

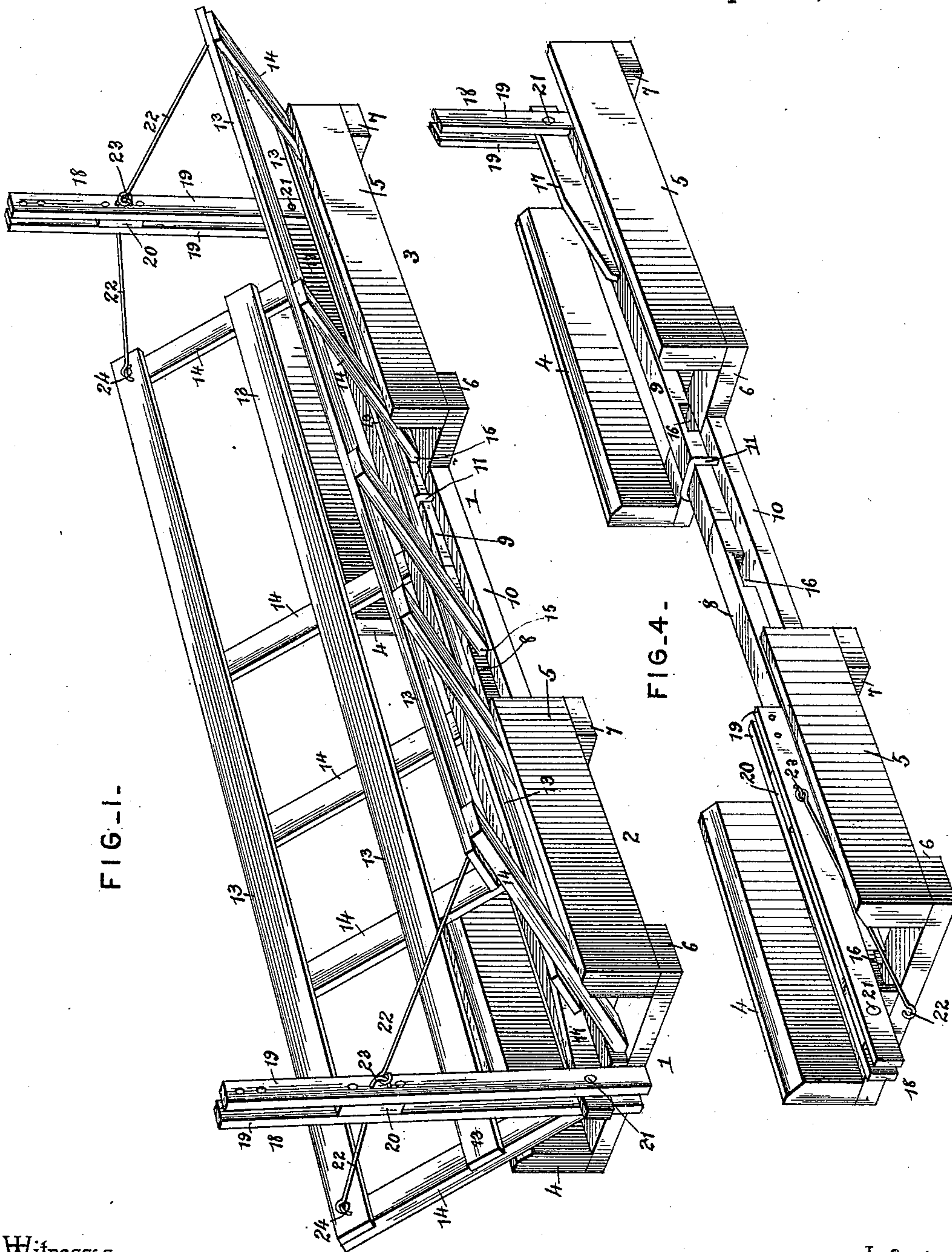
(No Model.)

