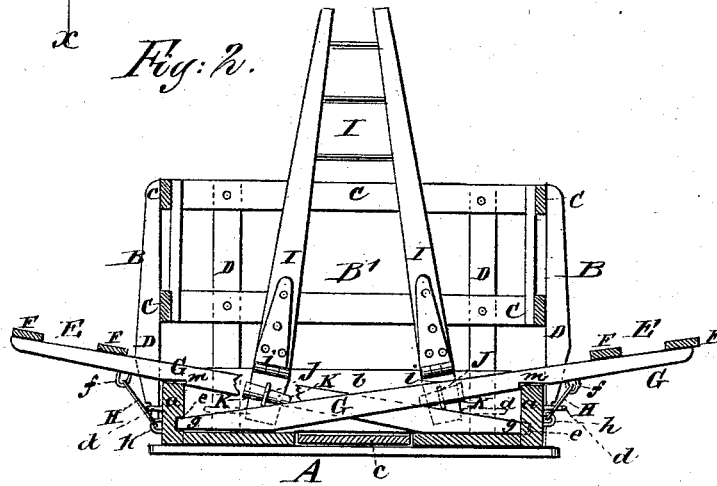
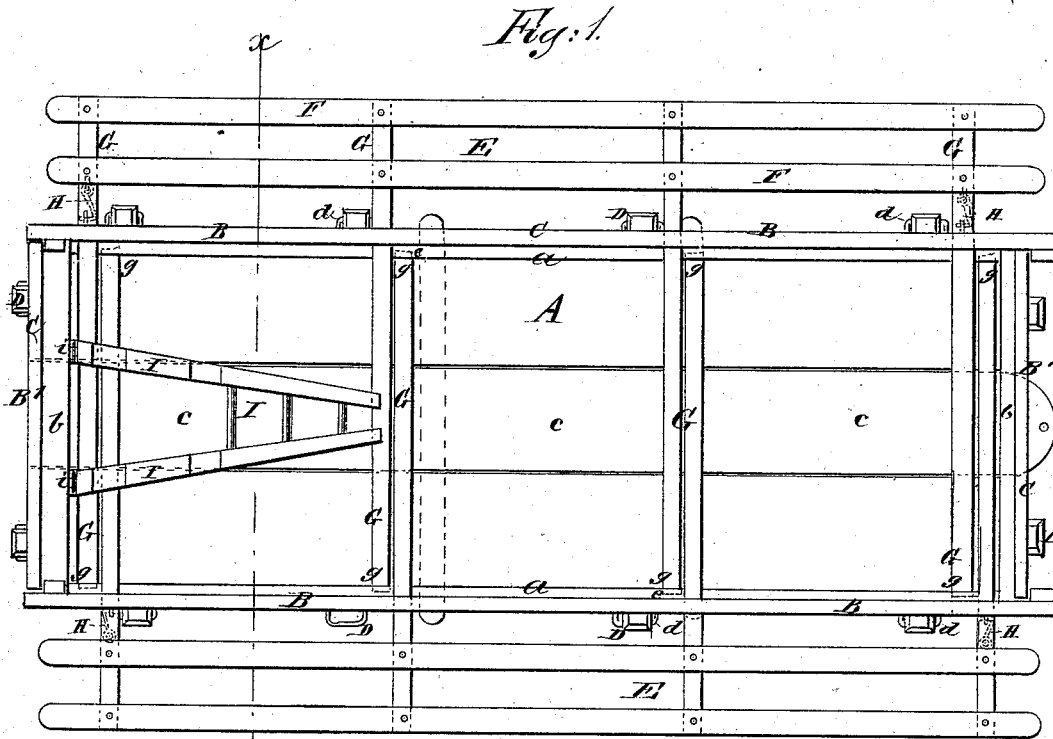


G. W. MARSLAND & A. HITCHCOCK.
Wagon-Rack.

No. 217,390.

Patented July 8, 1879.



WITNESSES:

Chas. Nida
C. Sedgwick

INVENTOR:

J. W. Marsland
A. Hitchcock

BY

Mumco

ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE W. MARSLAND AND ARNOLD HITCHCOCK, OF PANA, ILLINOIS.

IMPROVEMENT IN WAGON-RACKS.

Specification forming part of Letters Patent No. **217,390**, dated July 8, 1879; application filed August 20, 1878.

To all whom it may concern:

Be it known that we, GEORGE W. MARSLAND and ARNOLD HITCHCOCK, of Pana, in the county of Christian and State of Illinois, have invented a new and Improved Wagon-Rack, of which the following is a specification.

Our invention has for its object to provide a new and improved construction of racks for wagons to adapt them for the transportation of hay, grain, fodder, and similar articles, as well as for transporting hogs, sheep, and products of various kinds.

In the accompanying drawings, Figure 1 represents a top view of our improved wagon-rack. Fig. 2 is a vertical cross-section of the same, taken on the line *x x* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A is the box-bed of the rack, the sills *a* and end bars, *b*, fitting tight to the close bottom, which latter has a sliding board, *c*, removable from either end, for taking out seeds shaken off during transportation of grain and saved by falling into the tight box-bed A.

B are the side racks, and B' the end racks, of a vertical frame formed by securing horizontal rails C to upright posts D, and attachable to the box-bed A by inserting the lower ends of the said posts in staples *d* on the outside of the sills *a* and end boards or bars, *b*. This detachable frame B B' is used in combination with the box-bed A for transportation of sheep, hogs, &c.

When desired to transport hay, fodder, &c., the vertical frame is removed from the box-bed A, and a horizontal (or about horizontal) frame attached instead. This consists of the

two inclined side racks, E, formed of parallel longitudinal rails F, fastened upon cross-bars G, so as to extend along the outside of the sills *a*. For this purpose the bars G of each rack E are notched at *m*, and rest upon one of the sills *a*, and their ends *g*, reaching across the bed A, are inserted in mortises *e* in the inside of the opposite sill, near the bottom. To prevent them from rising from the sills and getting out of the said mortises, two or more of the bars G are provided outside of the bed A with a staple, *f*, and hook H, and secured by the latter to a staple, *h*, attached to the outer side of the sill *a*.

The ladder I in front of the bed, used for binding the load, is hinged to the inside of the front end board, *b*, so that it may be turned down, as in Fig. 1, or raised, as in Fig. 2. The lower leaf of each of the said hinges *i* is slotted to fit upon a staple, J, in the end bar, *b*, and is held firmly to the said bar *b* by a wedge or key, K, inserted through the said staple. By taking out the keys K the ladder I may be detached from the box-bed when required.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The wings G of a wagon-rack held to and on one side of its supporting-sill *a* by a device, *f h H*, and on the other side by a mortise in the opposite sill, as shown, and for the purpose specified.

GEORGE W. MARSLAND.
ARNOLD HITCHCOCK.

Witnesses:

G. P. LAWRENCE,
S. S. VROOMAN.