

No. 625,854.

Patented May 30, 1899.

L. D. SHINN.  
QUILTING FRAME.

(Application filed Feb. 8, 1898.)

(No Model.)

Fig. 1.

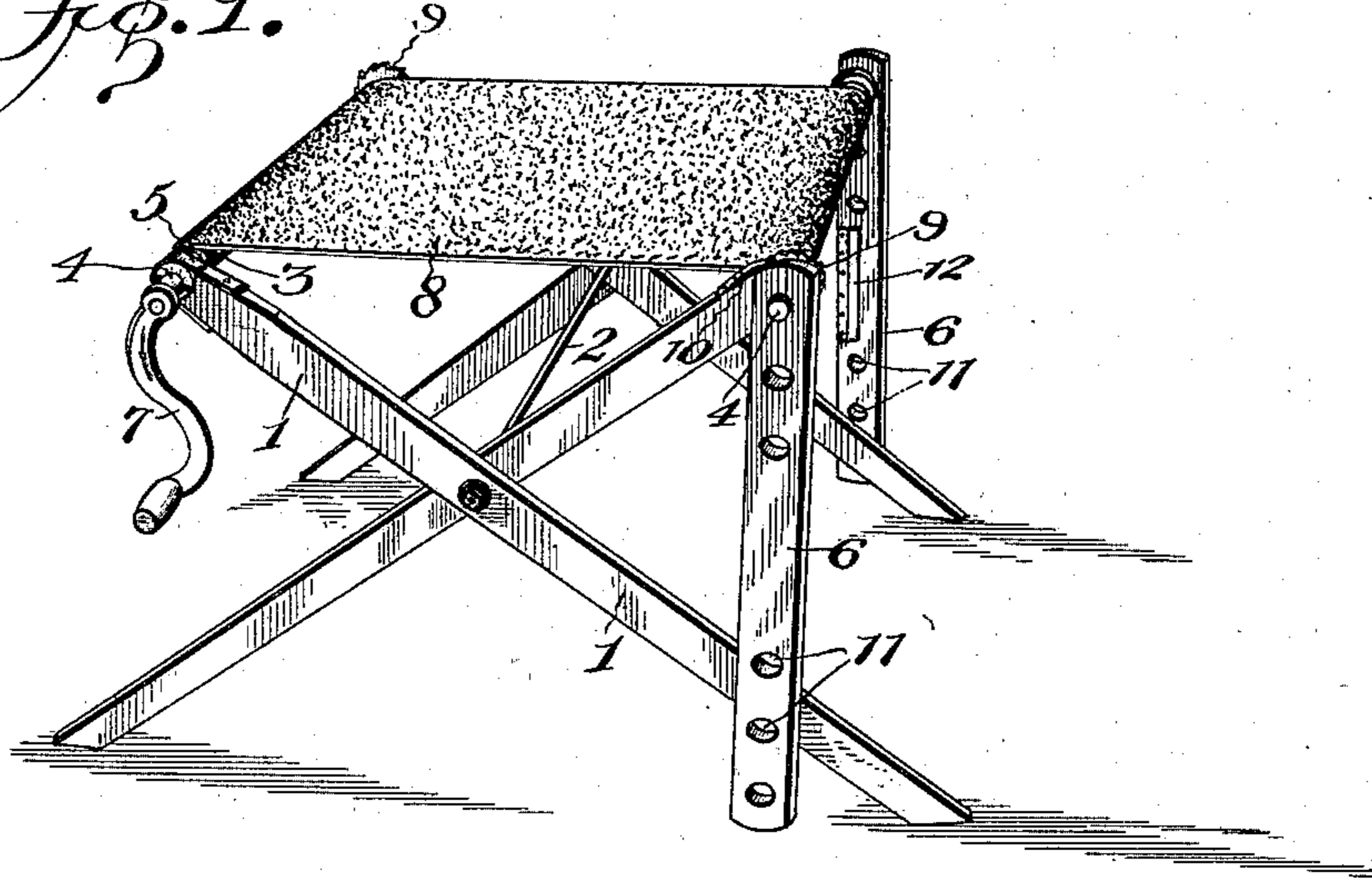


Fig. 2.

