May 24, 1927. 1,629,979

E. P. STEINBACK

POULTRY FEEDING DEVICE

Filed March 24, 1926

Fig. 1

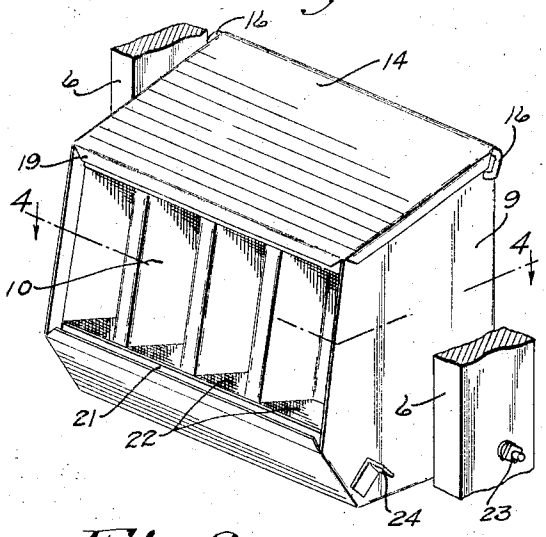


Fig. 2

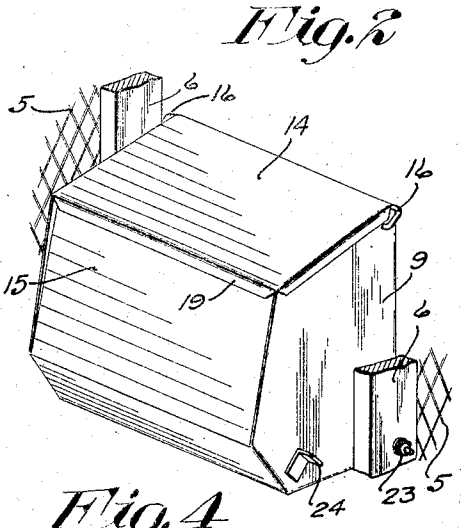


Fig. 3

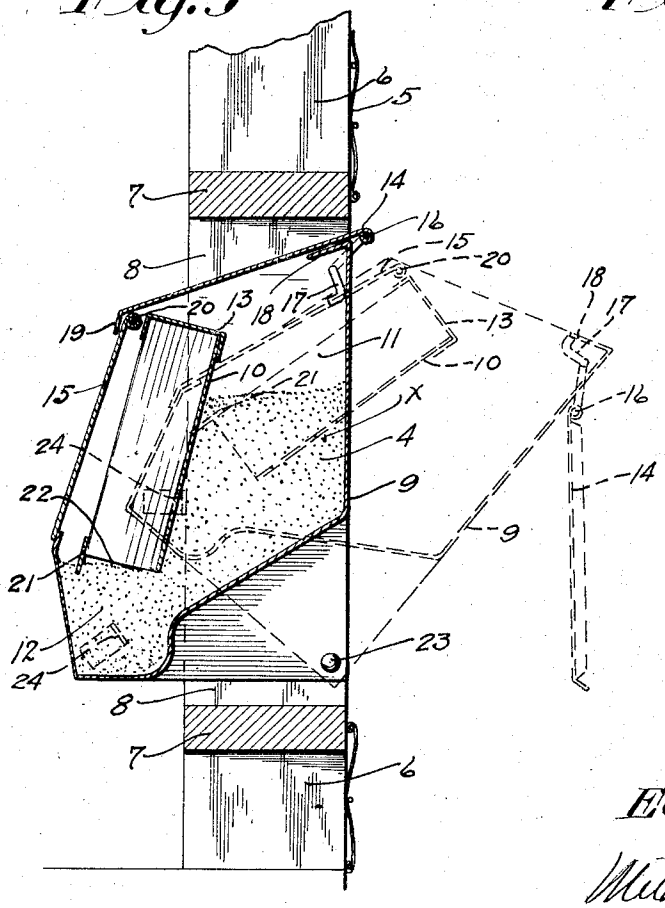
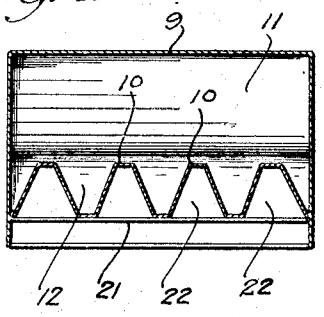


Fig. 4



Inventor
Edward P. Steinback
By his Attorneys
Murchant & Kilgore

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UNITED STATES PATENT OFFICE.

EDWARD P. STEINBACK, OF BLOOMINGTON, MINNESOTA.

POULTRY-FEEDING DEVICE.

Application filed March 24, 1926. Serial No. 96,980.

