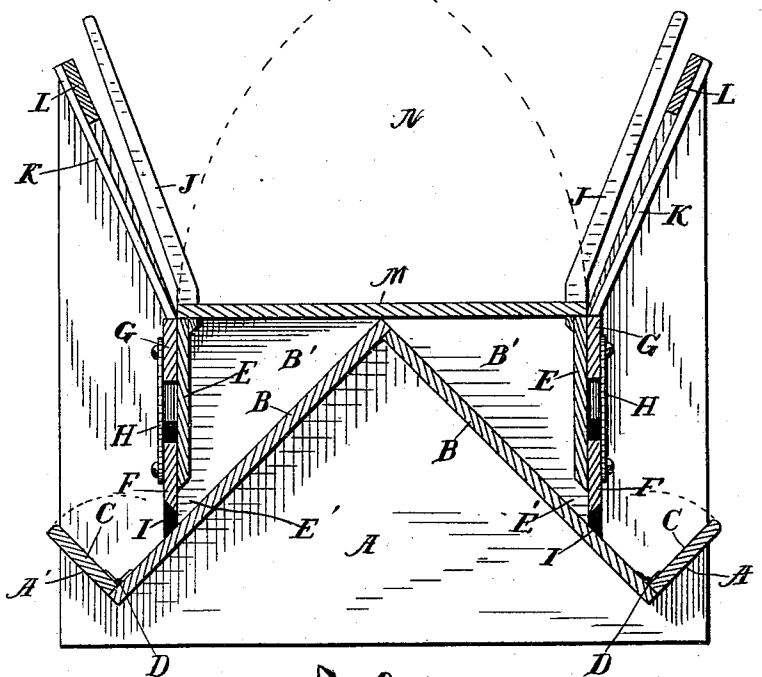
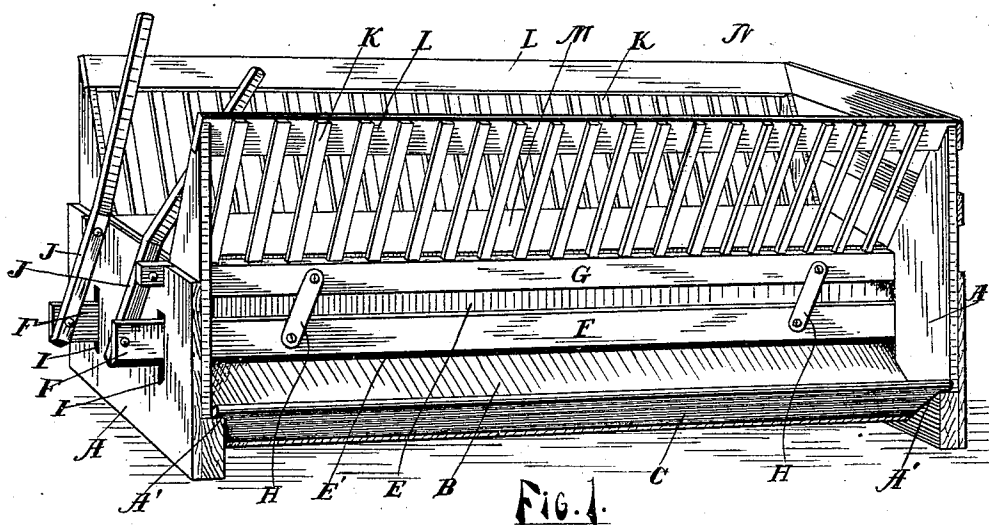


(No Model.)

G. L. & F. TAFT.
FEED RACK.

No. 473,245.

Patented Apr. 19, 1892.



WITNESSES:

O Scott Wood
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INVENTORS

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Frank Taft

UNITED STATES PATENT OFFICE.

GEORGE L. TAFT AND FRANK TAFT, OF IONIA, MICHIGAN.

FEED-RACK.

SPECIFICATION forming part of Letters Patent No. 473,245, dated April 19, 1892.

Application filed October 5, 1891. Serial No. 407,749. (No model.)