2 Sheets—Sheet 1.

S. H. PETRO & M. DARNELL.  
HAY RACK.

No. 450,977.

Patented Apr. 21, 1891.



Witnesses

Jas. K. McLaughlin  
H. F. Riley

Inventors

Samuel H. Petro  
Milton Darnell  
By their Attorneys,

C. A. Snow & Co.

(No Model.)

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FIG. 2—

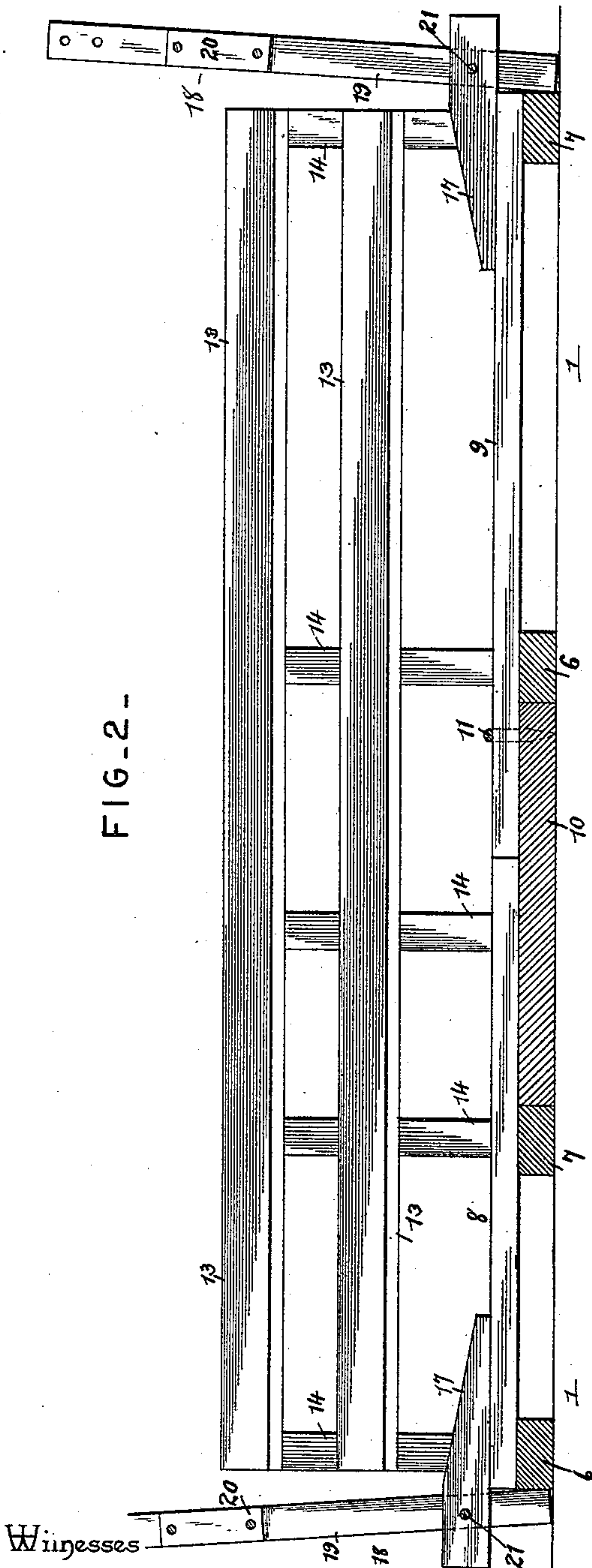
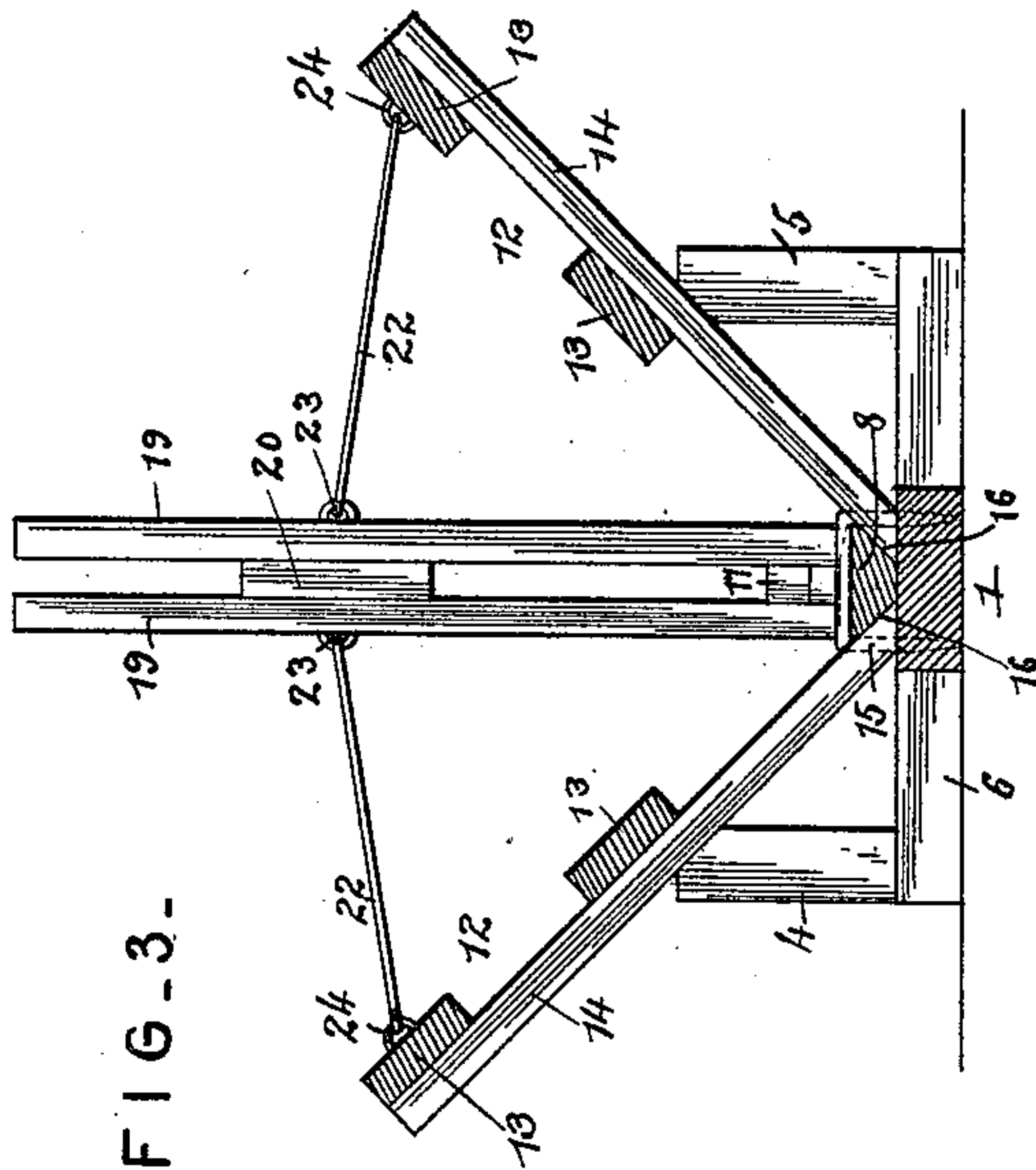


FIG. 3—



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# UNITED STATES PATENT OFFICE.

SAMUEL H. PETRO AND MILTON DARNELL, OF DARLINGTON, INDIANA,  
ASSIGNORS OF ONE-THIRD TO WILSON HUNT, OF SAME PLACE.