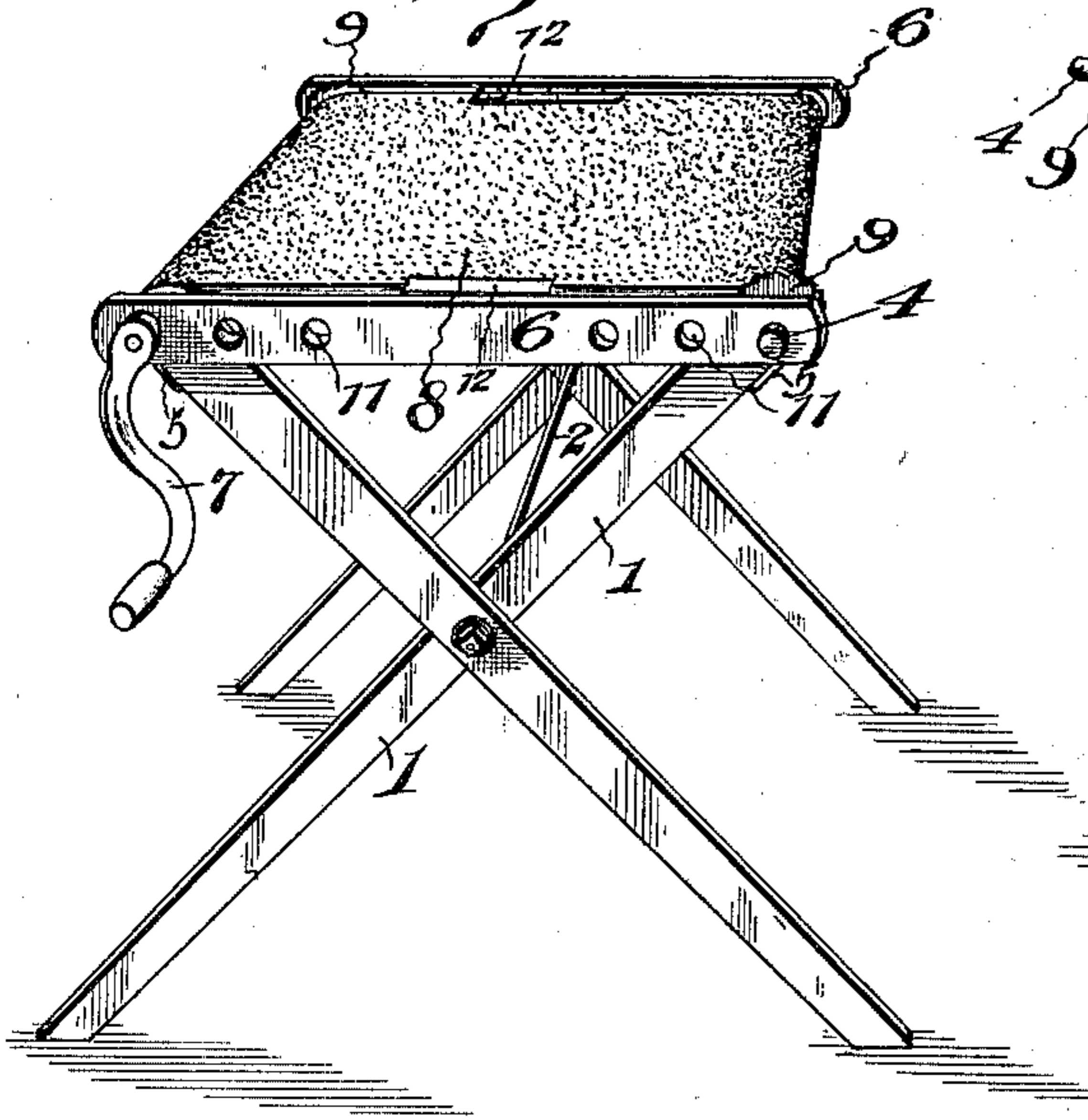
