

No. 734,094.

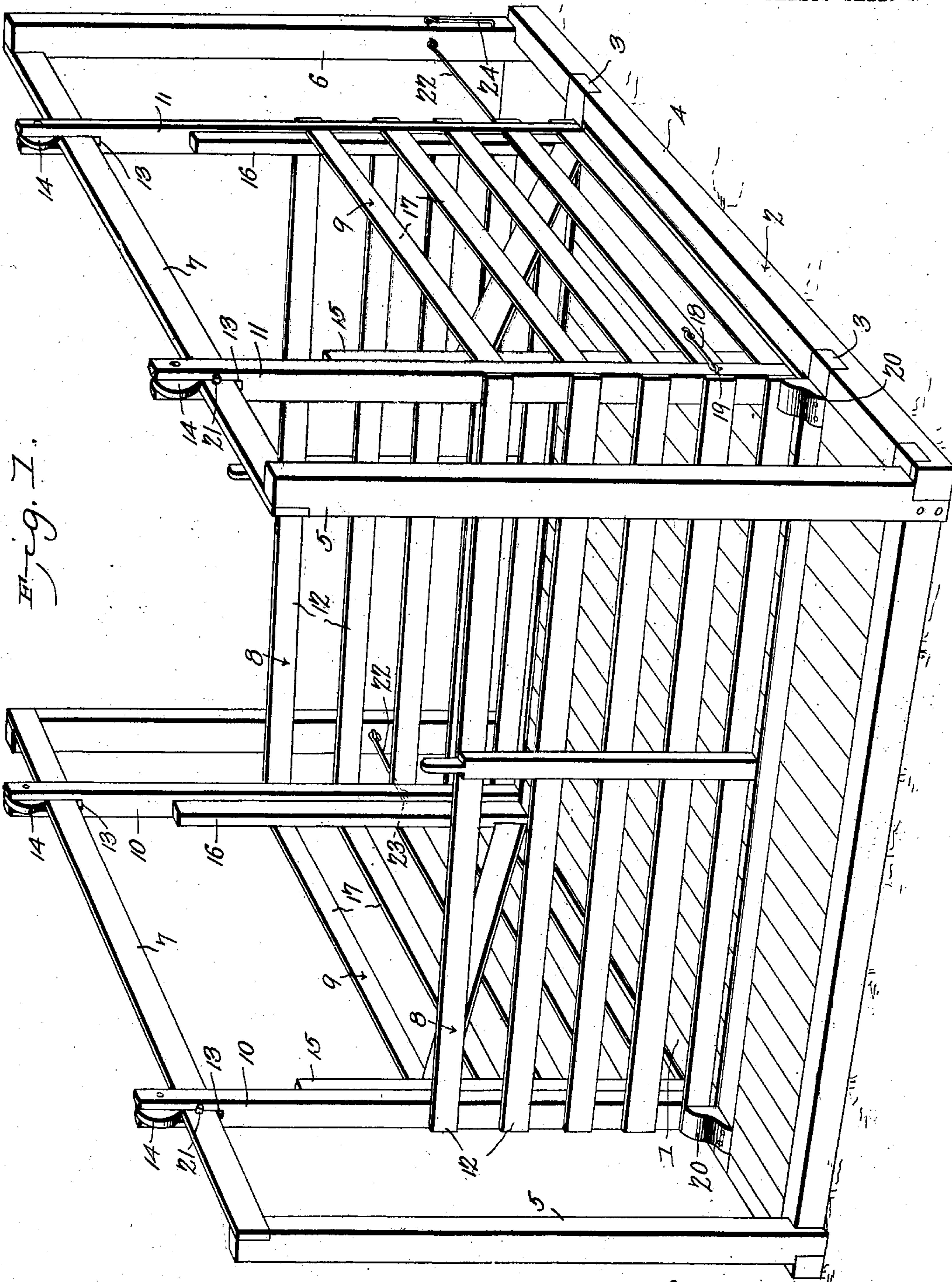
PATENTED JULY 21, 1903.

