

(No Model.)

C. J. SHAW.
STANDARD.

No. 604,796.

Patented May 31, 1898.

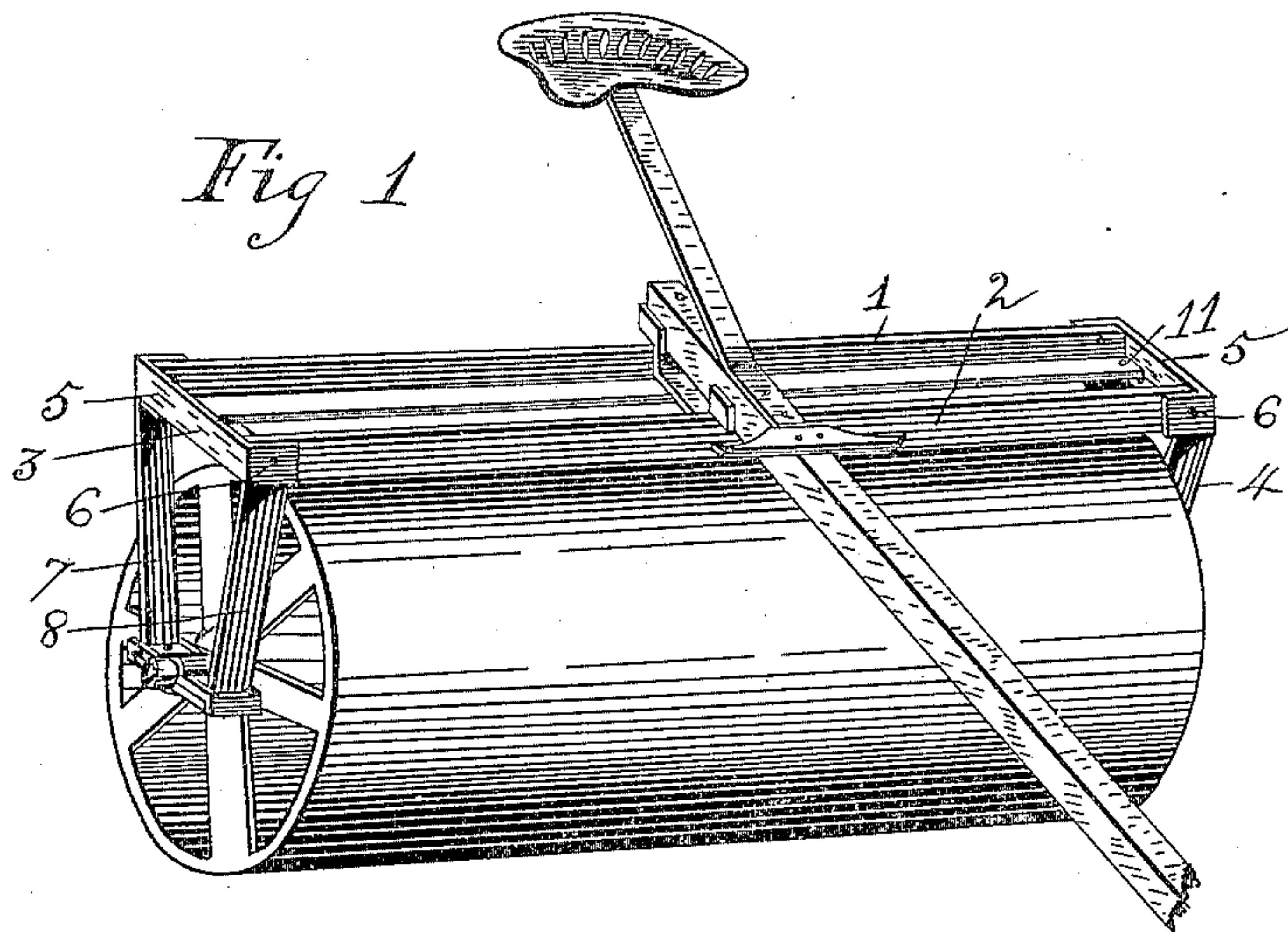
