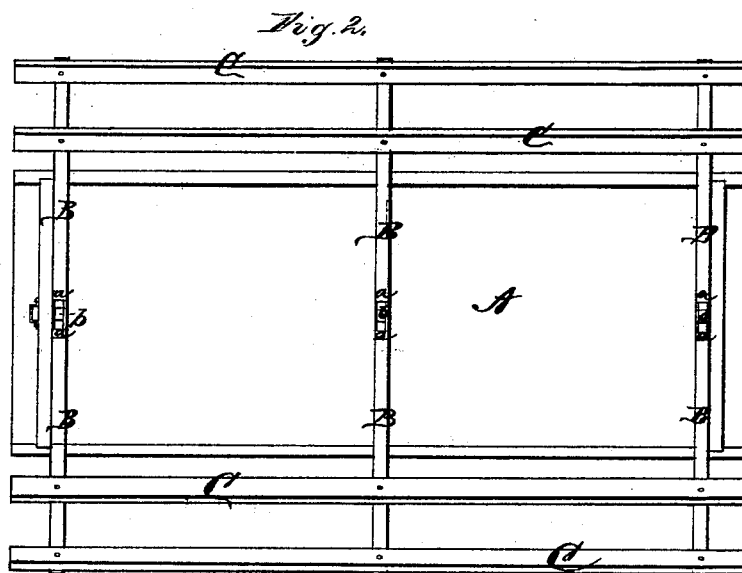
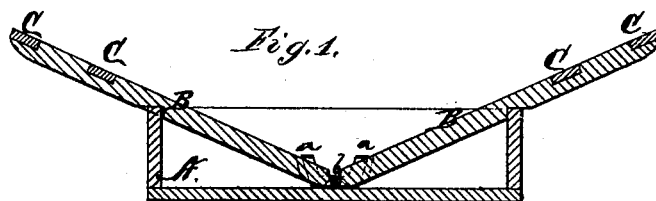


S. J. SMITH.

Hay Rack.

No. 109,261.

Patented Nov. 15, 1870.



Witnesses
Jno. A. Ellis
J. White

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STEPHEN J. SMITH, OF FARMINGTON, NEW YORK.

Letters Patent No. 109,261, dated November 15, 1870; antedated October 29, 1870.

IMPROVEMENT IN HAY-RACKS FOR WAGONS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, STEPHEN J. SMITH, of Farmington, in the county of Ontario and State of New York, have invented certain new and useful Improvements in the Formation of Hay-Racks for Wagons; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a hay-rack, and in the manner of fastening the same to the bottom of the wagon-box.

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 transverse vertical section, and

Figure 2 is a plan view of my hay-rack.

A represents the wagon-box, in the bottom of which are secured metal boxes, *a a*.

These boxes are placed in a line in the center of the wagon-box, and are constructed so as to form each two loops, facing one each side of the wagon-box, and each of these metal boxes is secured to the bottom of the wagon-box by means of a bolt, *e*, in the center.

In the loops of the metal boxes *a a* are inserted the lower ends of levers or arms *B B*, which rest upon the sides of the wagon-box, and the arms on each side of the wagon are connected by slats *c c*, forming the rack.

At the point where the arms *B B* touch the sides of the wagon-box *A*, they are notched, as shown in fig. 1, so as to fit on the edge thereof.

The inclination of the rack thus constructed is readily regulated by the length of the bolt *b*.

This rack is simple in construction, cheap, and can readily be put up, or taken down and placed under shelter.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The hay-rack *B C*, constructed as described, and attached to the bottom of the wagon-box by means of the metal boxes *a a* and bolts *b b*, substantially as herein set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

STEPHEN J. SMITH.

Witnesses:

HINMAN E. SMITH,
W. B. JOHNSON.