My present invention relates to poultry feeding devices of the type disclosed and claimed in my U. S. Letters Patent No. 1,491,210 issued April 22, 1924, and has for its object to improve the same in the several particulars hereinafter noted.

In the accompanying drawings, which illustrate the invention, like characters indicate like parts throughout the several views.

Referring to the drawings:

Fig. 1 is a perspective view of the invention with the cover to the feeding compartment open;

Fig. 2 is a view corresponding to Fig. 1 with the exception that said cover is closed;

Fig. 3 is a view in vertical section taken through the feeding device and partition in which it is mounted; and

Fig. 4 is a horizontal section taken on the line 4—4 of Fig. 1.

The numeral 5 indicates a partition in a chicken house formed from netting and supported in part on a pair of uprights 6 connected by upper and lower horizontal bars 7. The netting between the uprights 6 and bars 7 is cut away to afford an opening 8 in said partition.

The improved poultry feeding device includes a galvanized sheet metal rectangular box 9 having a transverse partition 10 dividing said box into a rear storage compartment 11 and a front feeding compartment 12. Said feeding compartment 12 is in the form of a trough and the bottom of the rear storage compartment 11 is rearwardly inclined and arranged to discharge the feed x therein by gravity from said storage compartment 11 into the feeding compartment 12. The partition 10 is slightly rearwardly inclined and the lower end thereof is spaced above the bottom of the storage compartment 11. Said partition is corrugated transversely of the box 9 with the rear ridges thereof spaced forward of and above the rear wall of the feeding compartment 12 and with the front ridges thereof spaced rearward of the front wall of said feeding compartment (see Fig. 2). The top of the partition 10 is below the top of the box 9 and has a capping cover 13 applied thereto.

Covers 14 and 15 are provided for the compartments 11 and 12 respectively. The rear edge of the cover 14 is loosely hinged to a swinging rod 16, the end portions of which are bent laterally and then inward, parallel to the main body of said rod and pivoted in the sides of the box 9. On the inner ends of the rod 16, within the box 9, are stop fingers 17 arranged to engage a flange 18 at the top of said box to limit the turning movement of said rod.

Along the front edge of the cover 14 is a joint flange 19 that overlaps the upper edge of the cover 15 which is pivoted at 20 to the sides of the box 9. The lower or free edge portion of the cover 15 overlaps the lower edge portion of the front wall of the feeding compartment 12 which is forwardly inclined and extends above the lower end of the partition 10 and above the back wall of said feeding compartment. A flat rail 21 is secured to the front ridges of the corrugated partition 10 with its upper edge substantially in the same horizontal plane with the edge of the front wall of the feeding compartment 12. The spaces between the folds in the partition 10 at the front thereof afford pockets 22 that open into the feeding compartment 12 at the top thereof.

The feeding device is mounted in the opening 8 with the feeding compartment 12 extending into the pen which may be assumed to be on the left-hand side of said partition, and which device is pivoted at 23 to the uprights 6 for tilting movement transversely of the partition 5. It will be noted that the pivots 23 are located at the lower rear corners of the sides of the box 9 so that the tendency of said box is to tilt forward. The outer end portions of the hinge rod 16 engage the rear edges of the uprights 6 as stops to hold the feeding device in an upright position. During the day or feeding time the cover 15 is folded under the cover 14, as shown in Fig. 1, but at night said cover is closed to prevent rats or mice from eating the feed.

To fill the storage compartment 11 the device is tilted backward and the cover 14 opened, as shown by broken lines in Fig. 3. Lugs 24 on the sides of the box 9 engage the front edges of the uprights 6 as stops, and in which position the device is beyond a dead center and will remain in this position without being held. As previously stated, the feed x, usually a mash, in the storage compartment 11 will flow through the feeding compartment 12 under the rear ridges of the partition 10 and between the folds thereof.

The individual pockets 22 are highly important in that only a single chick can feed at a given place and they prevent the

chickens from swinging their bills sidewise and throwing the feed out of the compartment 12. The rail 21 also prevents the chickens from swinging their bills backward but in case any of the feed is thrown over said rail the same will drop between the rail 21 and the front wall of the feeding compartment 12 and be precipitated into the said compartment.

By mounting the device in the partition 5 so that the same can be tilted in the opening 8 it is possible to fill the device without going into the pen and thus disturbing the chickens.

What I claim is:

A feeding device comprising a box having a transverse vertically corrugated rearwardly inclined partition dividing said box into a storage compartment and a feeding compartment and affording a plurality of individual pockets opening into the feeding compartment, said feeding compartment being in the form of a trough below the bottom of said storage compartment, the bottom of said storage compartment being inclined and arranged to discharge into the feeding compartment, and a rail at the front ridges of said partition and spaced from the front wall of the feeding compartment.

In testimony whereof I affix my signature.

EDWARD P. STEINBACK.