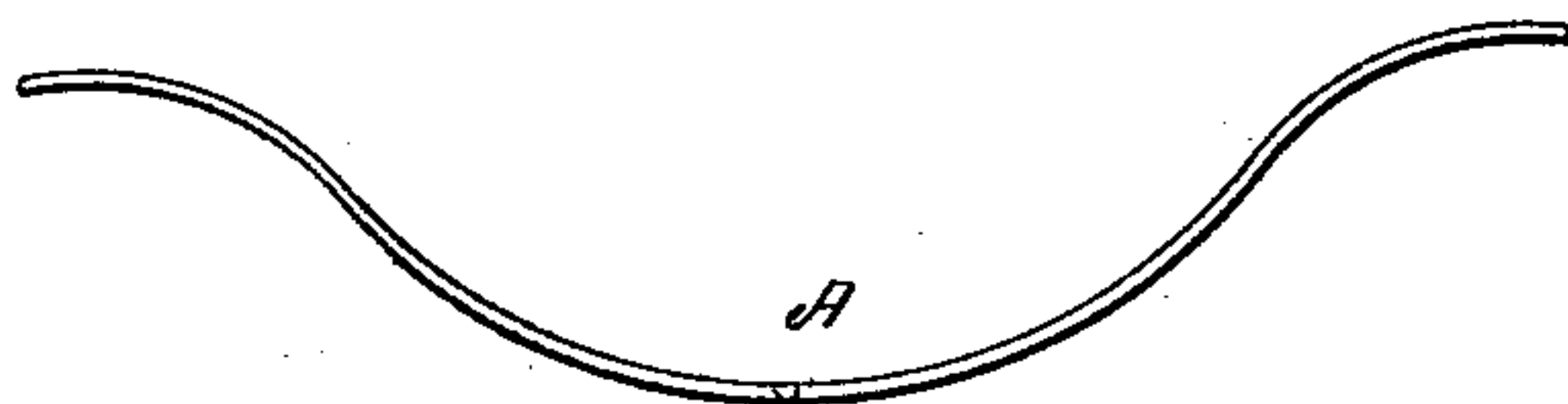
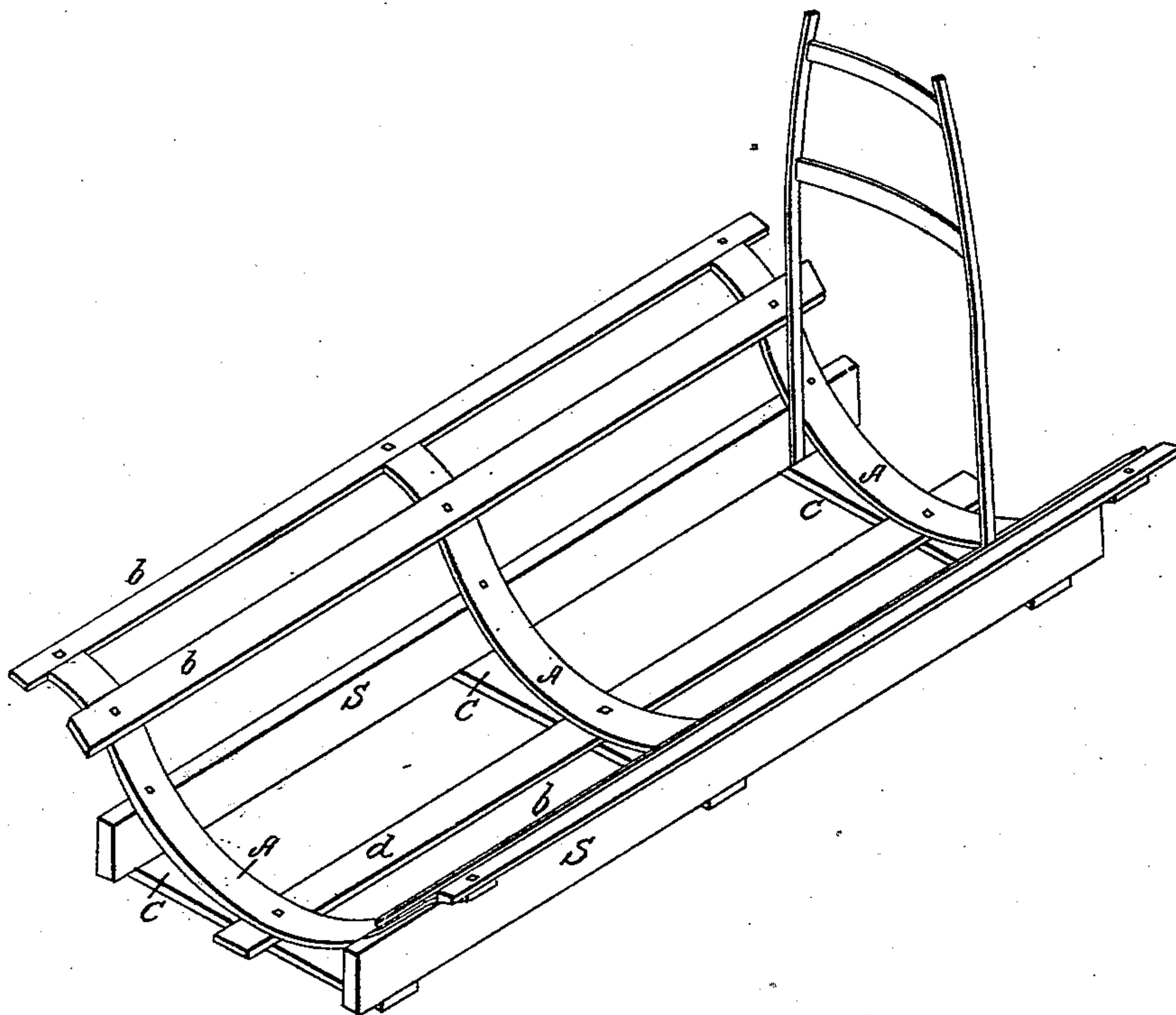


