

No. 686,552.

Patented Nov. 12, 1901.

J. SMITH.
CARPET BEATING FRAME.

(Application filed Mar. 30, 1901.)

(No Model)

2 Sheets—Sheet 1.

Fig. 1

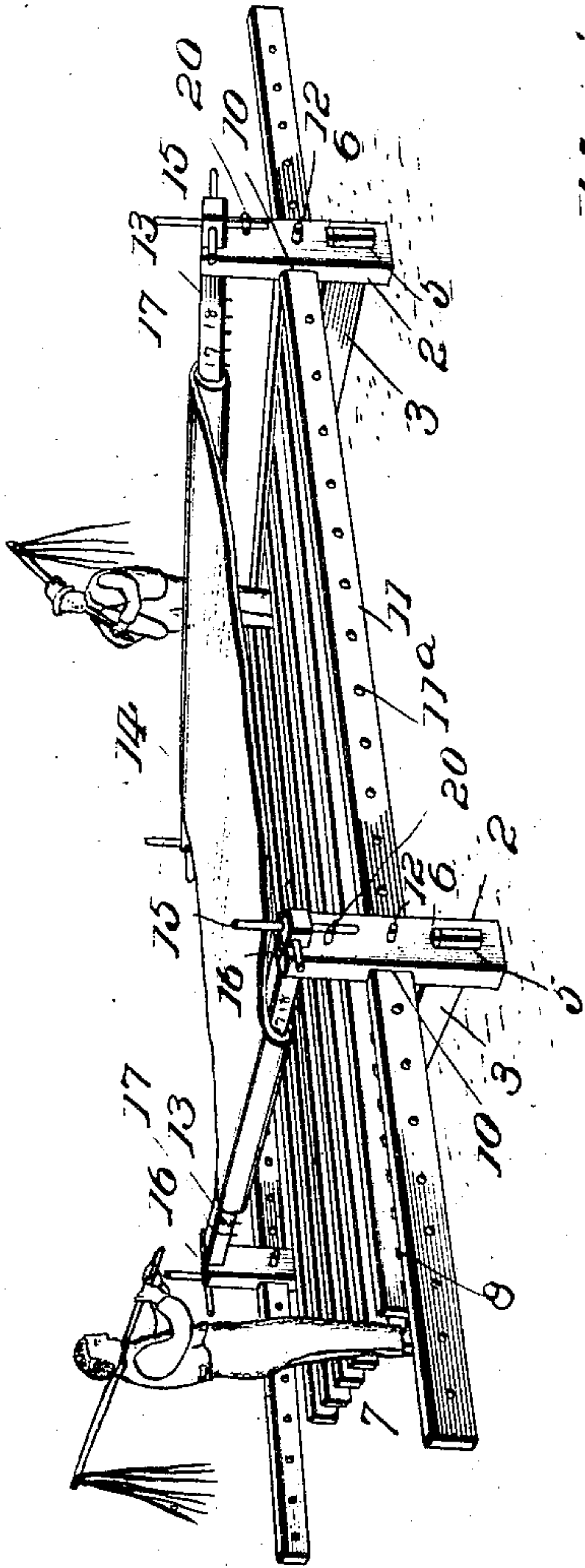


Fig. 3

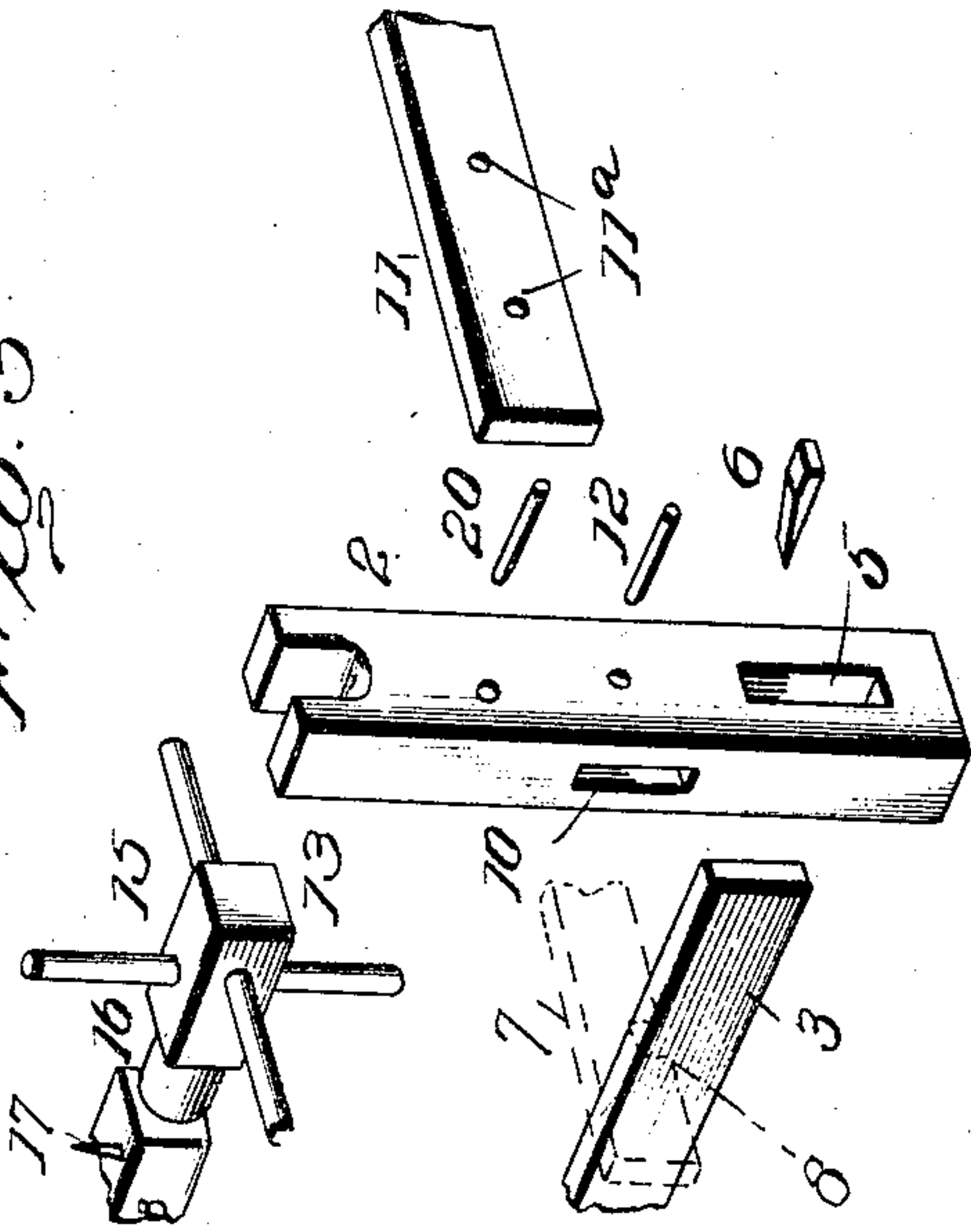
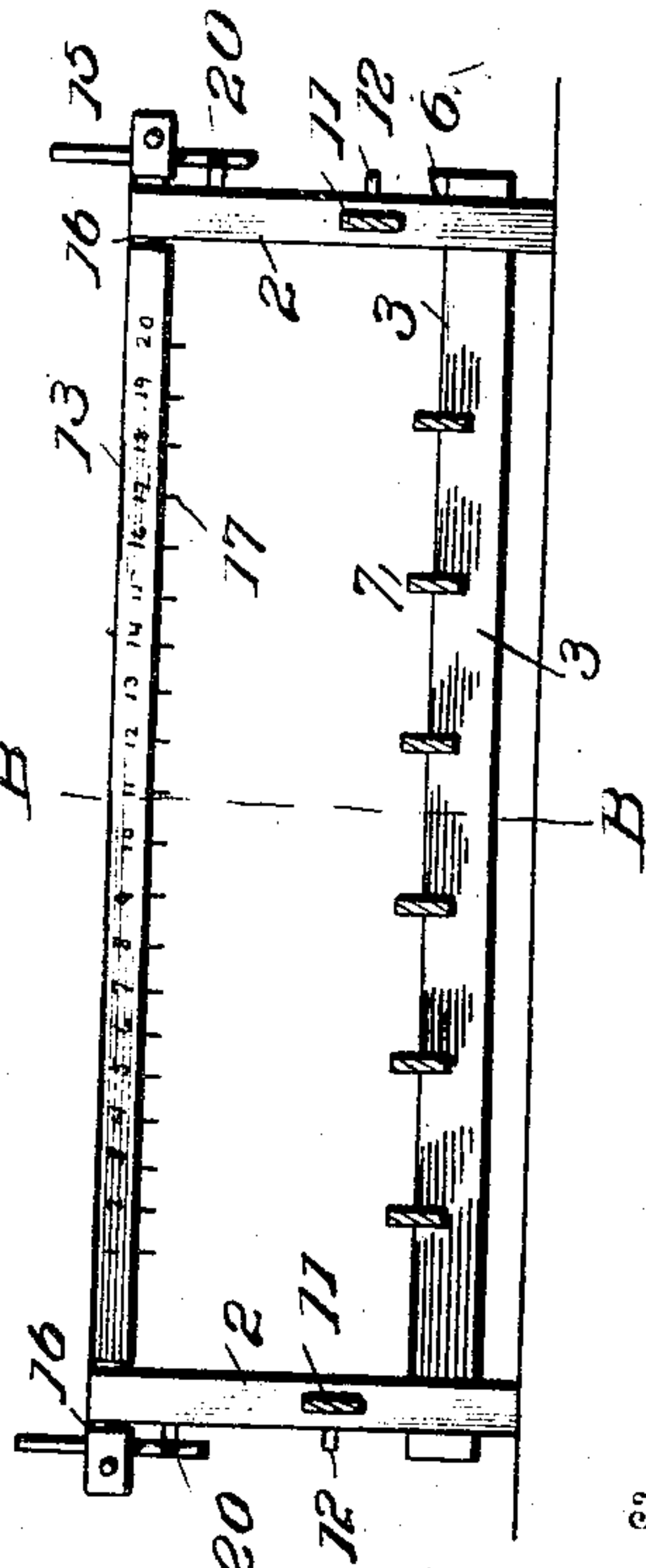


