

(No Model.)

T. H. QUEEN.
RACK FOR FEEDING CATTLE.

No. 343,491.

Patented June 8, 1886.

Fig. 1.

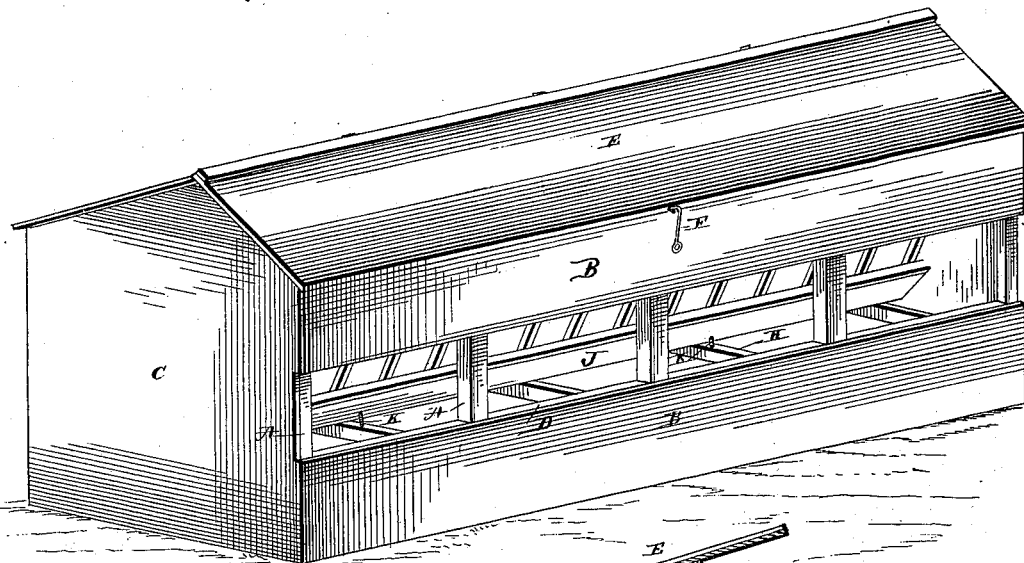
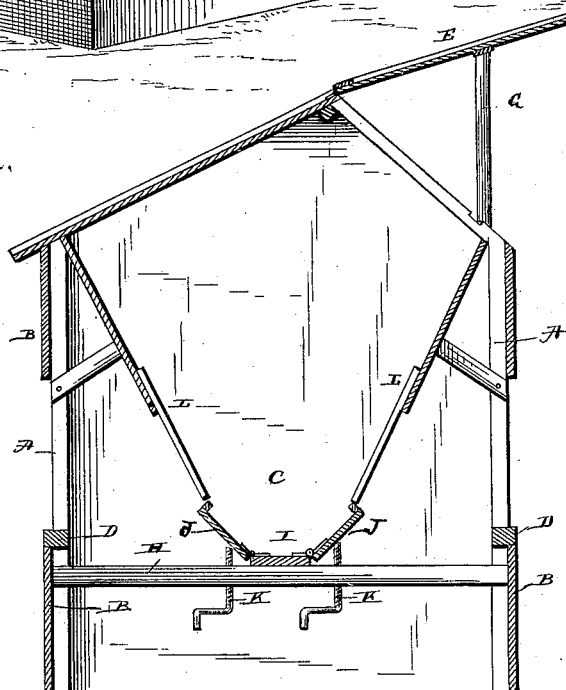


Fig. 2.



WITNESSES

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RACK FOR FEEDING CATTLE.

SPECIFICATION forming part of Letters Patent No. 343,491, dated June 8, 1886.

Application filed April 16, 1886. Serial No. 199,067. (No model.)

To all whom it may concern:

Be it known that I, THOMAS HAMPTON QUEEN, a citizen of the United States, and a resident of Truro, in the county of Madison and State of Iowa, have invented certain new and useful Improvements in Racks for Feeding Cattle; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved feed-rack, and Fig. 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts in both the figures.

My invention has relation to racks for feeding cattle; and it consists in the improved construction and combination of parts of such a rack, having means for preventing waste of the feed and for regulating the amount of feed to be fed, as hereinafter more fully described and claimed.

In the accompanying drawings, the letters A indicate upright posts, to which the boards B, forming the sides, as well as the end walls, C, are secured. The boards forming the side walls leave an open space in the wall, through which the cattle may stick their heads while feeding, and the lower edges of these apertures are preferably provided with a sill, D, preventing the boards from being torn out or worn. The narrow portion E of the slanting roof is hinged at the upper edge of the wider portion, and the lower edge may be held by means of a hook, F, or a suitable latch or similar device, and the middle of the hinged roof portion is provided with a prop, G, hinged to the roof portion, which may bear with its lower end against one of the joists or against the upper edge of the side wall, propping up the roof portion and supporting it while raised, for the purpose of filling the rack with hay or straw. The posts of the sides are connected by cross-pieces H, slightly below the upper edges of the lower boards of the sides, and a feed-board, I, is secured to the middles of these cross-pieces, having two feed-boards, J J, hinged at their inner edges

to its edges. Screws K turn in the cross-pieces and bear with their upper ends against the under sides of the hinged boards, serving to raise or lower the boards, and inclined side pieces, L, extend from the upper edges of the side pieces to a distance from the free edges of the hinged feed-boards when the latter are raised into their inclined positions, the space between the lower edges of the inclined side pieces and the free edges of the feed-boards being filled with slats projecting downward from the side pieces at the same incline as the side pieces. It will thus be seen that the space formed by the inclined side pieces under the roof may be filled with feed through the hinged roof portion, and thereupon the cattle may project their heads through the apertures in the side walls and pull out the feed through the slats, all the waste feed falling on the ground inside of the lower portion of the side wall, preventing the cattle from tramping on it, but admitting of the cattle eating from off the ground as well as from the rack.

The hinged feed-boards may be let down, so as to allow the cattle to have easier or less easy access to the feed, so that the quantity of feed which it is desired to be fed within a given time may be calculated according to the space between the lower ends of the slats and the free edges of the hinged feed-boards, the said boards being let down at different angles, according to the quantity desired to be consumed.

The hinged feed-boards and the central feed-boards will serve to receive all short feed and seed from the hay or straw, and the spaces between the lower portions of the sides under the rack will serve as receptacles for the waste, being within easy reach of the animals feeding, and being out of reach of their feet.

The inclined side pieces form a large receptacle for the feed, and the feed will be protected from all damage by the weather by the roof.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In a feed-rack, the combination of a shed having apertures extending the entire length of the sides a distance above the ground, and

having a portion of its roof hinged and provided with cross-pieces slightly below the upper edges of the lower covering of the sides, a feed-board resting upon the middles of the 5 cross-pieces, feed-boards hinged with their edges to the edges of the central feed-board, vertical screws bearing with their upper ends against the under sides of the hinged boards, and inclined side pieces extending from the 10 upper edges of the side, and having slats at

their lower edges projecting toward the hinged boards, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature 15 in presence of two witnesses.

THOMAS HAMPTON QUEEN.

Witnesses:

G. N. SKINNER,

J. L. ARMSTRONG.