D. MATTESON.

Hay Rack.

No. 93,897.

Patented Aug. 17, 1869.



Witnesses  
John W. Scott.  
J. P. Galpin.

Inventor:  
David Matteson.

# United States Patent Office.

DAVID MATTESON, OF PITTSFIELD, MICHIGAN.

*Letters Patent No. 93,897, dated August 17, 1869.*

## IMPROVEMENT IN HAY-RACKS.

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, DAVID MATTESON, of Pittsfield, in the county of Washtenaw, State of Michigan, have invented a new and useful Improvement in Hay-Racks; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of my invention is to construct a hay or grain-rack, which shall be light, strong, and durable, and, at the same time, of the form best adapted for loading or unloading therefrom.

To construct my improved hay-rack, I place lengthwise two pieces, S S, of suitable length and size, (usually, two-by-eight-inch scantling,) these being fastened underneath, to the cross-ties C C, directly over which are placed the bent ribs A A.

These ribs are of oak, or other suitable timber, bent to the form shown in the drawings, and are firmly fastened by bolts or pins to the bed-pieces S S and the cross-ties C C.

Strips of board, b b, of suitable size, are likewise fastened, at convenient distances, upon the ribs, and serve to complete the rack.

At the centre of the rack there is just space enough between each rib and its cross-tie, to admit the strip of board d, which is firmly fastened at each joining, by a bolt passing through the three pieces.

It will be seen, by reference to the drawings, and this description, that strength and lightness are, at the same time, obtained by the use of bent ribs, connected in the manner specified.

The form of the rack, always an important practical point, is also materially improved, the wheels being kept free from interference with the loading, at the same time, as much as possible of the bulk of the load is placed low between them.

### *Claim.*

I claim the combination of the several parts A, S S, C, b b, and d, when each is constructed as described, and the whole are united and arranged as specified.

DAVID MATTESON.

Witnesses:

JOHN N. GOTT,  
F. P. GALPIN.