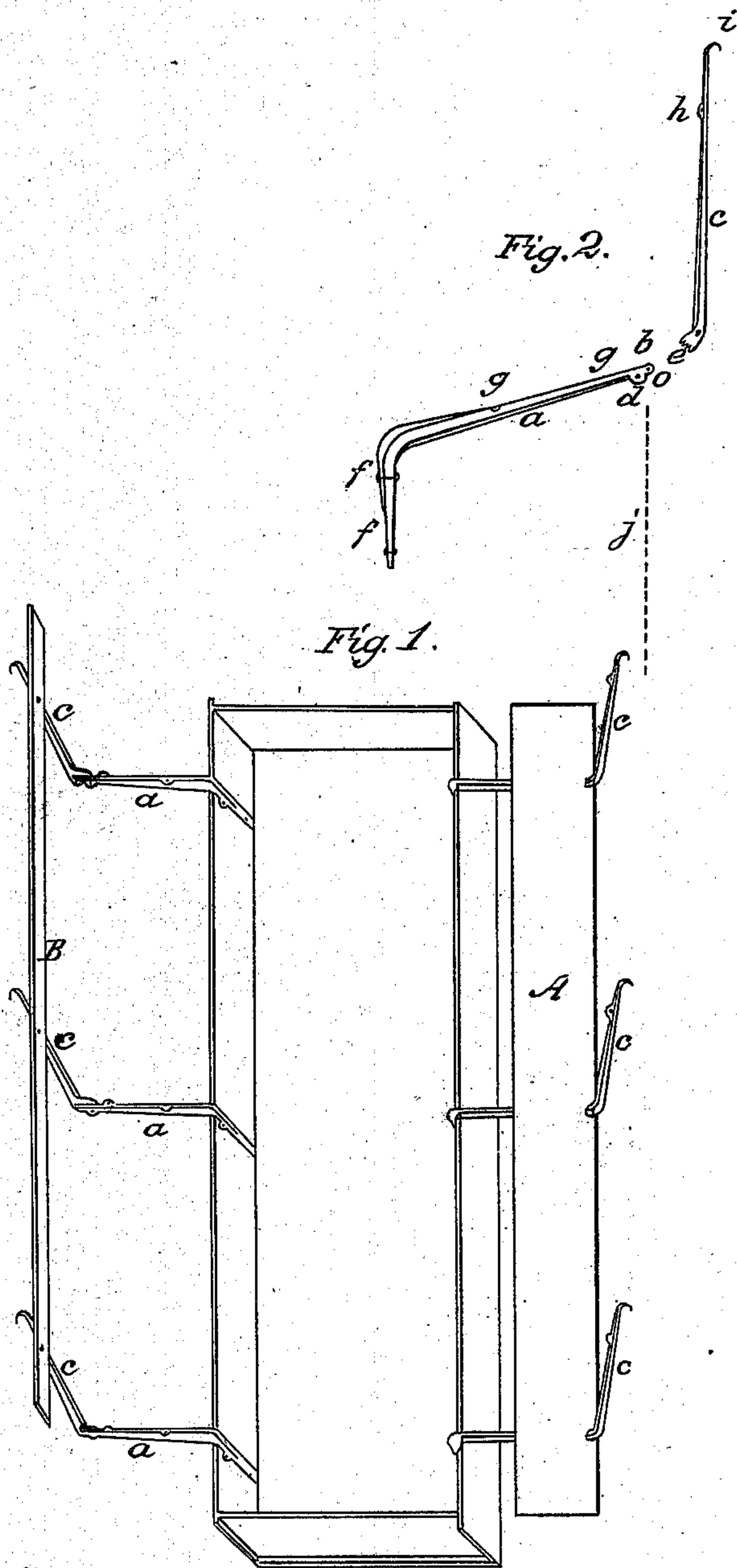


O. REED.

Hay-Rack.

No 35,352.

Patented May 20, 1862.



Witnesses  
P. R. L. Price  
C. H. Leffingwell.

Inventor.  
Osmond Reed.



# UNITED STATES PATENT OFFICE.

OSMOND REED, OF PARIS, MICHIGAN, ASSIGNOR TO HIMSELF AND ALLEN  
D. CHESEBRO, OF SAME PLACE.

## IMPROVED HAY-RIGGING.

Specification forming part of Letters Patent No. 35,352, dated May 20, 1862.

*To all whom it may concern:*

Be it known that I, OSMOND REED, of the town of Paris, in the county of Kent and State of Michigan, have invented a new and Improved Hay-Rigging; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same.

It is constructed of wood or iron, and to be attached to the box of a wagon or cart by bolts, or bolts and staples, and to be used in hauling hay, straw, barrels, or any other similar bulky material, reference being had to the annexed drawings, being a part of this specification, for a more full description.

Figure 1 is a perspective view showing the rigging attached to the box of the wagon with one side-board, A, on and one off; also one vertical side-board, B, on and one off. Fig. 2 is one of the arms, the two parts detached from each other. *a* is the projecting arm, extending about twenty inches outside of the box and raised from a horizontal line about twenty degrees, or sufficiently to clear the wheels of the vehicle, with a longitudinal vertical slit at the outer end, at *b*, to receive the vertical arm *c*, which is held there by a bolt at *o*, making an adjustable joint at *b* by inserting a pin at *d* and between the cogs *e*, holding the vertical arm at any required angle. *ff* are bolts or bolt and staple to fasten arm to box. *gg* are bolt-holes to fasten side-board

on projecting arms. *h* is bolt-hole to fasten side-board on vertical arms. *i* is hook or ring at the top of the vertical arm to pass rope through in binding the load.

The nature of my invention is such that in putting on a load, by setting the vertical arms at any required angle, the loader has something to guide him in building the load. After the load is on, by passing a rope from the hooks or rings at the tops of the vertical arms from side to side over the load it can be securely bound.

When the vertical arms are not wanted, as in unloading, they can be turned down in the direction of the dotted line *j*. When driving without any load, they can be turned down on the projecting arms.

What I claim as my invention, and desire to secure by Letters Patent to my assignees, is—

1. The wooden or iron arms constructed in the form substantially and for the purposes described.

2. The adjustable joint at the end of the projecting arm, for the purposes described.

3. The vertical arm with the hook or ring at the top, for the purposes described.

OSMOND REED.

In presence of—

P. R. L. PEIRCE,  
THOS. D. GILBERT.