

(No Model.)

VAN B. PERRINE & W. S. BOON.
APPARATUS FOR LOADING LUMBER.

No. 592,121.

Patented Oct. 19, 1897.

Fig. 1.

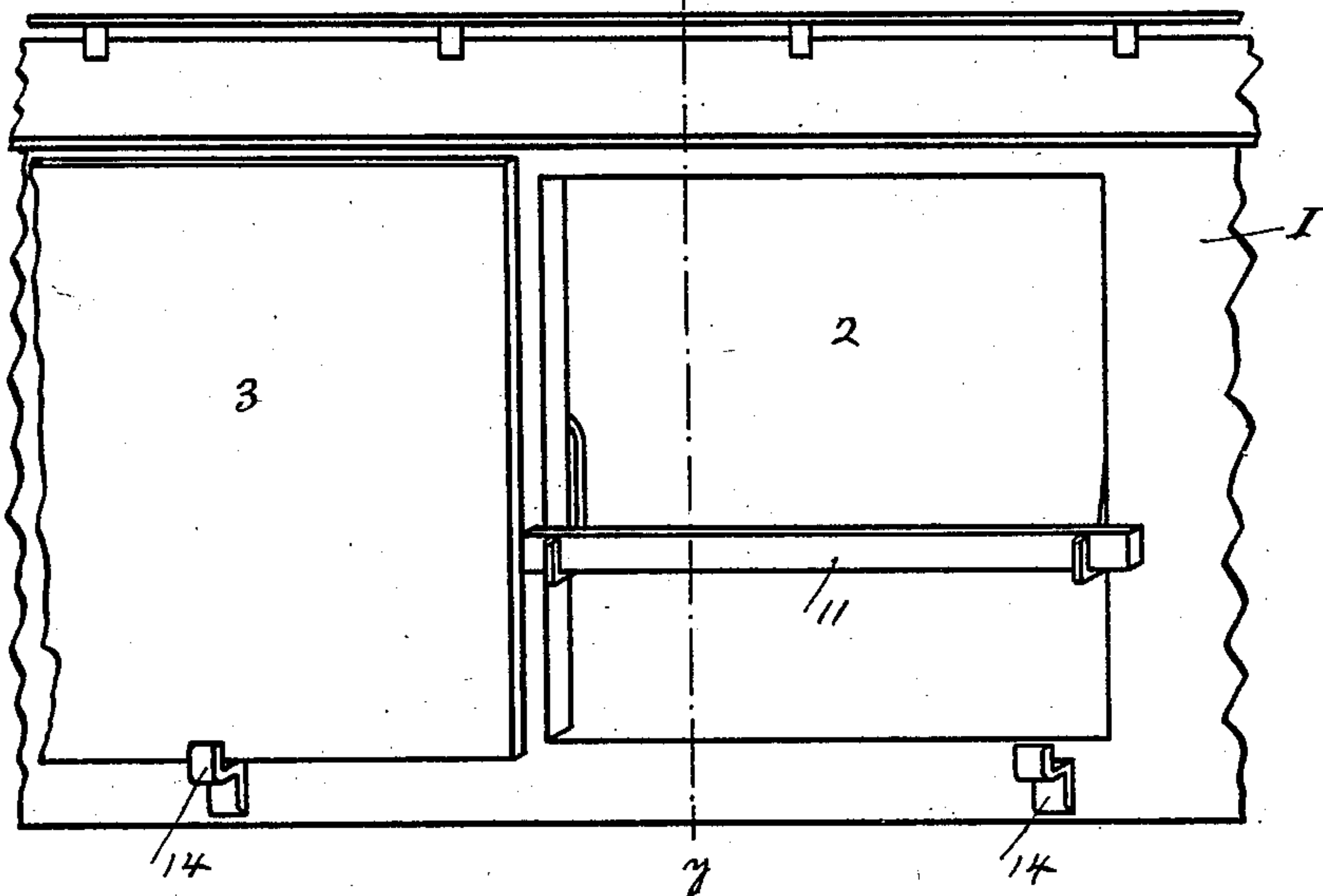


Fig. 2.

