

(No Model.)

E. M. MACY.
FEED RACK.

No. 574,100.

Patented Dec. 29, 1896.

Fig. 1.

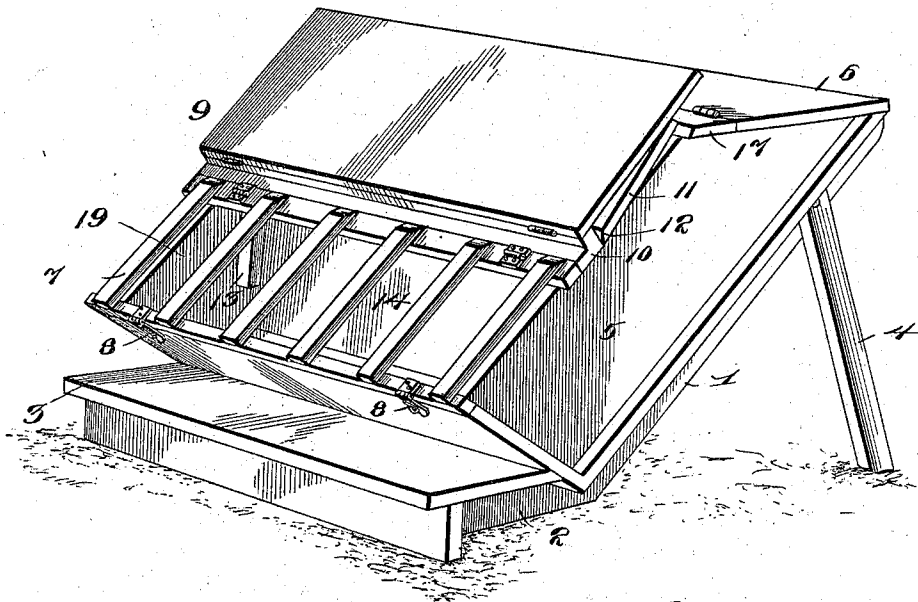


Fig. 2.

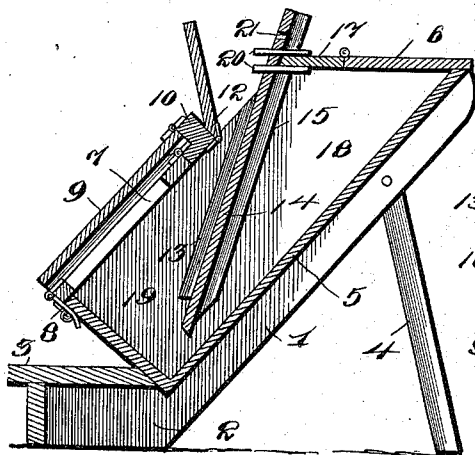
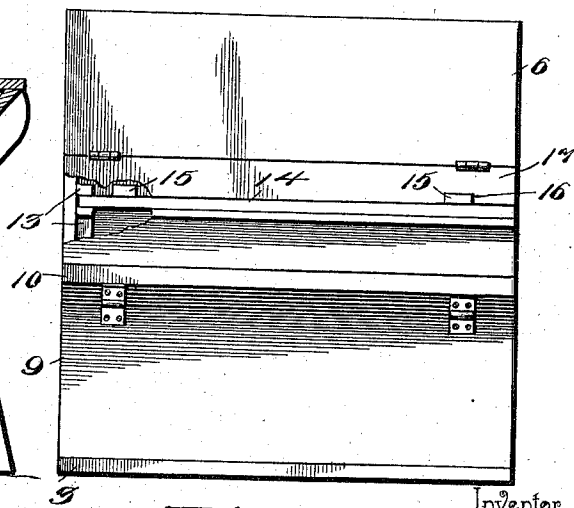


Fig. 3.



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UNITED STATES PATENT OFFICE.

EDWIN MILTON MACY, OF VINEY GROVE, ARKANSAS.

FEED-RACK.

SPECIFICATION forming part of Letters Patent No. 574,100, dated December 29, 1896.

Application filed July 8, 1896. Serial No. 598,457. (No model.)

To all whom it may concern:

Be it known that I, EDWIN MILTON MACY, a citizen of the United States, residing at Viney Grove, in the county of Washington and State of Arkansas, have invented a new and useful Feed-Rack, of which the following is a specification.