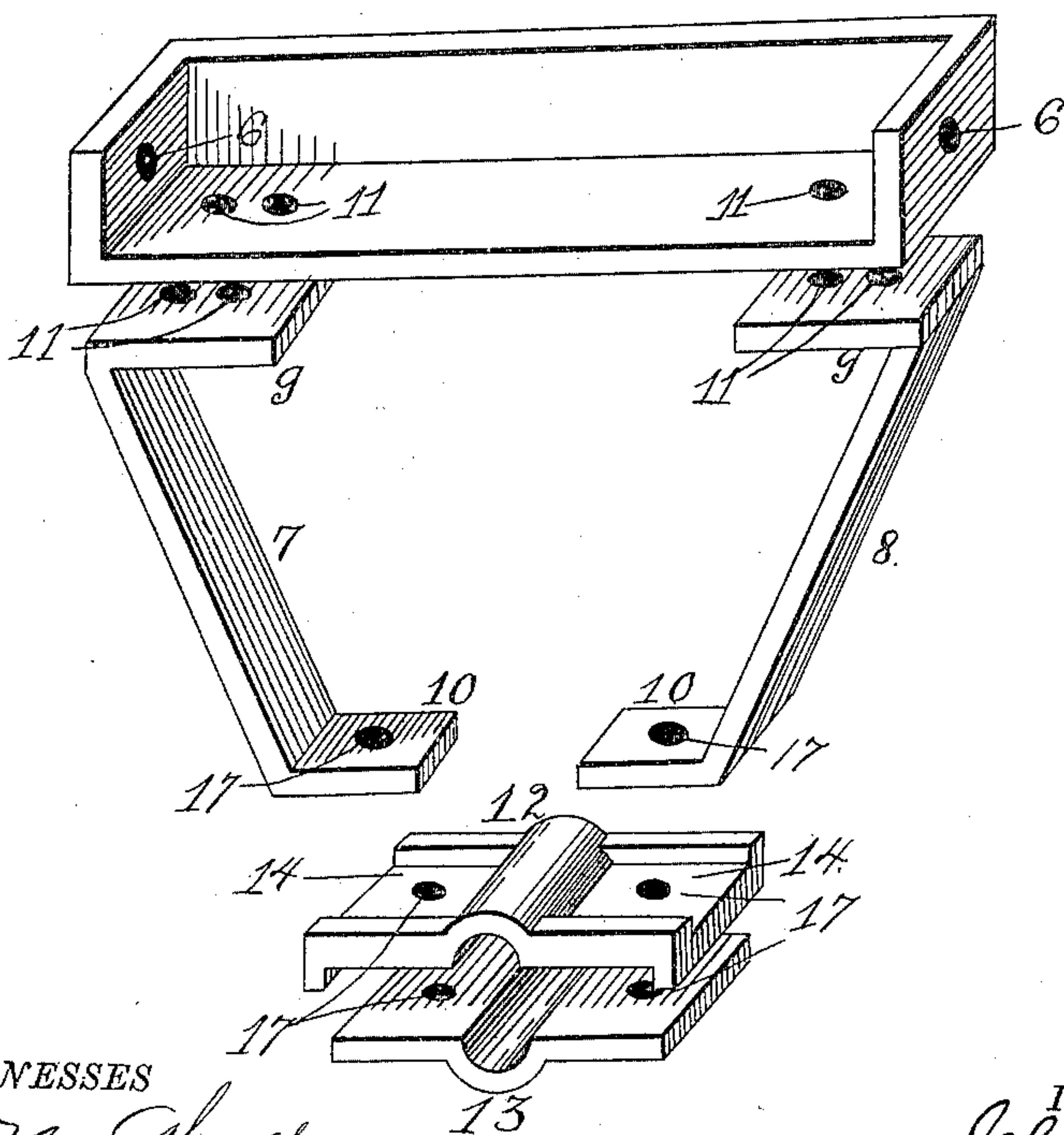


Fig 2



WITNESSES

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UNITED STATES PATENT OFFICE.

