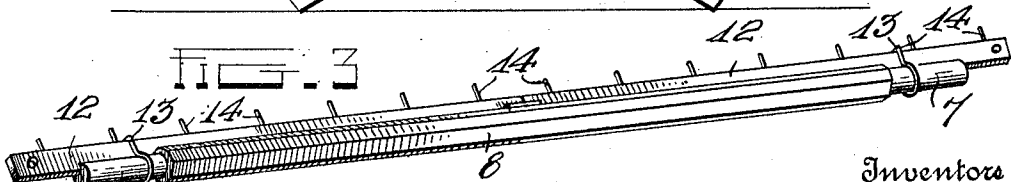
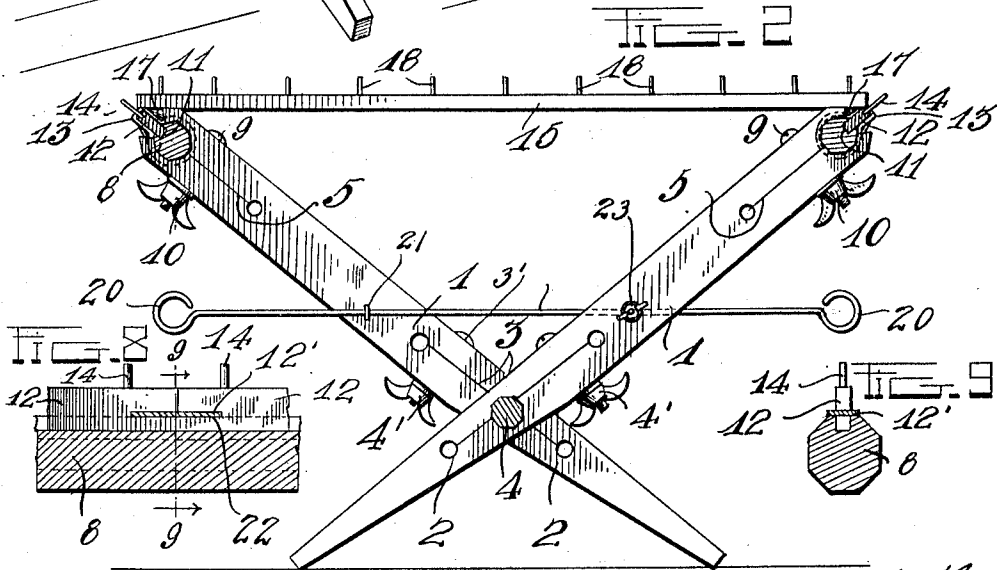
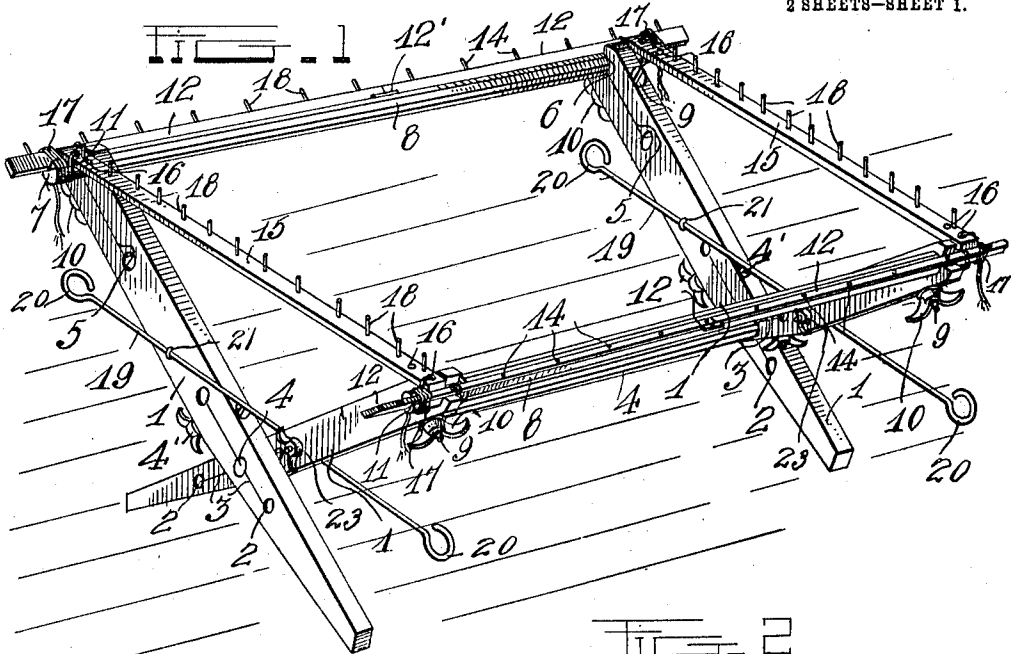


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 APPLICATION FILED MAY 8, 1911.

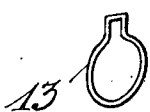
1,020,295.