## HAY-RACK.

SPECIFICATION forming part of Letters Patent No. 450,977, dated April 21, 1891.

Application filed December 8, 1890. Serial No. 373,950. (No model.)

*To all whom it may concern:*

Be it known that we, SAMUEL H. PETRO and MILTON DARNELL, citizens of the United States, residing at Darlington, in the county of Montgomery and State of Indiana, have invented a new and useful Hay-Rack, of which the following is a specification.

The invention relates to improvements in hay-racks.

10 The object of the present invention is to simplify and improve the construction of hay-racks, and to enable the same to be readily separated and quickly assembled and placed in operative position when desired.

15 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

20 In the drawings, Figure 1 is a perspective view of a hay-rack embodying the invention. Fig. 2 is a longitudinal sectional view. Fig. 3 is a transverse sectional view. Fig. 4 is a perspective view of the bed-frame, the side racks being removed.

25 Referring to the accompanying drawings, 1 designates a bed-frame designed to be mounted on suitable running-gear, and composed of two separable sections 2 and 3, composed of longitudinal sills 4 and 5 connected by transverse bars 6 and 7. The sections 2 and 3 are separated to provide spaces or openings at opposite sides of the vehicle for the wheels to facilitate turning the vehicle, and the sections 30 are coupled by central longitudinal bars 8 and 9, secured to the transverse bars 6 and 7, and projecting inward from the sections toward the center of the hay-rack. The central bar 9 has secured to its lower face a coupling-bar 10, extending beyond the inner end of the central bar 9, and between the transverse bars 6 and 7 at the inner ends of the sections when the latter are assembled; and it is provided at its end adjacent to the section 2 with a keeper or loop 11, to receive the projecting end of the 45 central bar 8.

The sections are held together by side racks or wings 12, composed of longitudinal bars 13, connected at intervals by inclined bars 14,

which have their lower ends 15 beveled and resting upon the transverse bars 6 and 7, and engaging recesses 16 in the opposite sides of the central bars 8 and 9. The side racks or wings 12 are inclined in the usual manner, and the upper edges of the longitudinal sills 4 and 5 are beveled and support the racks in their inclined position.

The outer ends of the central bar have secured to their upper faces projecting blocks 17, which extend beyond the section and have pivotally connected to them the binding-standards 18, which are composed of bars 19, separated by spacing-blocks 20 to provide recesses at the top to receive a binding-pole, and recessed at their lower ends to receive the projecting blocks 17, to which they are connected by pivots 21, and the said binding-standards are arranged to fold upon the central bar when not in use. The upper ends of the binding-standards are provided with perforations to afford means for securing the binding-pole.

The binding-standards, when the parts are assembled, are connected to the ends of the side racks or wings by rods 22, which are provided at one end with eyes which are secured to opposite sides of the standards by staples 23, and the free ends of the rods are provided with hooks, which engage staples 24 secured to the ends of the top longitudinal bar 13.

It will be seen that the hay-rack is simple and inexpensive in construction and adapted to be readily assembled and separated when desired.

What we claim is—

1. In a hay-rack, the combination of the sections, the central bars secured to the sections and projecting inward and provided upon opposite sides with recesses, the coupling-bar 10, secured to one of the central bars and projecting beyond the same and provided with a loop or keeper adapted to receive the projecting end of the other central bar, and the side rack engaging the recesses of the central bar and securing the parts together, substantially as described.

2. In a hay-rack, the combination of the sections provided with the projecting blocks, the binding-standards composed of bars and

having spacing-blocks arranged between the bars and forming recesses, said standards having their lower ends receiving the projecting blocks and being pivoted thereto, and the side  
5 racks or wings engaging the sections, substantially as described.

In testimony that we claim the foregoing as

our own we have hereto affixed our signatures in presence of two witnesses.

SAMUEL H. PETRO.  
MILTON DARNELL.

Witnesses:

W. L. LEE,  
W. W. MORGAN.