

(No Model.)

2 Sheets—Sheet 1.

J. W. EARDLY.
Hay Rack.

No. 232,014.

Patented Sept. 7, 1880.

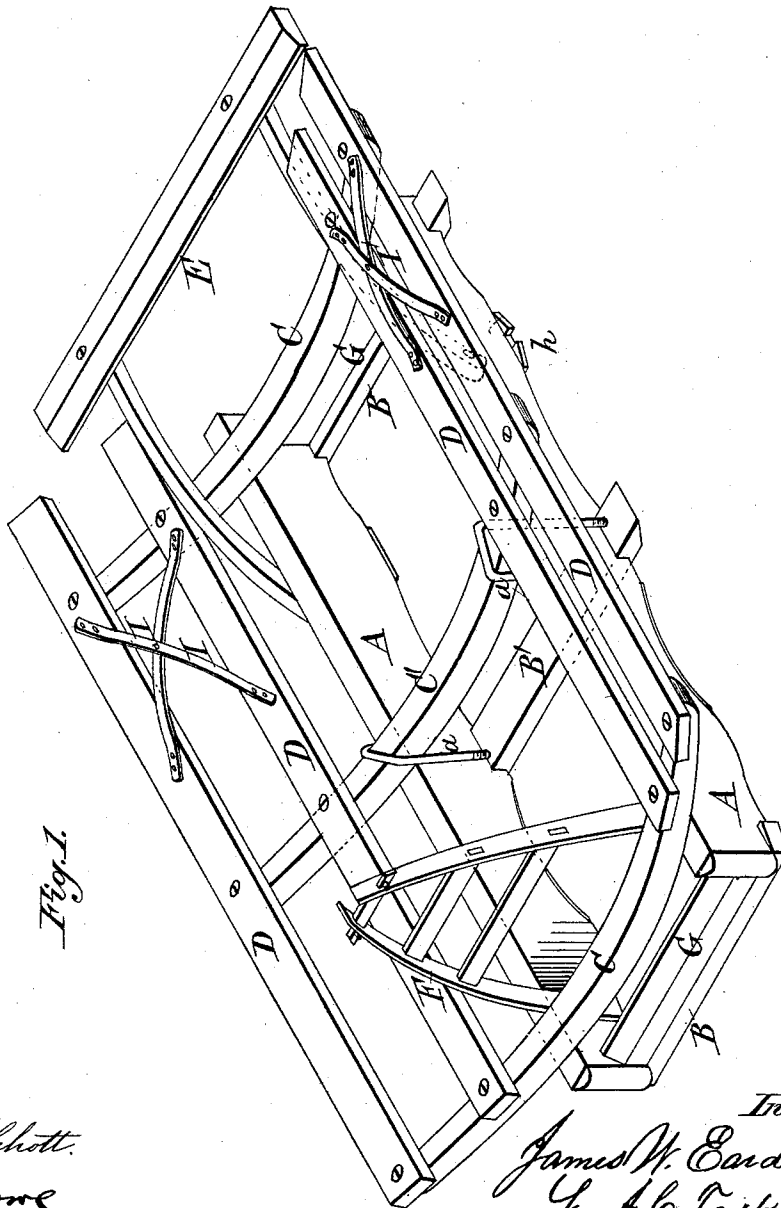


Fig. 1.

Attest:
H. H. Schott.
D. A. Long

Inventor.
James W. Eardly.
By J. C. Parker atty.