Fig. 2



Witnesses

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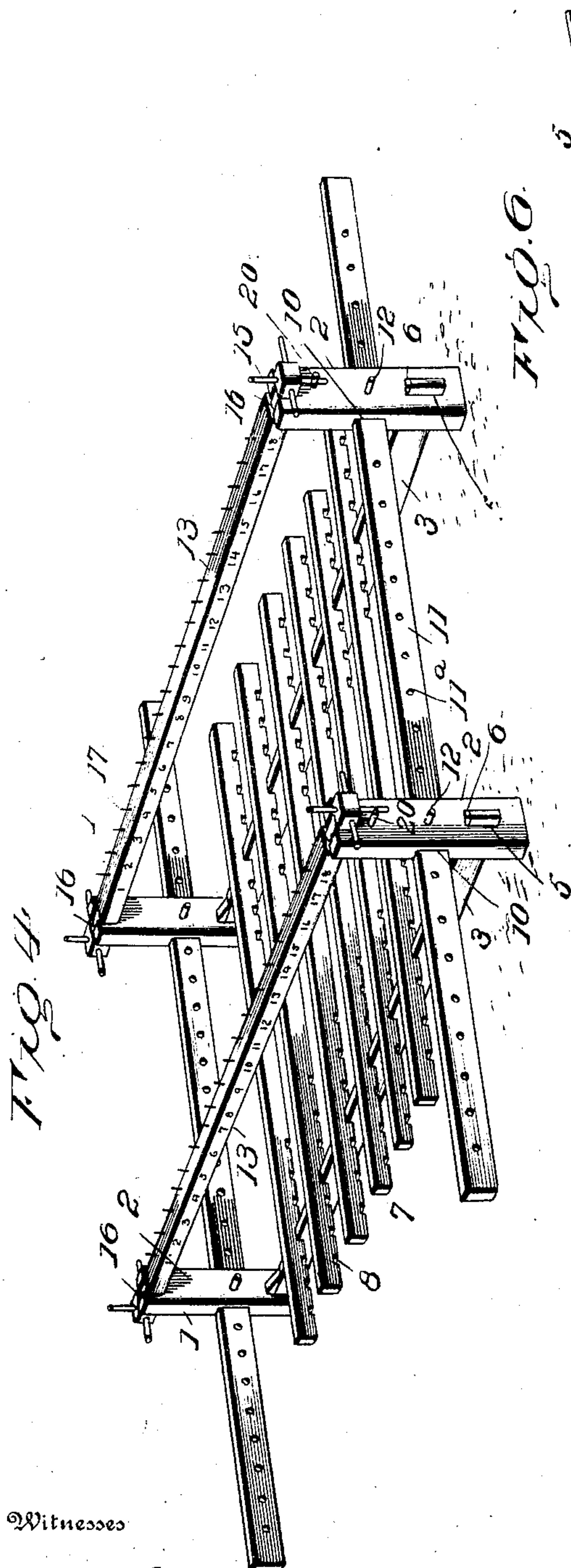
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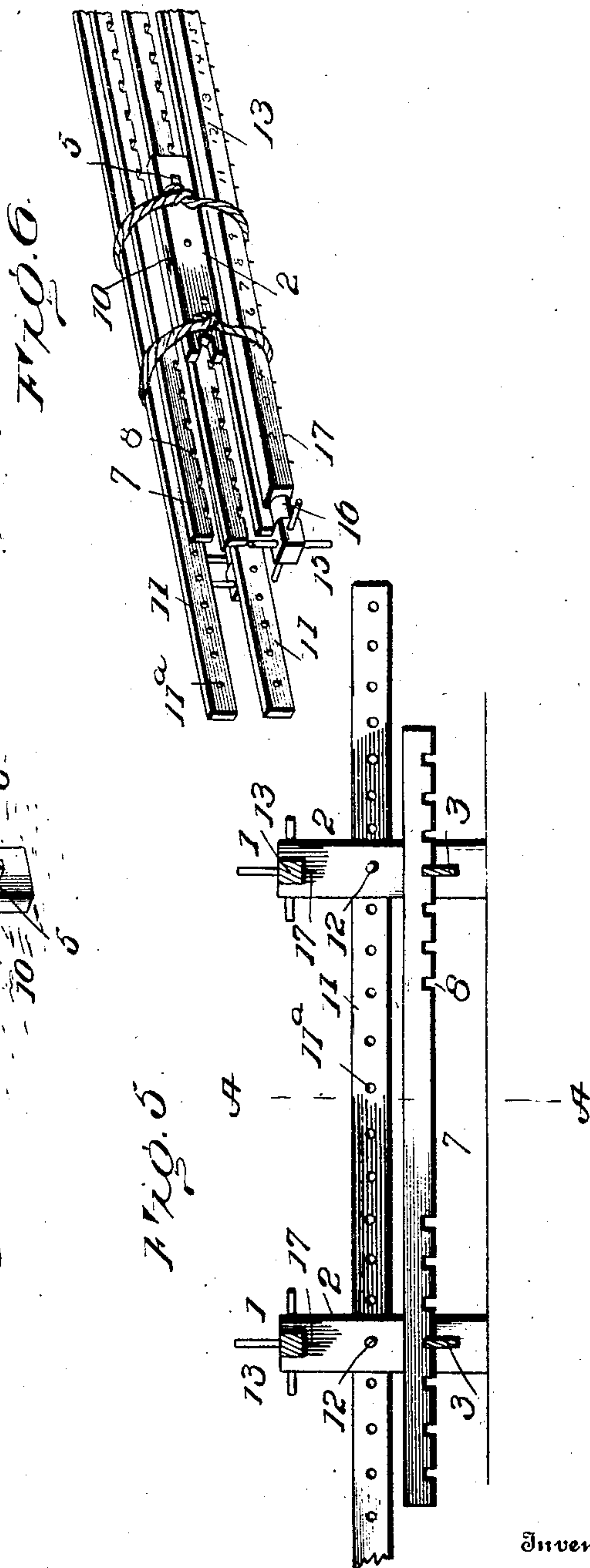
(No Model.)

2 Sheets—Sheet 2.



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UNITED STATES PATENT OFFICE.

JOSEPHINE SMITH, OF JACKSONVILLE, ILLINOIS.

CARPET-BEATING FRAME.

SPECIFICATION forming part of Letters Patent No. 686,552, dated November 12, 1901.

Application filed March 30, 1901. Serial No. 53,707. (No model.)

To all whom it may concern:

Be it known that I, JOSEPHINE SMITH, a citizen of the United States, residing at Jacksonville, in the county of Morgan and State of Illinois, have invented new and useful Improvements in Carpet-Beating Frames, of which the following is a specification.

This invention relates to improvements in carpet-beating frames.

The object of the invention is to provide a self-supporting adjustable and portable frame for holding carpets while being cleaned and one capable of being folded into a small space when not in use.

A further object is to provide a collapsible carpet-holding frame for domestic use where in the employment of nails or screws can be dispensed with.

Many other objects and advantages will be hereinafter referred to and pointed out in the claims.

In the drawings, Figure 1 is a perspective view illustrating the use of my improvement. Fig. 2 is a transverse section of the same, taken on the line A A of Fig. 5. Fig. 3 represents detail perspective views of details to be hereinafter referred to. Fig. 4 is a perspective view of the frame with the carpet removed. Fig. 5 is a longitudinal section on the line B B of Fig. 2, and Fig. 6 is a perspective view of the frame folded.