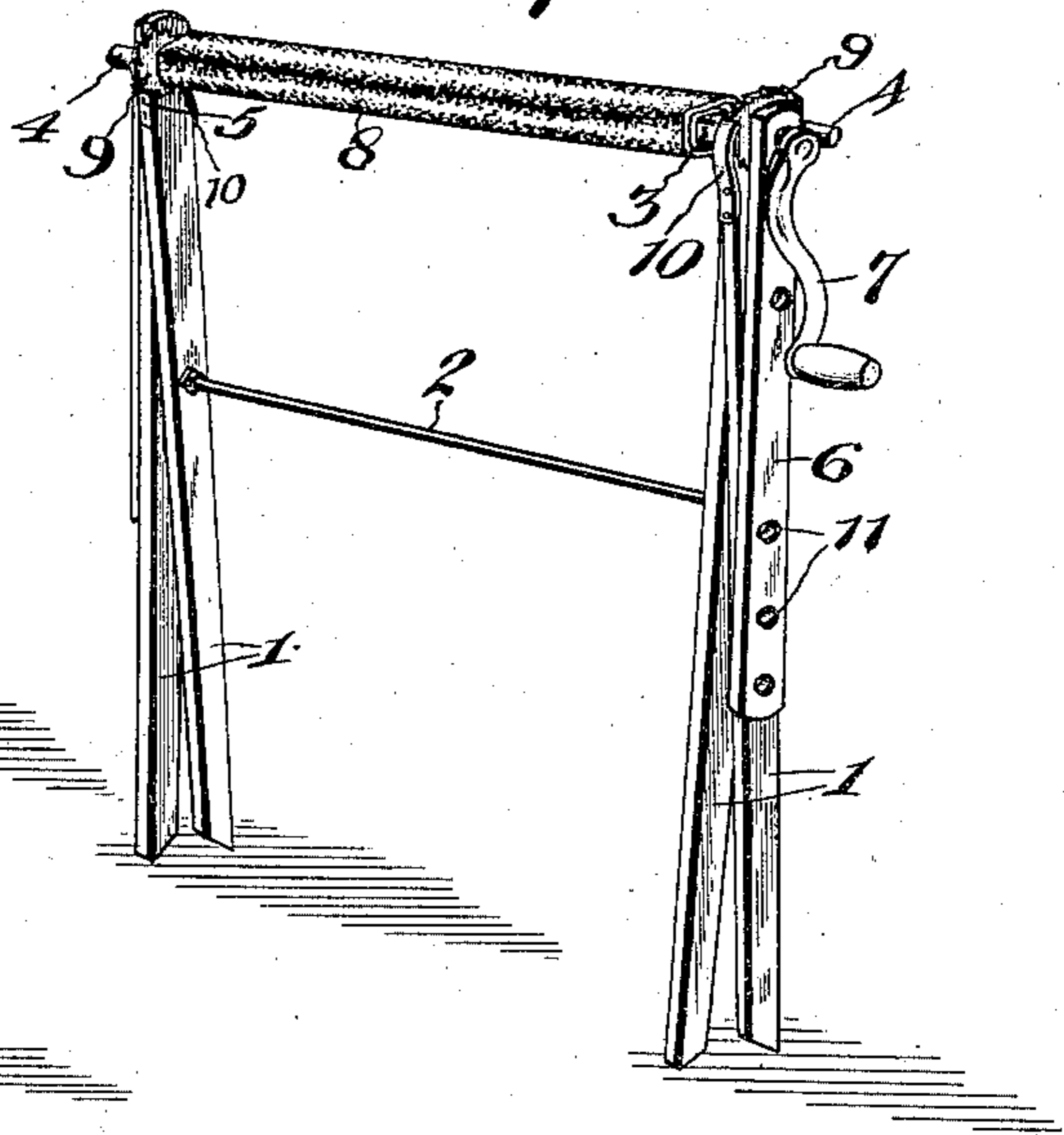