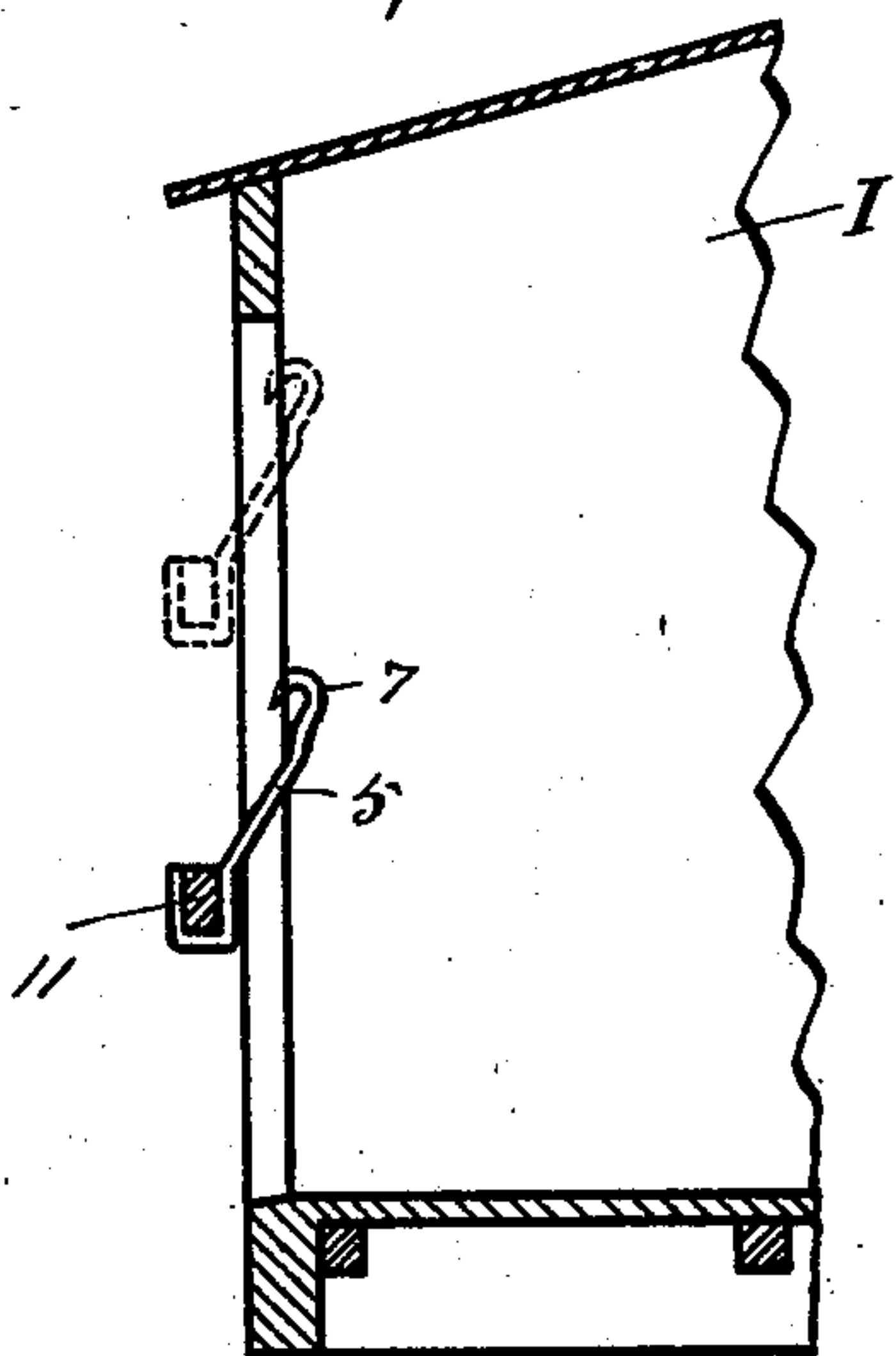


Fig. 3.