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STANDARD.

SPECIFICATION forming part of Letters Patent No. 604,796, dated May 31, 1898.

Application filed December 29, 1896. Serial No. 617,399. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. SHAW, a citizen of the United States, residing at Owosso, in the county of Shiawassee and State of Michigan, have invented certain new and useful Improvements in Standards; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to end standards for land-roller frames.

Heretofore the end standards of frames of this type have generally been cast or formed in a single piece and the cross-pieces of the frame detachably connected to the end standards. Owing to this construction when the frames are taken apart for transportation they occupy considerable space, and my object in the present instance is to provide end standards of simple, cheap, and improved construction which may be readily taken apart or assembled quickly and easily, and when the parts of the frame are disconnected frames of the same type may be packed into extremely compact arrangement, thereby cheapening materially the cost of transportation.

With this object in view the invention consists of an end standard of the class described comprising certain improved features and novel combinations of parts appearing more fully hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of a ground-roller equipped with my improvements; and Fig. 2 is a similar view of an end standard, showing the parts separated to better disclose their construction.

The numerals 1 and 2 designate angle-irons which comprise the cross-pieces of the roller-frame, while my improved end standards are shown at 3 and 4.

The numerals 5 designate a box-like member cast in a single piece which is open at one side and at its top. The ends of the angle-irons 1 and 2 are received through the open side of the box and secured thereto by bolts 6.

At 7 and 8 are shown uprights which consist of metal pieces either bent or cast in the shape shown, each being provided with upper and lower inwardly-bent ends 9 and 10.

The numeral 11 designates bolts which secure the upwardly-bent ends 9 to the bottom of the box and to the base-flanges of the angle-irons. The uprights 7 and 8 are so arranged that their sides converge downwardly. The box for the shaft of the roller consists of two clamping members 12 and 13. The member 12 is provided on opposite sides of the center with open boxes 14 and 15, which snugly receive the lower inwardly-bent ends of the uprights, while the ends of this upper member are bent downwardly, as at 16. The lower member 13 is received in between the bent ends 16, and bolts 17 and 18 pass through the ends 10 of the members 12 and 13, thereby securing the parts firmly together.

It will be observed that the uprights may be detached and the angle-irons left connected to the upper boxes 5. The frames can then be packed or piled one upon the other, in the manner of piling or stacking lumber, so that they will occupy but small space. The other parts can be then packed inside of the pile of open frames, so that a great number of frames can be made to occupy but a comparatively small space.

Having thus described the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In an end standard of the class described, the combination with the upper open box or member, the uprights detachably secured thereto at their upper ends, of the lower clamping members and fastening devices for detachably securing the clamping members together and to the lower ends of the uprights; substantially as described.

2. An end standard of the class described, the same comprising an upper member, uprights having upper and lower inwardly bent or extending ends, a lower member having open box-like portions adapted to receive the lower inwardly-bent ends of the uprights, fastening devices connecting said lower ends to the lower member, and fastening devices connecting the upper ends to the upper member.

3. The herein-described end standard, the same comprising an open box, uprights having upper and lower inwardly-bent ends, which uprights converge downwardly, lower

separable clamping members, the upper one
of which is provided with open boxes that re-
ceive the lower inwardly-bent ends of the up-
rights, fastening devices connecting the up-
5 per bent ends of the uprights to the bottom
of the upper box, and fastening devices pass-
ing through the lower inwardly-bent ends of
the upright and the two clamping members.

In testimony whereof I have signed this
specification in the presence of two subscrib- 10
ing witnesses.

CHAS. J. SHAW.

Witnesses:

FRED EDWARDS,
WINNIE TOWNSEND.