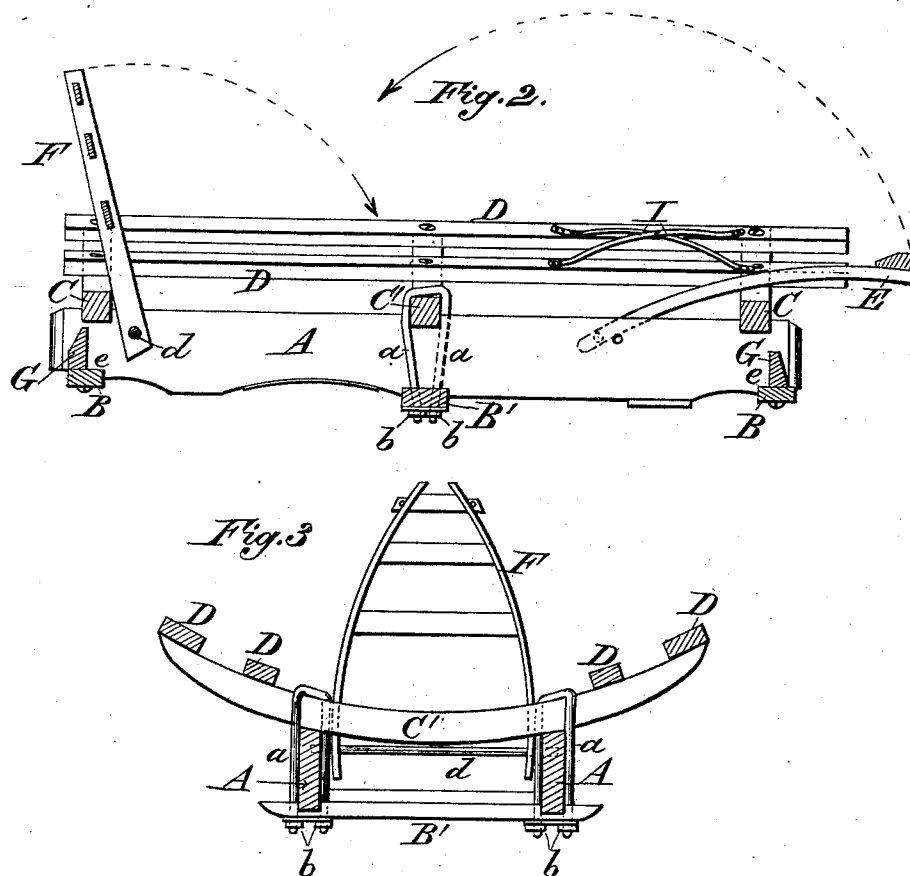
(No Model.)

J. W. EARDLY.
Hay Rack.

2 Sheets—Sheet 2.

No. 232,014.

Patented Sept. 7, 1880.



Attest:
H. H. Schott.
D. P. Cook

Inventor:
James W. Eardly
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UNITED STATES PATENT OFFICE.

JAMES W. EARDLY, OF CASCADE, MICHIGAN.

HAY-RACK.

SPECIFICATION forming part of Letters Patent No. 232,014, dated September 7, 1880.

Application filed July 23, 1880. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. EARDLY, a citizen of the United States, residing at Cascade, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Hay-Racks; and I 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction of a hay-rack, as will be hereinafter more fully set forth, and pointed out in the claims.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a perspective view of my hay-rack. Fig. 2 is a longitudinal vertical section, and Fig. 3 a transverse vertical section, of the same.

A A represent two parallel side pieces, connected at each end by a bed-plank, B, and in the center by a similar bed-plank, B'.

On top of the side pieces are the end ribs, C C, and the center rib, C', which have longitudinal boards D D secured to them on each side of the frame A B.

At the rear end of the rack is an extension, E, consisting of a straight bar with two curved side arms, which are pivoted to the outer sides of the side pieces, A A. This rear extension can be raised at will, giving convenience, length, and strength, with but little weight, and forms a firm support for the rear end of the load.

At the front end of the rack is a folding ladder, F, which is pivoted on a rod, d, and the side arms of said ladder extend sufficiently far below the rod so that when the ladder is dropped it rests on the rod, and the ends of its side arms latch under the curved end rib, and thus prevent the ladder from dropping below the bed of the rack.

The middle rib, C', is held by means of a gripe, a, at each side, which straddles the rib and side pieces, and has its ends passed through the bed-plank B', and nuts b b are then screwed upon the ends, whereby the parts are not weakened, as would be the case with bolts passing through them.

On the side pieces, A A, are secured stop-blocks h h, to rest upon the rear bolster of the wagon for holding the rack in place.

G G are the end boards of the rack, placed on the bed-planks B B in such a manner as to leave a ledge at e on the inner side, whereby a tight floor can easily be put in for saving loose grain and seed.

On the side boards, D D, which are attached to the ribs C C' on each side of the rack, are secured metal straps I I, which cross each other and are raised in the center to form wheel-guards, and at the same time strengthen the rack, with but little additional weight.

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

1. In a hay-rack, the pivoted rear extension, E, formed of a straight bar and two downwardly-curved side pieces, in combination with side pieces, A A, and end rib, C, constructed substantially as and for the purposes herein set forth.

2. The gripe a, in combination with the side piece, A, bed-plank B', and rib C', as and for the purpose specified.

3. In a hay-rack, the end boards, G, arranged upon the bed-planks B to form the inner ledges, e, for the purpose of receiving the bottom boards, as set forth.

4. The raised and crossed metal straps I I, in combination with the side boards, D D, of the hay-rack, for the purpose of forming a wheel-guard, as specified.

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

JAS. W. EARDLY.

Witnesses:

FRED S. CLARK,
EDWARD B. MOORE.