To all whom it may concern:

Be it known that we, GEORGE L. TAFT and FRANK TAFT, citizens of the United States, residing at Ionia, in the county of Ionia and State of Michigan, have invented certain new and useful Improvements in Feed-Racks; and we 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.

Our invention relates to improvements in racks for feeding hay and grain to stock; and its object is to provide the same with certain new and useful features, hereinafter more fully described, and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective of a device embodying our invention, and Fig. 2 a transverse vertical section of the same.

Like letters refer to like parts in all of the figures.

A are two vertical parallel ends, to which are attached the oppositely-inclined bottoms B and the vertical sides E, forming two triangular grain-receptacles B', having openings E' at their lower angles beneath the sides E. The inclined bottoms B are prolonged beyond said openings, forming the inner sides of troughs D, the outer sides of which consist of the strips C, supported in place by ledges A' on the ends A, oppositely inclined to the respective bottoms B, abutting against their lower edges and adapted to fold over on the same, and may also be hinged thereto if deemed desirable.

Across the upper side of the walls E and attached to the same are strips G, beneath which are suspended gates F by means of parallel bars H, said bars having their upper ends pivoted to said strips and their lower ends pivoted to said gates, which latter pass through openings I in the ends A, in which openings they are free to move both vertically and longitudinally, as actuated by the levers J, pivoted to their outer ends, said levers also being pivoted in the same plane as the upper ends of the bars H. Said parallel bars H are of such length that when vertical the gates F close the openings E' and when swung upon

their pivots said gates rise and open said opening more or less.

L are parallel strips attached to the upwardly-extended sides of the ends A, having attached at intervals the inclined bars K, having their lower ends resting upon and attached to the strips G, forming a rack N to contain hay or straw, the bottom or floor of this rack N, as well as the top of the grain-receptacle B', being formed by the piece M, which latter is movable and may be removed or turned up at either side to fill the triangular chamber beneath with grain, which latter flows out through the openings E', as regulated by adjusting the gates F.

When out of use, the troughs D can be closed by turning the strips C over upon the inclined bottoms B. One end of the rack is left open to permit the free movement of the levers J and also to facilitate removal of the contents of said rack.

What we claim is—

1. The herein-described feed-rack, comprising the rack N, having a movable floor M, sides E, extending downward from opposite sides of said floor, oppositely-inclined strips B beneath said movable floor, said strips being attached at their ends to the rack and out of contact with the lower ends of the sides E, thereby forming two triangular grain-receptacles beneath said rack N, each of which has an opening E' at its lower corner, said strips B being also prolonged beyond said sides E, strips C, hinged at their lower ends to the outer ends of said strips B, thereby forming troughs, which can be closed by folding their sides onto their bottoms, as described, and adjustable gates for uncovering and covering said openings E', all arranged, combined, and operating substantially as shown and described.

2. The herein-described feed-rack, comprising the rack N, having a bottom which is movable to permit its contents to be discharged downward, two grain-receptacles beneath said rack, said receptacles having closed sides and ends and oppositely-inclined bottoms, which are out of contact with the lower ends of its side walls, thereby leaving openings at said points, and said bottoms extending beyond said side walls, inclined strips se-

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cured at their lower ends to the outer ends
of said inclined bottoms, thereby forming
troughs at the sides of the bottoms of said
grain-receptacles, swinging gates for covering
5 or uncovering said openings at the lower cor-
ners of said grain-receptacles to open or close
communication of said grain-receptacles with
said troughs, and levers for operating said
gates, all combined and operating as set forth.
10 3. The herein-described feed-rack, compris-
ing the ends A, sides E, oppositely-inclined
strips B, which project toward but are out of
contact with the lower ends of said sides E,
said parts forming two grain-receptacles, each
15 of which has an inclined bottom leading to

an opening in its lower corner, a rack N
above said grain-receptacles, a piece M, form-
ing the floor of said rack and top of said re-
ceptacles, said piece being movable for the
purpose specified, troughs beneath the open- 20
ings in said grain-receptacles, and gates for
closing said openings, said gates being adjust-
able, as set forth.

In testimony whereof we affix our signatures
in presence of two witnesses.

GEORGE L. TAFT.
FRANK TAFT.

Witnesses:

F. A. SESSIONS,
R. W. COVERT.