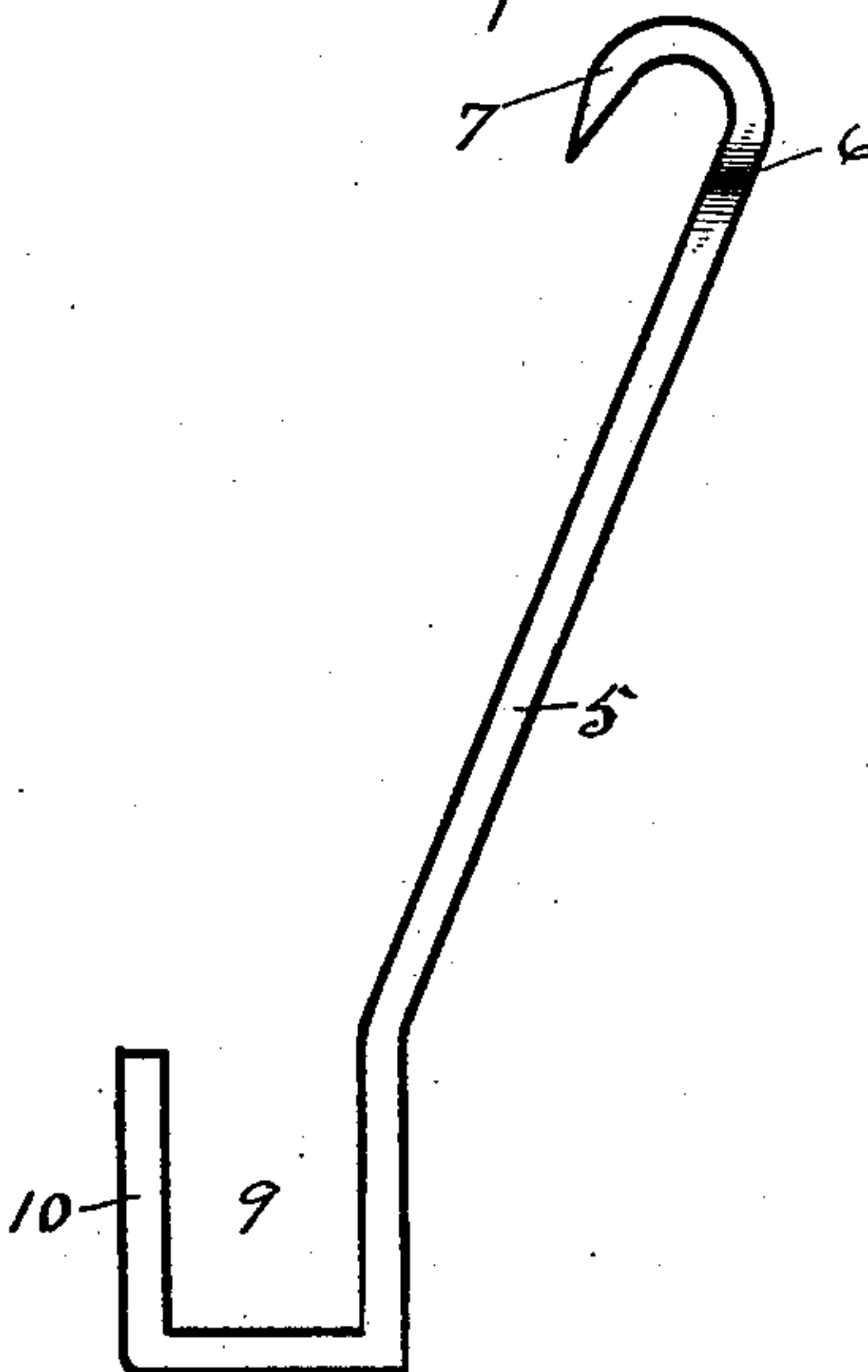
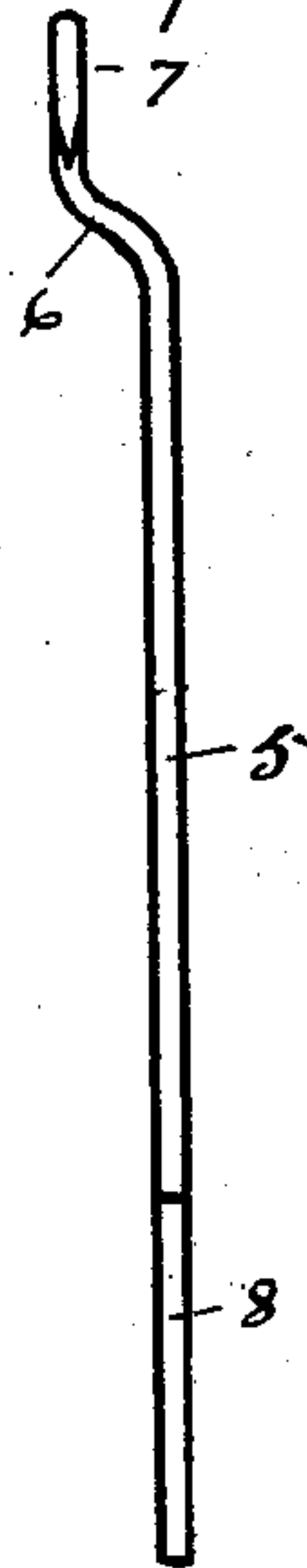


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

VAN B. PERRINE, OF FORT WAYNE, INDIANA, AND WILLIAM S. BOON, OF MONTPELIER, OHIO.

APPARATUS FOR LOADING LUMBER.

SPECIFICATION forming part of Letters Patent No. 592,121, dated October 19, 1897.

Application filed April 9, 1897. Serial No. 631,371. (No model.)