J. N. RICHEY.
SCALE RACK.

APPLICATION FILED APR. 18, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses
E. F. Stewart
J. J. Elmore

J. N. Richey, Inventor
by *C. A. Snow & Co.*
Attorneys

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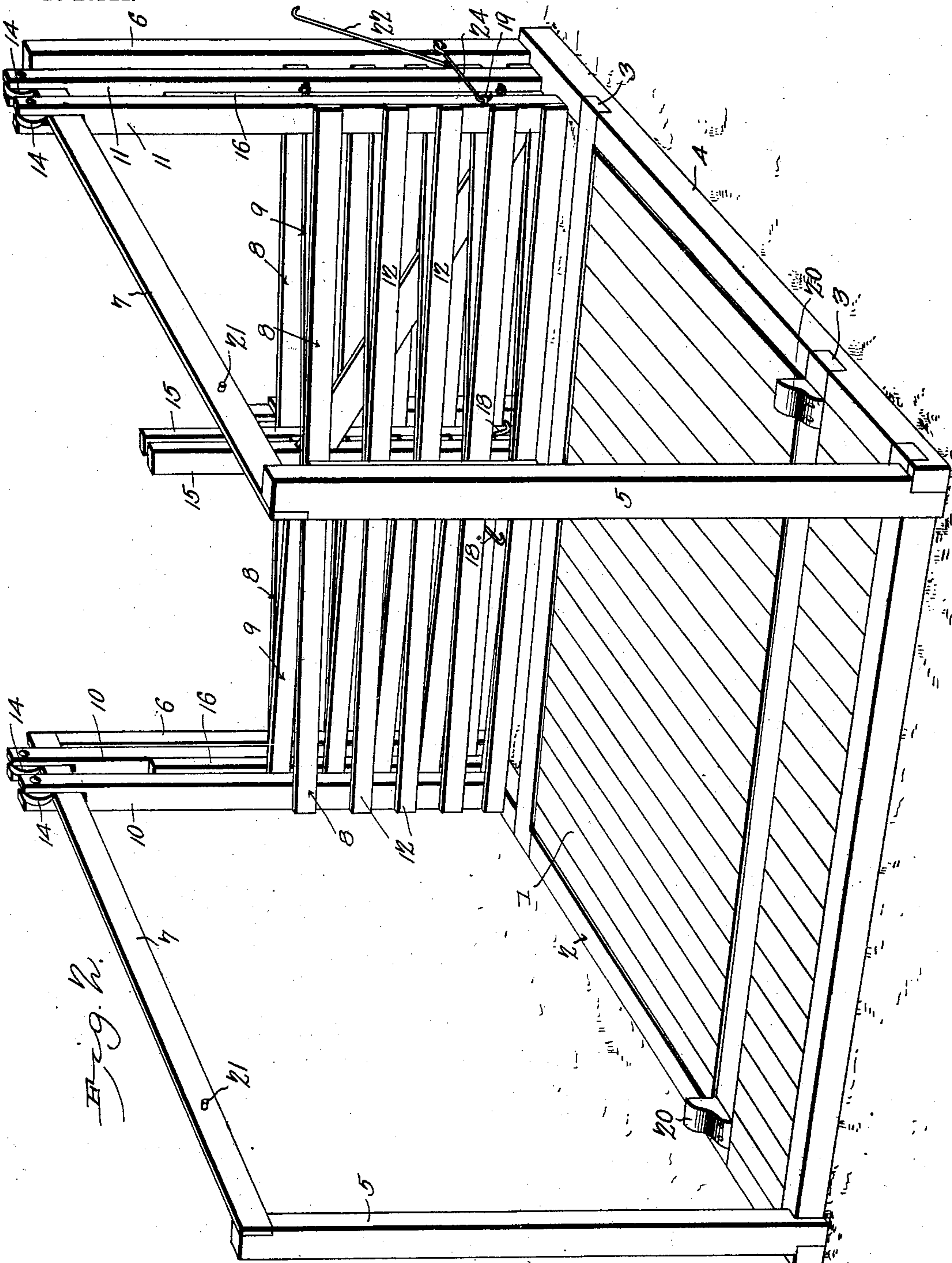
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UNITED STATES PATENT OFFICE.

JESSE N. RICHEY, OF LONETREE, IOWA.

SCALE-RACK.

SPECIFICATION forming part of Letters Patent No. 734,094, dated July 21, 1903.

Application filed April 18, 1903. Serial No. 153,294. (No model.)

To all whom it may concern:

Be it known that I, JESSE N. RICHEY, a citizen of the United States, residing at Lonetree, in the county of Johnson and State of Iowa, have invented a new and useful Improvement in Scale-Racks, of which the following is a specification.