The same numerals refer to like parts in all the figures.

1 represents two end frames, comprising posts 2 and transverse sills 3. The sills 3 fit in mortises 5 in the posts 2, and wedges 6 are driven therein to rigidly hold said sills and the posts together.

Connecting the sills 3 of the frames 1 is a platform composed of spaced-apart longitudinal bars 7, provided with notches 8 to fit over the edges of the sills 2. These bars 7 are so notched that the space between the two end frames may be increased or decreased as the circumstances may warrant.

The posts of the end frames 1 are provided with mortises 10, which are positioned above and at right angles to the mortises 5 to receive the side rails 11. The rails are provided with a series of openings 11^a, one of which (when the rail is in position) coincides with an opening in one of the posts, and through these

openings I pass pins 12 for locking the rails and the posts together. The upper ends of the posts are notched to receive rollers or drums 13, which have handles 15 and journals 16 near the ends, and therebetween are pins 17 for securing the ends of the carpet 14, and adjacent these pins are placed numbers, so that the ends of the carpet may be pinned evenly to the opposite rollers.

The parts thus assembled, the operation is substantially as follows: The carpet to be beaten is delivered to the platform 7. Then one end is fastened to one of the rollers or drums by means of the pins, and is rolled thereon until the other end comes into position to be fastened to the pins of the same number on the opposite roller or drum, whereupon said rollers or drums are revolved until the carpet is tight, and is retained in this position by pins 20, fitting in suitable holes located in the path of the handles 15. The carpet is therefore horizontal while being cleaned, and the natural tendency of the dust will be to fall to the ground between the bars 7, which will prevent the dust from flying in the vicinity of the cleaning. After beating one side of the carpet it is rolled on one of the rollers and the position of said roller is reversed to turn up the other side of the carpet. The same operation as above described is then repeated.

When it is desired to increase or decrease the distance between the two rollers for a longer or shorter carpet, as the case might be, the pins 12 are removed, the bars 7 disengaged, and the frames adjusted. Now the pins are again fitted in the holes and the side rails secured, the bars 7 dropped and locked to the transverse sills, and the frame is ready to receive the carpet.

When the frame is not in use, it can be knocked down and folded into a comparatively small space. The side rails are withdrawn from the posts, the wedges holding the transverse sills are released and said sills disengaged from their seats, and the bars 7 and the rollers are removed, and the whole frame is rolled up and tied together.

While I prefer to beat the carpet while it is in a horizontal position, it is evident one set of end posts may be made slightly taller than the other set, and the carpet will be

tilted at an incline. Under some circumstances this may be preferable.

Having thus described my invention, what I claim is—

5 1. In an apparatus of the class described, the combination with two end frames, rollers or drums mounted thereon which carry means for securing a carpet, side rails, said end frames
10 sliding on said side rails, whereby the space between the end frames may be increased or decreased, and means for locking the side rails and end frames together, substantially as described.

15 2. In an apparatus of the class described, the combination with two end frames, rollers or drums mounted thereon which carry means for securing a carpet, a platform composed of spaced-apart notched bars connecting said frames, and side rails connecting the ends of
20 the end frames, said side rails and the connecting-bars being capable of being adjusted to increase or decrease the space between the end frames, substantially as described.

25 3. In an apparatus of the class described, the combination with two end frames, comprising side posts, transverse bars fitting in and connecting said posts, wedges driven in the openings to fasten the transverse bars to the posts, and rollers or drums mounted in
30 the upper ends of the posts, of side rails connecting the end frames, and a platform composed of spaced-apart bars connecting the transverse sills, substantially as described.

4. In an apparatus of the class described, the combination with two end frames, rollers 35 or drums carried thereby, means for holding said drums in a locked position against rotation, side rails passing through mortises and connecting said end frames, said side rails having a series of openings, a perforation be- 40 ing made in the end frames adjacent the mortises, and pins passing through the openings in the side rails and the perforations in the end frames for locking the end frames and the side rails together, substantially as 45 described.

5. In an apparatus of the class described, the combination with side rails, two end frames, rollers or drums mounted thereon which carry means for securing the carpet, 50 the end frames being slidably mounted on the side rails, means for locking the end frames and side rails together, a platform mounted below the drums and connecting the end frames, and means whereby the platform can 55 be locked in position after the end frames have been adjusted, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing 60 witnesses.

JOSEPHINE SMITH.

Witnesses:

JOHN A. VICKERY,
CHAS. A. BARNES.