Patented Mar. 12, 1912.

2 SHEETS—SHEET 1.



Witnesses
 W. R. Hardy
 O. B. Hopkins



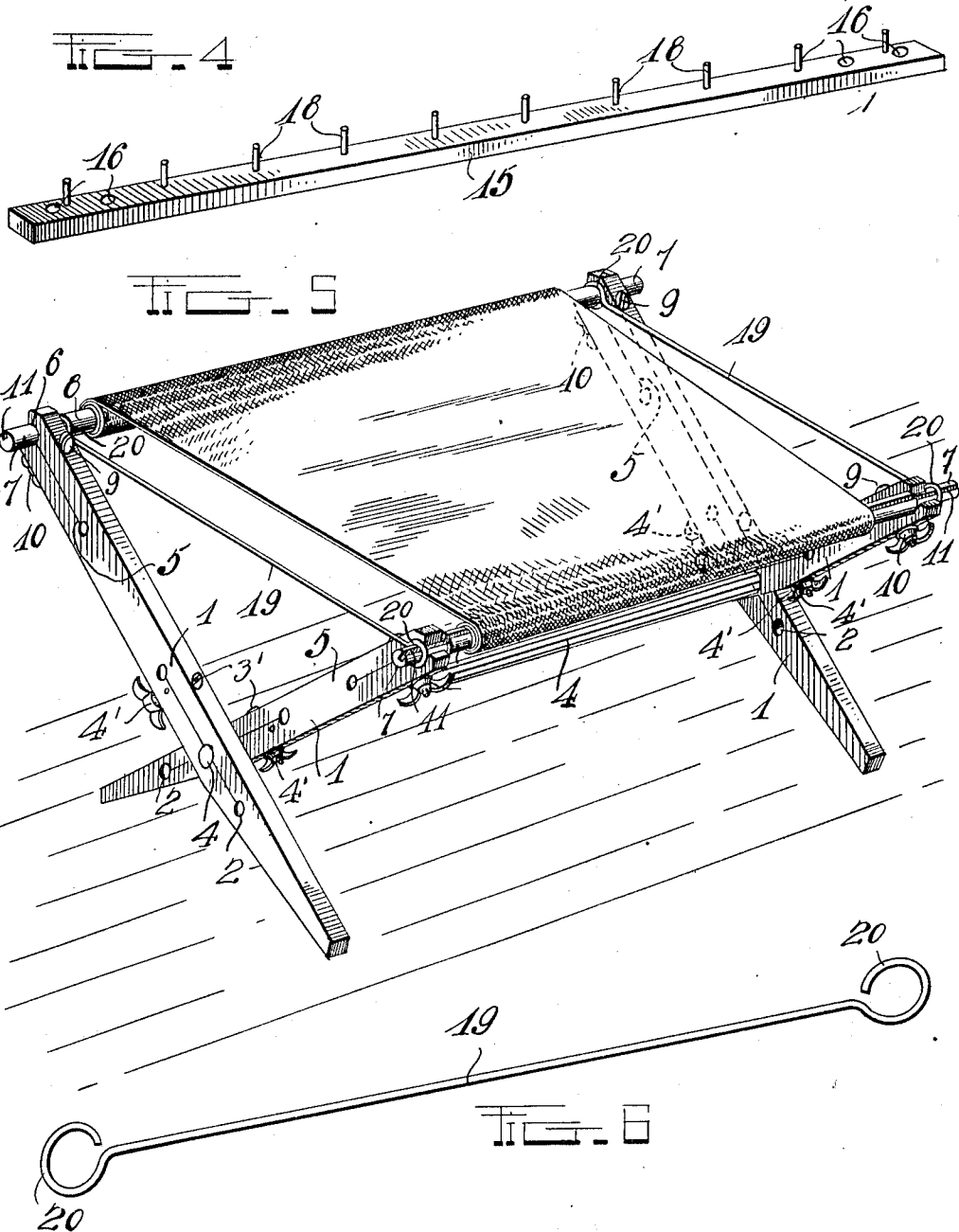
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UNITED STATES PATENT OFFICE.

THOMAS LEWIS AND JESSE T. LEWIS, OF SMITHFIELD, PENNSYLVANIA.

COMBINED QUILTING-FRAME AND CURTAIN-STRETCHER.

1,020,295.

Specification of Letters Patent.

Patented Mar. 12, 1912.

Application filed May 8, 1911. Serial No. 625,776.

To all whom it may concern:

Be it known that we, THOMAS LEWIS and JESSE T. LEWIS, citizens of the United States, residing at Smithfield, in the county of Fayette and State of Pennsylvania, have invented certain new and useful Improvements in Combined Quilting-Frames and Curtain-Stretchers; and we do 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.

This invention relates to improvements in combined quilting frames and curtain stretchers.

One object of the invention is to improve the construction of the quilting frame shown in United States Patent No. 701,901, granted to Thomas Lewis, June 10, 1902, whereby the same may be employed as a curtain stretcher.