My invention relates to that class of devices, known as "scale-racks," which are employed for receiving and retaining live stock upon scales while being weighed, and has for its objects to produce a device of this character which will be simple of construction, efficient in operation, one which may be readily adjusted to the proper position for receiving the stock, and one which may be moved to an unobstructing position when the scale is to be employed for other purposes.

To these ends the invention comprises the novel details of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view of the rack in its operative position. Fig. 2 is a similar view of the rack in its folded or inoperative position.

Referring to the drawings, 1 indicates the depressible platform of the scale, and 2 its framework, which comprises parallel side bars 3 and end bars 4. These parts may be of the usual or any desired construction and material, inasmuch as they constitute no part of my invention.

In accordance with my invention I erect at each end of the platform a frame consisting of vertical standards 5 and 6 and a horizontal track or way 7, which is secured to the upper ends of the standards and is sustained thereby. The standards 5 and 6, which are arranged in pairs at opposite ends of the platform, are situated at each side of the latter suitably distant therefrom and are preferably attached at their lower ends to the end bars 4; but it is to be understood that they may be erected by embedding their lower ends in the ground.

My improved stock-rack comprises side frames 8 and end gates 9. The side frames, which are suspended from the tracks 7, each consist of end bars 10 11 and horizontal connecting-slats 12, the bars 10 11 being slotted at their upper ends at 13 for the reception of rollers 14, journaled in the slots and arranged

to travel upon the tracks, for the purpose hereinafter explained. The end gates 9 each consist of vertical end bars 15 16 and horizontal connecting-slats 17 and are hinged, respectively, to the end posts 10 11 of one of the side frames and are adapted for engagement with the end posts of the other side frame by means of pivoted hooks 18, which engage suitable keepers 19, carried by the end bars of said frame.

20 indicates lower stops in the form of blocks secured to the framework 2 at one side of the platform, and 21 upper stops in the form of pins inserted transversely through the tracks 7 in vertical alinement with the lower stops.

22 indicates main hooks pivoted to standards 6 and adapted for engagement with keepers 23, carried by the end posts 10 11 of the adjacent side frame 8, and 24 indicates supplemental hooks, also pivoted to the standards 6 and adapted for engagement with the keepers 19 of the other side frame 8, as will presently more fully appear.

In practice when the device is to be employed for weighing stock the parts will occupy the position illustrated in Fig. 1, with the rack arranged in operative position and with the hooks 18 engaging keepers 19 to maintain the end gates in their open position and the side frames in their proper relative positions. When the parts are so arranged, the rack will as a whole bear at one side against the upper and lower stops 21 20 and will be braced from the standards 6 by engaging the main hooks 22 with the keepers 23. When, however, it is desired to employ the scales for purposes other than weighing stock, the rack may be moved to the inoperative position (illustrated in Fig. 2) by disengaging the hooks 18 from keepers 19 and folding the end gates 9 inward against the side frame 8 and then disengaging the hooks 22 from keepers 23 and moving the side frames to the folded position and engaging hooks 24 with keepers 19 in order to maintain the parts in such position and prevent their accidental displacement.

From the foregoing it will be seen that I produce a simple and efficient device which is admirably adapted for the attainment of the ends in view, and it is to be understood

that I do not limit myself to the precise details herein shown and described, inasmuch as minor changes may be made therein without departing from the spirit or scope of my invention.

Having thus described my invention, what I claim is—

1. In a device of the class described, the combination with a scale, of tracks or guides associated therewith, independently-movable side frames arranged to travel on the tracks or guides, end gates pivotally associated with one of the side frames, and means for temporarily engaging the end gates to the other side frame.

2. In a device of the class described, the combination with a scale, of vertical standards situated adjacent thereto and sustaining overhead tracks or guides, independently-movable side frames suspended from the tracks and provided with rollers arranged to travel thereon, and end gates each pivotally associated with one of the side frames and

provided with means for temporarily engaging the other side frame.

3. In a device of the class described, the combination with a scale of vertical standards situated adjacent thereto and sustaining overhead tracks or guides, independently-movable side frames suspended from the track and provided with rollers arranged to travel thereon, end gates each pivotally associated with one of the side frames and provided with means for temporarily engaging the other side frame, stops for one of the side frames situated at one side of the scale-platform, and braces carried by the standards and operable for engagement with the other side frame.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JESSE N. RICHEY.

Witnesses:

HENRY E. PORTER,
L. R. PORTER.