(No Model.)

J. W. MOORE.

COMBINED FEED TROUGH AND RACK.

No. 484,037. Patented Oct. 11, 1892.

Fig. 1.

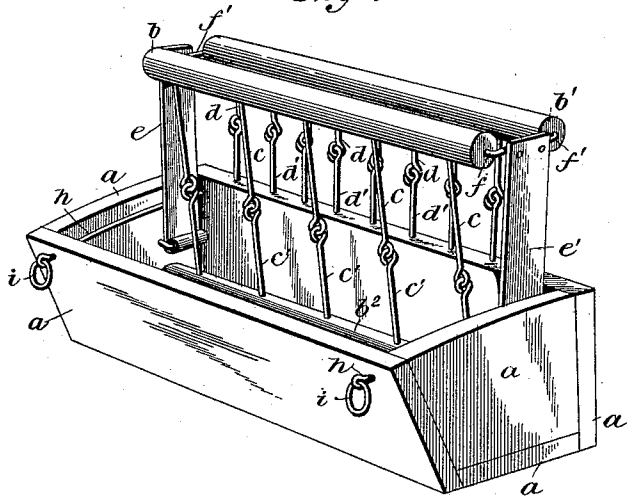
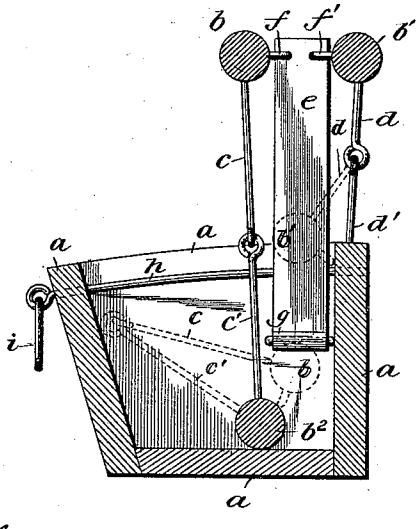


Fig. 2.



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UNITED STATES PATENT OFFICE.

JACOB W. MOORE, OF OXFORD, ARKANSAS.

COMBINED FEED TROUGH AND RACK.

SPECIFICATION forming part of Letters Patent No. 484,037, dated October 11, 1892.

Application filed November 24, 1891. Serial No. 412,970. (No model.)

To all whom it may concern:

Be it known that I, JACOB W. MOORE, a citizen of the United States of America, residing at Oxford, in the county of Izard and State of Arkansas, have invented certain new and useful Improvements in a Combined Feed Trough and Rack, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to combined feed-troughs and feed-racks.

The object of my invention is to provide a feed trough and rack to be used in connection with wagon-beds and that can be easily attached to and detached from the bed and in which the rack may be folded into the trough when not in use. I attain these objects by means of the construction of the several parts, as shown in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved trough and rack; and Fig. 2 is a vertical cross-section looking from the inside, the folded position of the rack being indicated by the dotted lines.

Referring to the several views by letters of reference, *a a* indicate the sides, bottom, and ends of the trough; *b b' b²*, the rods connected by the links *c c'* and *d d'* for forming the folding rack. When the rack is in use, it is held to position at either end by the supports *e e'*, the upper rods being provided at their ends with bent pins *f f'*, which register with perforations in the upper ends of the supports *e e'*, which are hinged at their lower ends, as shown at *g*, so that when the rack-rods *b b'* are disconnected the supports will fold downwardly into the trough. The supports *e e'* are made of thin board or metal and are more or less elastic, so that they will yield outwardly when connecting them with the pins *f f'* of the rack-rods *b b'*. It will be observed that if the bent pins *f f'* of the bar *b* are disengaged from the supports *e e'* the links *c* can be folded forward, as shown in dotted lines, Fig. 2, and the links *c'*, carrying the rod *b*, can then be turned back into the trough. The links or studs *d'* do not fold, but are permanently attached to the side of the trough; but the links *d*, which connect the rod *b'* with said studs, can be folded forward, as indicated by dotted lines, Fig. 2. It will be observed that after disengaging the rods *b b'* from the supports *e e'* the rod *b* can be folded into the trough, and on disengaging the rod *b'* the supports *e e'* can be likewise folded, the rod *b'* turning down upon them. To set the racks up, it is only necessary to reverse these movements. The trough is braced at each end by means of the rods *h h*, which are provided with rings *i i* for attaching the trough to a wagon-bed or other suitable support.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A combined feed trough and rack consisting of the trough *a*, supports *e e'*, hinged to trough ends and adapted to fold within the same, the bar *b²*, located in the trough, the bar *b*, attached to the supports *e e'* and connected to bar *b²* by means of the links *c c'*, and the bar *b'*, connected to the supports at the ends and with the rear side of the trough by means of the links *d d'*, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JACOB W. MOORE.

Witnesses:
WILLIAM N. DAVIS,
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