To all whom it may concern:

Be it known that we, VAN B. PERRINE, residing at Fort Wayne, Allen county, State of Indiana, and WILLIAM S. BOON, residing at Montpelier, in the county of Williams, in the State of Ohio, citizens of the United States, have invented certain new and useful Improvements in Apparatus for Loading Lumber; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

Our invention relates to improvements in apparatus for loading lumber, specially designed and adapted for loading lumber in box-cars.

It is well known that in loading lumber into box-cars a temporary rest, support, or carrier for the lumber arranged transversely of the doorway, and which can be vertically adjusted therein as the loading of the car progresses, is desirable.

The object, therefore, of our invention is to provide a simple, cheap, and substantial lumber-loading device which can be readily and conveniently adjusted to any desired height in the car-doorway as the loading of the car progresses.

Our invention comprises a pair of curved and bent metallic hangers having their hooked upper end adapted to securely grip the side of the car at the doorway, and having their lower end adapted to receive and support a proper cross-piece or rectangular carrier, preferably of wood, detachably fixed in the lower end of said hangers and adapted to support the lumber in the act of loading.

The novel feature of our invention consists in the construction of the supporting-hangers whereby they are adapted for a convenient vertical adjustment and secure anchorage when in use.

Similar reference-numerals indicate like parts throughout the several views, in which—

Figure 1 is a perspective view of our improvement in position for use in car-doorways, showing the car and car-door partly

broken away. Fig. 2 is a vertical section of Fig. 1, taken on the line *y y*, showing the manner of anchoring the hangers in position. Figs. 3 and 4 are enlarged details of the said hangers.

The hangers 5, of suitable metal and of proper strength and dimensions, are identical in form and proportions except that the lateral curvature of the top portion is in opposite directions to admit of anchorage at opposite sides of the doorway 2. The said hangers have upon their upper end a sharp pointed anchoring-hook 7, arranged out of alinement with the main body of the hanger, but connected therewith by the curved portion 6, Fig. 4, and adapted to be readily embedded for a holding engagement in the side of the car 1 at any desired point immediately adjacent to the doorway 2. The lower end of said hangers is bent into a rectangular form out of alinement with the body thereof, for the purpose of normally securing the carrier-timber 11 in an upright position when in use, while the body of said hanger is arranged in an oblique position, Fig. 2, when in use. The hangers thus constructed are adapted to be readily and conveniently adjusted by the operator at any desired height by firmly fixing or inserting the point 7 in the inner face of said car adjacent to the open doorway 2, Figs. 1 and 2, with their bent lower end projecting through said doorway with the main portion of said hanger arranged in an oblique position, as described. In the bent lower ends of said hangers 5 is snugly but removably mounted a cross-piece or carrier 11 of proper strength and rigidity, preferably rectangular in form and of hickory timber, and of sufficient length to project a few inches upon both sides of the said doorway, with the inner face of said ends bearing against the side of the car when in use. It is obvious that the lateral pressure against said carrier 11 incident to the loading of the lumber can have no tendency to disengage said hangers 5 from their anchorage, that the greater the weight of the lumber upon said carrier the more deeply will the hooks 7 be embedded and the more firmly they will be secured to their anchorage. In practical use it is desirable to properly grease the upper surface of said carrier

to lessen the sliding friction of the lumber thereon.

Our device thus constructed is cheap, simple, conveniently portable, and readily adjustable.

Having thus described our invention and the manner of employing the same, what we desire to secure by Letters Patent is—

1. The combination in a lumber-loading apparatus of a pair of adjustable metallic hangers 5 having upon their upper end a hook 7 laterally bent, as shown, for the purpose specified, and provided upon its lower end with a carrier-receiving portion 10; and
15 a carrier 11 removably mounted in said portion 10 and having its projecting ends adapted to secure the said hangers from derangement in the operation of loading lumber thereon, all substantially as described.

20 2. In a lumber-loading device, a pair of metallic hangers 5 having a hook 7 arranged as shown by a curvature 6, whereby the said

hangers are adapted for an oblique arrangement in the car-doorway, and for a vertical adjustment and a hooked engagement with 25 the sides of said doorway, and provided upon their outer and lower end with a carrier-support 10 out of vertical alinement with said hook, all substantially as and for the purpose described. 30

Signed by me, at Fort Wayne, Allen county, State of Indiana, this 1st day of April, A. D. 1897.

VAN B. PERRINE.

Witnesses:

JOHN D. RERICK,

FRED. C. JENNE.

Signed by me, at Montpelier, Williams county, State of Ohio, this 5th day of April, 1897.

WILLIAM S. BOON.

Witnesses:

JOHN FRANKLIN WERTZ,

JAMES D. HILL.