

No. 609,102.

Patented Aug. 16, 1898.

S. B. HURD.  
HAYRACK.

(Application filed Apr. 12, 1898.)

(No Model.)

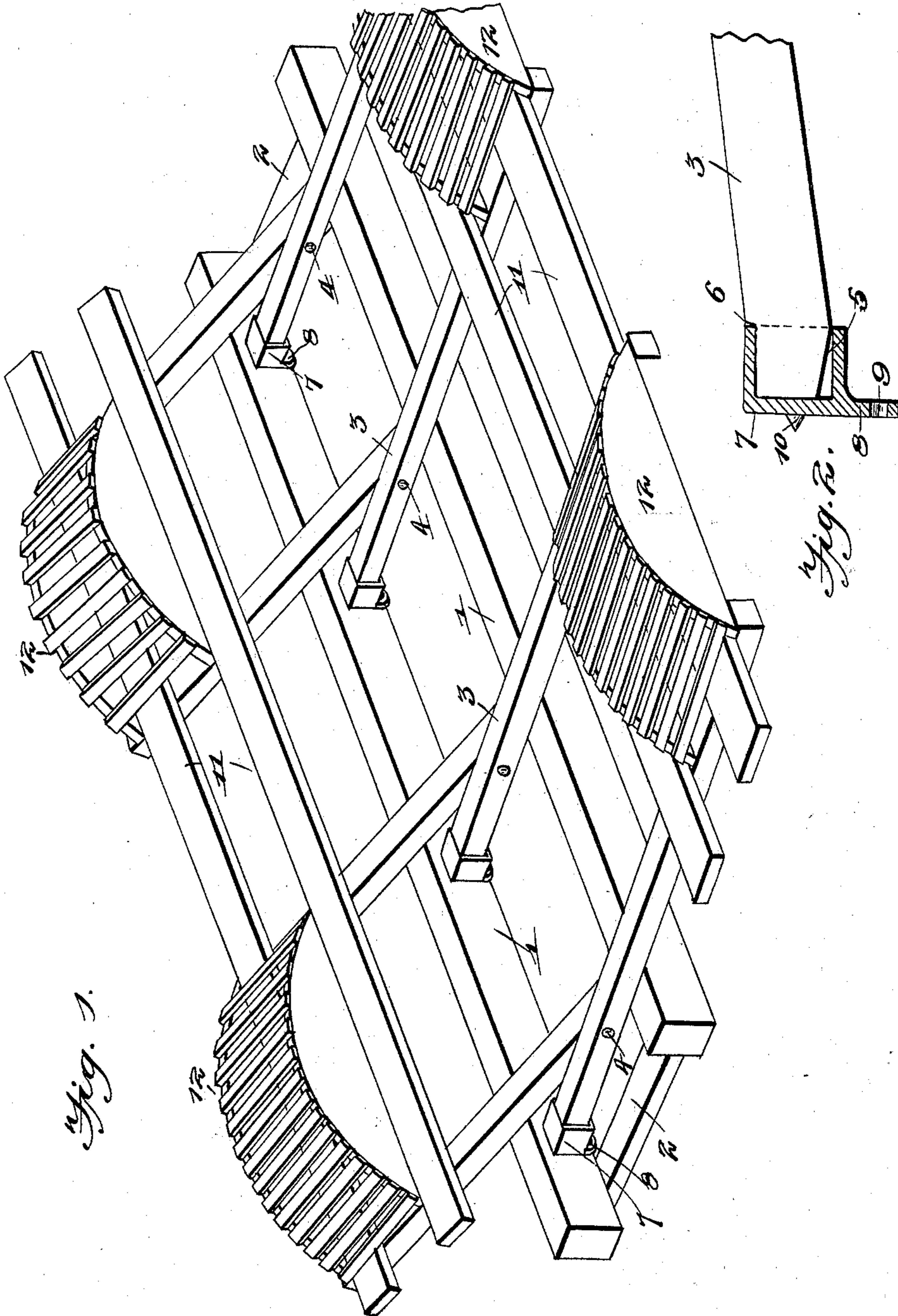


Fig. 1.

Fig. 2.

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# UNITED STATES PATENT OFFICE.

SAMUEL B. HURD, OF EARLVILLE, ILLINOIS.

## HAY-RACK.

SPECIFICATION forming part of Letters Patent No. 609,102, dated August 16, 1898.

Application filed April 12, 1898. Serial No. 677,314. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL B. HURD, a citizen of the United States, residing at Earlville, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Hay-Racks; and I do 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.

The invention has relation to hay-racks.

The object of the invention is to simplify the construction and to provide a hay-rack which may be easily removed from the wagon-body and folded into small compass, thereby facilitating its transportation as well as requiring but small space within which to place it when not in use.

With this object in view the invention consists in certain features of construction and combination of parts, which will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved hay-rack, and Fig. 2 is a longitudinal sectional view through one of the hinged bar-tenons and the tenon-socket.

In said drawings, 1 denotes the longitudinal supporting-beams, which are adapted to be supported upon the body or running-gear of a wagon. These beams are connected together by cross-pieces 2.

3 denotes the rack-bars, the inner ends of which are crossed and pivoted by bolts 4. The extremities of the inner ends have their lower edges beveled, as shown at 5, and recessed, as shown at 6, to adapt them to the tenon-sockets 7, secured to the inner sides of the beam.

The recess 6 enables me to secure a flush-joint between the upper wall of the tenon-socket and the upper edge of the bars, and

the bevel edges 5 enable me to swing the rack-bars out of the boxes in the act of removing the rack from the longitudinal beams.

The tenon-sockets are preferably cast in a single piece and have downwardly-projecting lips 8, provided with bolt-holes 9. Lugs 10 are formed on the rear sides of the boxes and are adapted to be embedded in the longitudinal supporting-beams and in connection with bolts 9 serve to secure the tenons to said beams.

11 denotes the rack-boards, secured to the rack-bars, and 12 denotes the wheel-guards.

The device thus constructed is simple and strong and may be easily taken apart for the purpose of transportation and storage and will require but little space, as it can be folded into small compass.

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

The combination with the longitudinal supporting-beams, of tenon-sockets having a bolt-hole, and having on their rear edges embedding prongs or studs, bolts passing through said holes, the rack-bars having their inner ends crossing one another and pivoted together, and having at their extremities a beveled portion and a recessed portion, the beveling being on the lower edge of the bars and the recessing on the upper edge of said bars, rack-boards secured to said rack-bars, and wheel-guards secured to said rack-bars, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

SAMUEL B. HURD.

Witnesses:

H. V. CHASE,  
C. A. FRANK.