Fig. 3.



Witnesses

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# UNITED STATES PATENT OFFICE.

LYCURGUS D. SHINN, OF BRIDGMAN, MICHIGAN.

## QUILTING-FRAME.

SPECIFICATION forming part of Letters Patent No. 625,854, dated May 30, 1899.

Application filed February 8, 1898. Serial No. 669,526. (No model.)

*To all whom it may concern:*

Be it known that I, LYCURGUS D. SHINN, a citizen of the United States, residing at Bridgman, in the county of Berrien and State of Michigan, have invented a new and useful Quilting-Frame, of which the following is a specification.

This invention relates to quilting-frames, and most especially to the means whereby the framework can be adjusted to a variety of positions to adapt the elevation of the goods to be quilted to suit the comfort and convenience of the operator.

A characteristic feature of the invention is the combination, with the frame, of end bars, which are adapted to be turned into a vertical position and form legs or supports for a side of the frame when adjusting the latter and the goods secured to the longitudinal rollers thereof to the required position and which end bars serve to adjustably connect the rollers after the framework has been adjusted to meet all requirements.

The improvement consists of the novel features and details of construction, which hereinafter will be more particularly set forth, claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view showing the quilting-frame supported at one side upon the end bars, the latter being turned into a vertical position and resting upon the floor or surface upon which the frame is placed. Fig. 2 is a perspective view showing the quilting-frame adjusted and ready for use. Fig. 3 is a perspective view showing the quilting-frame folded so as to occupy the smallest amount of space possible when set aside and not required for immediate use.

Corresponding and like parts are referred to in the following description and indicated in the views of the drawings by the same reference characters.

The quilting-frame comprises folding end sections of like formation, each formed of bars 1, crossing about midway of their ends and pivotally connected at the point of crossing by means of a tie-rod 2, the latter serving in connection with the longitudinal rollers 3 to hold the end leg-sections together. The upper ends of the bars 1 are notched and receive the journals 4 of the rollers 3, said journals

being held in the notches by means of strap-irons 5, fitted over the end portions of the bars 1 and secured to the edge portions thereof. 55

The rollers 3 are of like formation, and their journals 4 project beyond the outer sides of the bars 1 a sufficient distance to receive end bars 6 and a crank 7, the latter being detachably fitted to either of the rollers, so as to enable the goods 8 to be quilted to be rolled thereon. Each of the rollers is provided at one end with a ratchet-wheel 9, which is secured thereto, and the teeth of these ratchet-wheels coöperate with spring-pawls 10, secured to the contiguous bars 1, so as to hold the rollers from turning backward after the goods have been subjected to the requisite tension, so as to present a smooth surface for the quilting operation. 70

The end bars 6 are formed with a series of openings 11 at each end for the reception of the journals 4 of the longitudinal rollers, so as to hold the latter the requisite distance apart, according to the area of goods to be exposed for quilting. By having the end bars adjustably connected with the journals of the rollers the latter, in addition to being spaced apart the requisite distance, can be moved so as to bring the goods 8 to the desired level, the latter operation being effected by moving the upper ends of the bars 1 closer together or farther apart, as will be readily understood. By detaching an end portion of the bars 6 from the journals of one roller 3 they may be turned into a vertical position, as illustrated in Fig. 1, so as to form legs or supports for one side of the frame when loosening or winding up the goods upon the opposite roller when effecting the desired adjustment. When the end bars 6 are turned into the position shown in Fig. 1, the frame is supported at one side thereby, the opposite side being supported by the attendant or person adjusting the device. After the frame has been adjusted the crank 7 is removed from the roller supported by the person, and the end bars 6 are grasped and turned into a horizontal position and fitted upon the journals of the roller supported by the person, said journals passing through one of the series of openings 11. Strips or pieces of cloth or textile 12 are secured to the inner sides of the end bars 6 and are adapted to have the 85 90 95 100

edge portions of the goods connected therewith to prevent sagging or contracting of the goods intermediate of the rollers when the quilting operation is in progress.

5 When it is required to set the device aside and reduce it so as to occupy as little space as possible, the end bars 6 are detached at corresponding ends from the journals of a roller and the leg-sections are folded, the  
10 frame assuming the form illustrated most clearly in Fig. 3, in which condition it can be easily handled and readily stored or laid aside.

Having thus described the invention, what is claimed as new, and desired to be secured by  
15 Letters Patent, is—

In a quilting-frame, the combination with crossed and folding leg-sections at each end, and longitudinal rollers connecting respectively the upper ends of the leg-sections, of  
20 detachable outside connecting end bars for both leg-sections, each of said bars being connected with the outer ends of the rollers and

extending across the tops of the leg-sections to steady the frame in its set-up position, the connection of the bars with the rollers being 25 by means of a series of holes in the bars, receiving the extremities of the rollers and held in place by means, substantially as described, the connection of the bars with the rollers being separable and adjustable so that the 30 leg-sections may be brought nearer together or separated, the length of the bars being such that on separating them from one set of rollers and turning them down, they act as supports for the structure, substantially 35 as described.

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

LYCURGUS D. SHINN.

Witnesses:

BURRITT G. BEDORTHA,  
MARY J. BEDORTHA.