C. WILLIAMS.

HAY-RACK.

No. 192,804. Patented July 3, 1877.

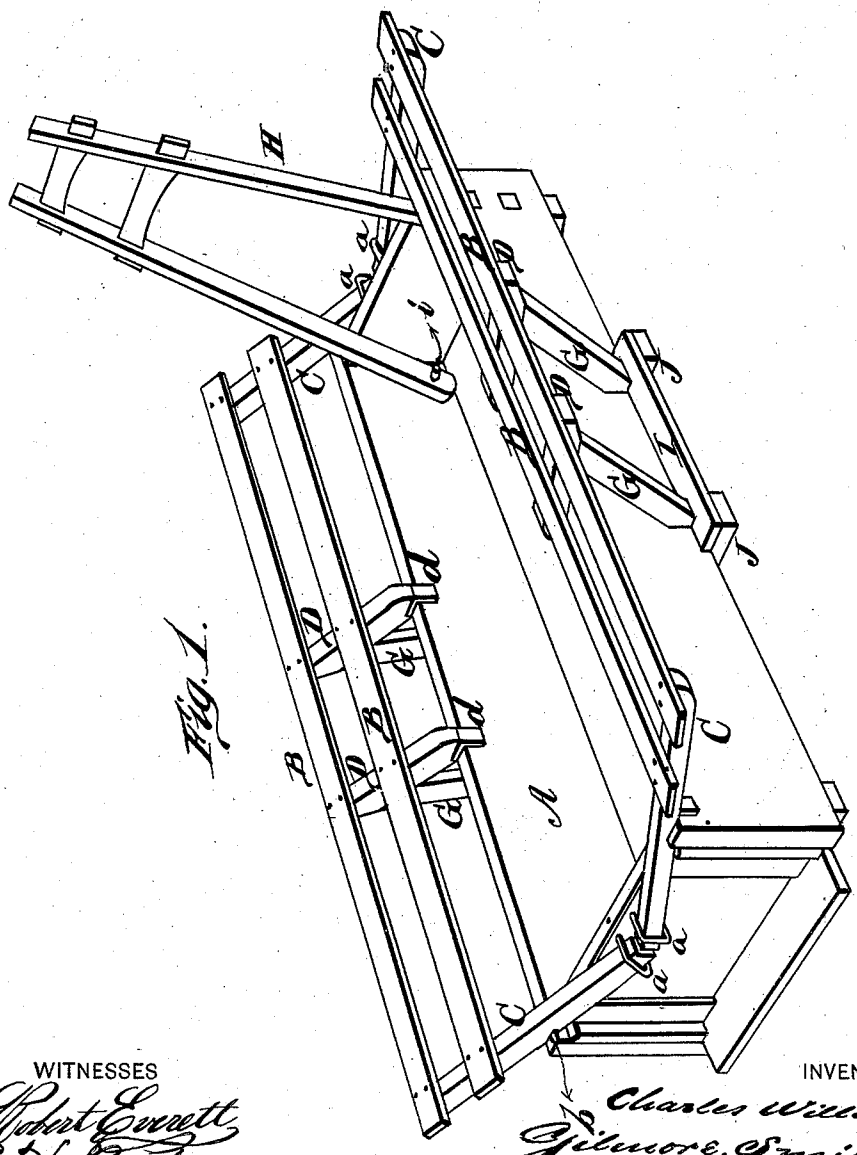


Fig. 1.

WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES WILLIAMS, OF PLAINWELL, MICHIGAN.

IMPROVEMENT IN HAY-RACKS.

Specification forming part of Letters Patent No. **192,804**, dated July 3, 1877; application filed May 26, 1877.

To all whom it may concern:

Be it known that I, CHARLES WILLIAMS, of Plainwell, in the county of Allegan and State of Michigan, have invented a new and valuable Improvement in Hay-Racks and Wagon-Bodies; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my hay-rack and wagon-body.

My invention relates to wagon-bodies; and it consists in the construction of a removable hay-rack for the same, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents a wagon-box, of any ordinary construction, to each side of which is applied a rack, consisting of two or more longitudinal bars, B B, attached to arms C C at their ends, and two or more shorter intermediate arms, D D.

The lower ends of the outside arms C C are placed in staples *a a*, fastened on the outside of the end pieces of the box A. These arms are also notched at *b*, so as to sit square down on the side of the box at the ends. This together with hooks *d d* on the ends of the center arms D fitting over the side of the box, prevents the shelving bars or boards B from getting off sidewise.

Each arm D is provided with a brace, G, which rests on a step, I, at the bottom of the box, said steps being fastened to cross-bars J J, attached under the bottom of the box.

These braces G may either be stationary with the arms D or may be connected to them in such a manner as to be capable of being folded close to them when the rack is not in use.

H represents a ladder, the lower ends of the arms of which are sprung onto pins or bolts *i* in the side pieces of the box, near the bottom at the front end. This ladder can be turned down on the bottom of the box, or the side pieces or arms thereof sprung off from the pins.

In a full-sized rack these pins will be made removable, and the tail-board being constructed in any suitable manner the farmer has a box for all purposes on the farm; and a hay-rack, when the shelving-boards are attached, with a tight bottom, catching all the shelved grain, and one that is easily changed by one man from one to the other.

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

The combination, with a wagon-box, A, having staples *a* in its ends and steps I at the sides, of the boards B, end arms C notched at *b*, the central arms D with hooks *d*, and the braces G, substantially as and for the purposes herein set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES WILLIAMS.

Witnesses:

DANIEL EARLE,

PETER HATFIELD.