My invention relates to feed-racks especially adapted for hogs and small stock; and the object in view is to provide such a construction and arrangement of parts as to prevent stock from scattering food by climbing into the trough; also, to provide means whereby dry and liquid food may be kept separate, to provide means whereby dry food may be fed to the stock as it is used, and, furthermore, to provide means for facilitating the introduction of liquid feed.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of a feed-rack constructed in accordance with my invention. Fig. 2 is a vertical section of the same. Fig. 3 is a plan view, partly in section.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The frame of the feed-rack consists of inclined side bars 1, terminating at their lower extremities in platform-supports 2, which are adapted to rest upon the ground, and to which are secured the transverse platform 3, and 4 designates folding standards which are pivotally mounted upon the side bars 1 and are adapted to fold parallel with and in the planes thereof. Supported by this frame in an inclined position corresponding therewith is a box 5, fitted at its top with a hinged lid 6 and at its front with a hinged slatted frame 7, provided at its free lower edge with fastening devices 8, by which it may be secured in the operative position indicated in the drawings.

Arranged to fold over the slatted frame and close the openings between the slats is a solid or imperforate door 9, hinged to the transverse strip 10, upon which the slatted frame is mounted. Arranged above the strip 10 is a feed-opening fitted with a door 11, which is

hinged at its lower edge and beveled, as shown at 12, to occupy a forwardly and upwardly inclined position, as shown in Fig. 2, the normal or closed position of said door being illustrated in Fig. 1, and removably fitted in guides 13 on the side walls of the box are the side edges of a cut-off partition 14, provided with cleats 15, which are arranged in notches 16, formed in the transverse strip 17, to which the lid 6 is hinged. The cut-off slide or partition inclines forwardly toward its lower edge and is adapted to be arranged at its lower beveled extremity in contact with the rear wall of the box to form a rear dry-feed or grain receptacle 18 and a front feed-trough or liquid-feed receptacle 19, which is exposed to give access to the stock through the slatted frame, and when liquid feed is being used this cut-off slide may be wholly depressed and secured by means of pins 20, fitted in perforations 21 in the slide and engaging the strip 17. When it is desired to use dry feed and allow the same to pass into the feed-trough, as the feed is removed from the latter the slide may be arranged with its lower edge removed more or less from the rear wall of the box, as shown in Fig. 2, when it is secured by means of said pins 20, arranged in pairs located, respectively, above and below the plane of the strip 17, whereby both upward and downward displacement thereof are prevented.

The object of the slatted frame is to allow access to the feed-trough without allowing stock to climb therein, while the platform 3 forms a suitable rest for the fore feet of small stock.

When it is desired to introduce moist or liquid food into the rack, the door 11 should be arranged in its forwardly and upwardly inclined position, (indicated in Fig. 2,) when it is inclined oppositely to the upper extremity of the slide 14 to form, in combination therewith, a hopper into which the food may be poured, thus avoiding waste and the inconvenience incident to introducing feed at the opening through which it is removed by the stock.

From the above description it will be seen that the device may be manufactured at a small cost, the parts of the same being arranged to allow stock to feed without waste,

the solid or imperforate door 9 being adapted to be closed to prevent fowls from entering the feed-trough. The device is preferably made of such dimensions as to contain sufficient food for several days, whereby the daily feeding of stock is avoided.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having described my invention, what I claim is—

1. A feed-rack having an upwardly and rearwardly inclined box open at the lower portion of its front side to give access to stock, a partition or cut-off adjustably fitted in the box and extending from the upper front corner approximately to the lower rear corner thereof to divide the interior of the box into front and rear compartments, means for securing the partition or cut-off at the desired adjustment whereby communication may be established between said compartments, and a door having a horizontal axis arranged to close an opening contiguous to the plane of said partition or cut-off and adapted to be inclined in the opposite direction therefrom to

form a hopper to facilitate the introduction of feed, substantially as specified. 30

2. A feed-rack having an inclined box provided in its front side with an opening to give access to stock and also with a superjacent feed-opening, a sliding cut-off or partition fitted in guides in the sides of the box and extending through and above said feed-opening with its lower edge contiguous to the rear wall of the box, means, as pins, for engaging a contiguous fixed portion of the box to secure the cut-off at the desired adjustment, a door hinged at its lower edge to the box contiguous to said feed-opening and adapted to be inclined forwardly and upwardly to combine with the contiguous extremity of the cut-off to form a hopper, and a lid fitting an opening in communication with the compartment of the box in rear of the cut-off, substantially as specified. 35 40 45 50

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EDWIN MILTON MACY.

Witnesses:

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