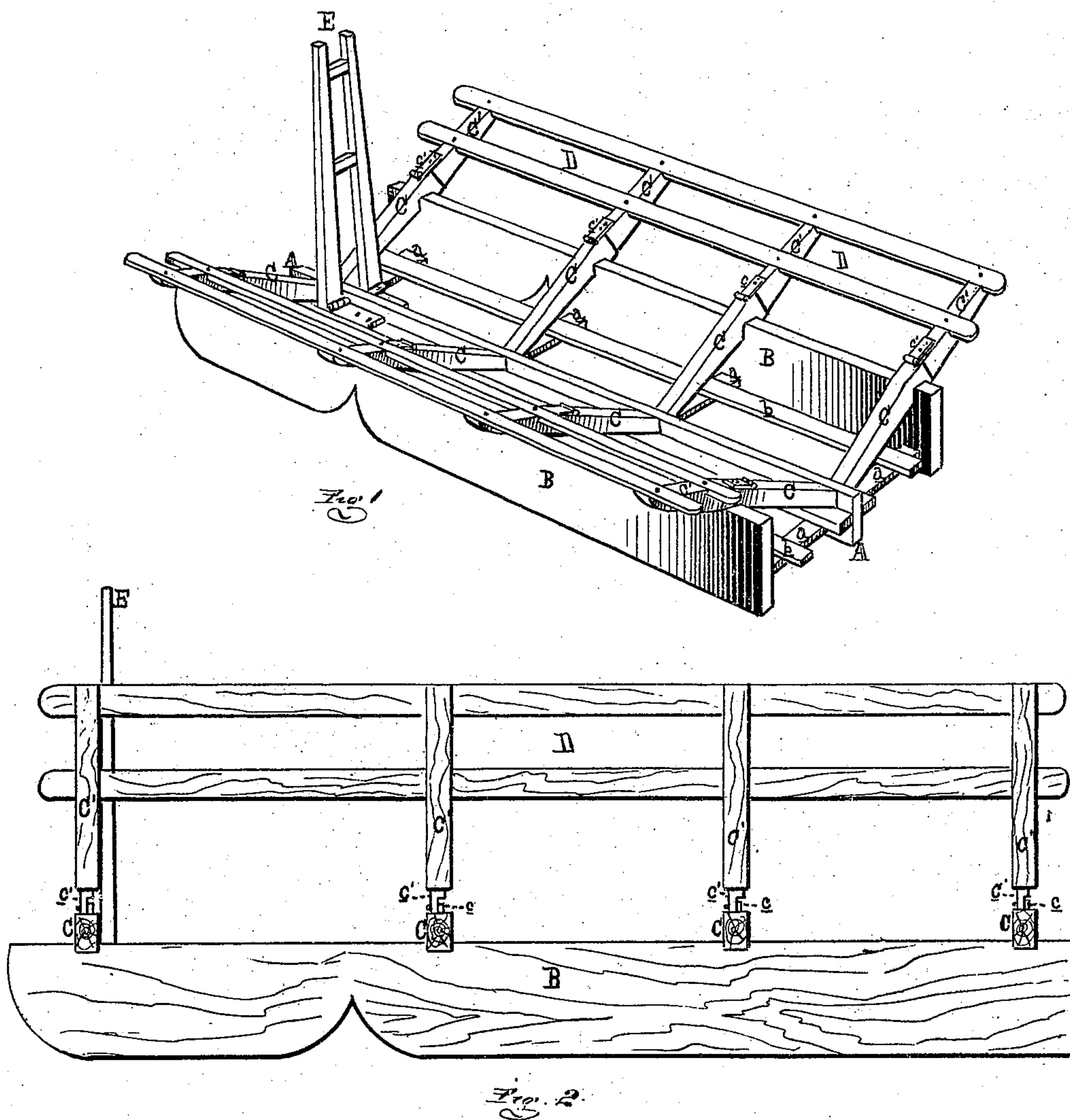


J. MANDIGO.

Improvement in Hay-Racks.

No. 119,627.

Patented Oct. 3, 1871.



ATTEST:

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UNITED STATES PATENT OFFICE.

JEREMIAH MANDIGO, OF WAYLAND, MICHIGAN.

IMPROVEMENT IN HAY-RACKS.

Specification forming part of Letters Patent No. 119,627, dated October 3, 1871.

To all whom it may concern:

Be it known that I, JEREMIAH MANDIGO, of Wayland, in the county of Allegan and State of Michigan, have invented a new and useful Improvement in Hay-Racks; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a perspective view of my device with the arms extended to form a hay-rack; and Fig. 2 is a side elevation with the arms or wings raised to form a wool-rack.

Similar letters of reference indicate corresponding parts in the several figures.

The nature of this invention relates to an improvement in the construction of hay-racks, whereby they are rendered more effective, easier handled, and capable of being used for other purposes; and it consists in the peculiar construction and arrangement of its various parts, as more fully hereinafter set forth.

In the drawing, A represents the central longitudinal sill, set up edgewise; and B, the side boards of the bed. *a* are girts mortised into the side boards and through the center sill, and on these are laid the longitudinal strips *b*, the whole forming the bed of the rack. For facilitating the turning of the vehicle which carries it the side boards are cut away, as shown, to allow the fore wheels to cramp under the bed. C are arms loosely stepped at their lower ends in sockets formed in the sides of the center sill A, while their upper ends project a little outward from the sides B, whose edges have gains cut in them

to receive the arms. Each arm is secured to the side by a pintle, *c*, having a thread on its end, and screwed through the arm into the side. D are the wings, composed of a couple of longitudinal strips secured to arms C', placed as far apart as the arms C. The inner end of each arm C' has secured to it the leaf of a strap hinge, *c'*, so that the wings may be secured to the bed by hinging them to the pintles of the arms C, the wing-arms C' forming prolongations thereof. To prevent the hinges from sliding off the pintles in going down hill, the ends of arms C' may be provided with dowels to engage with the ends of the arms C. E is a hinged ladder at the front end of the bed, both ends of which should be provided with a suitable end board. By hooking up the wings in a vertical position, as shown in Fig. 2, a very convenient rack is had for carrying wool and other bulky material. By raising the wings a little they may be easily slipped off the pintles and stored away under cover, leaving the bed for hauling stone, bagged grain, or other heavy material.

The rack entire is easily handled by one man, and can be preserved from the effects of the weather, as it is so easily stowed under cover.

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

The construction and arrangement of the sill A, sides B, girts *a*, strips *b*, arms C C', wings D, pintles *c*, and hinges *c'*, as and for the purpose set forth.

JEREMIAH MANDIGO.

Witnesses:

H. F. EBERTS,
MYRON H. CHURCH.

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