein when feeding poultry, and latch members pivotally mounted on the end walls to prevent endwise movement of the last mentioned trough.

3. A guard for poultry feeding and watering devices, comprising a plurality of spaced guard members each comprising a single length of resilient material arcuate in shape intermediate of its ends, inwardly directed integral arms from the base of said arcuate portion, the extremities of said arms being downturned to provide lugs, and a single bar provided with spaced pairs of sockets receiving said lugs, the lugs on each member prior to assembly on the bar being spaced at a distance from one another dissimilar to the distance between the sockets receiving the lugs to provide means whereby the member will be under tension when supported on the bar.

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