Another object is to provide a device of this character having an improved construction of adjusting mechanism whereby a frame may be readily raised or lowered and secured at any desired elevation and having detachable means for fastening the edges of the curtain thereto.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings: Figure 1 is a perspective view of our improved frame showing the same arranged as a curtain stretcher; Fig. 2 is a vertical cross sectional view of the same; Fig. 3 is a perspective view of one of the side curtain stretching bars; Fig. 4 is a similar view of one of the end stretching bars; Fig. 5 is a perspective view showing the parts arranged as a quilting frame; Fig. 6 is a similar view of one of the connecting rods employed when the device is used as a quilting frame; Fig. 7 is a detail perspective view of one of the fastening rings of the curtain attaching bars. Fig. 8 is a detail longitudinal section of the central portion of one of the curtain and quilt supporting bars showing the manner in which the inner ends of the curtain attaching bars are held in place; Fig. 9 is a cross sectional view on the line 9—9 of Fig. 8.

As shown in the accompanying drawings

our improved quilting frame and curtain stretcher comprises end members consisting of pairs of legs 1 in which near their lower ends are formed alined bearing apertures 2 with which communicate slits 3 as shown. Arranged across the frame is a hinge bar 4 the opposite ends of which are reduced and engaged with the bearing apertures 2 in the legs 1 as shown. By thus hingedly connecting the legs together they may be opened or closed to support or fold the frame. In order to fasten the legs to the ends of the bar 4, clamping bolts 3' are provided, said bolts being inserted transversely through the legs and across said slits and having on their ends thumb nuts 4' which, when screwed up clamp the slitted portions of the legs together and the walls of the apertures 2 into tight engagement with the ends of the bar 4. The upper ends of the leg members 1 are slitted longitudinally for a suitable distance as at 5 and have in their outer ends substantially circular bearing recesses 6 adapted to receive the cylindrical outer ends 7 of curtain and quilt supporting bars 8.

By slitting the upper ends of the leg members 1 as herein shown and described, said slitted ends form gripping members which are adapted to be drawn into tight frictional engagement with the cylindrical outer ends of the bars 8 by means of clamping bolts 9 and nuts 10 arranged through the outer slitted ends of the legs adjacent to the inner portions of the bearing recesses 6 whereby the bars 8 are securely fastened in the legs.

In the upper edge of each of the bars 8 is formed a longitudinal groove or channel 11. With the grooves 11 are detachably engaged side curtain attaching bars 12, the bars 12 of each side or bar 8 of the frame being preferably formed in two sections, said sections of the bars being held in the groove 11 by fastening rings 13 which are engaged with and shaped to fit around the cylindrical outer ends of the bars 8 and the adjacent portions of the attaching bars 12 as shown. In the outer edges of the attaching bars 12 are formed a series of outwardly projecting curtain engaging pins 14 into which are hooked the curtain near its side edges.

The curtains are stretched longitudinally by end stretching bars 15 the opposite ends of which rest on the ends of the bars 12 which project beyond the legs and have formed therein a series of cord receiving

passages 16 with which are adapted to be engaged stretching cords 17. In the bars 15 are arranged upwardly projecting curtain attaching pins 18 with which the curtains are adapted to be engaged near their ends. When the cords 17 are thus engaged with the bars 15 and the curtains attached to the latter the cords are drawn back to a sufficient extent to stretch the curtains and are wrapped around and tied to the projecting ends of the bars 12 as shown thereby securely fastening the bars 15 and holding the curtain in stretched position. In stretching the curtain the edges of the same are engaged with the pins in the bars 12 and the legs are pressed downwardly thus expanding or forcing the upper ends of the legs apart until the curtain is stretched to the desired extent, after which the nuts 4' on the clamping bolts 3' are tightened up to hold the legs in their expanded position and stretch the curtain as described.

When it is desired to use the device as a quilting frame the stretching bars 12 are removed from the bars 8 and the ends of the quilt wound on and secured to said bars in any suitable manner. When the quilt has been wound on the bars to the desired extent the nuts 10 on the clamping bolts 9 of the slitted outer ends of the legs are tightened up and the bearing portions 6 in the outer ends of the legs thus drawn into tight engagement with the cylindrical ends 7 of the bars 8 and the latter thus secured against retrograde movement. After the ends of the quilt have thus been secured to the bars the quilt may be stretched to the desired extent by pressing the upper ends of the legs apart and tightening up the nuts 4' on the clamping bolts 3' in the same manner as when stretching a curtain. In order to prevent any possibility of the upper portions of the legs moving toward each other while working on the quilt, we provide brace rods 19 having in their ends eyes 20 which are adapted to be engaged with the cylindrical ends 7 of the bars 8 thereby holding the upper ends of the legs expanded. When the rods 19 are thus arranged the eyes of the same will be disposed adjacent to the outer sides of the legs.

When the device is used as a curtain stretcher the brace rods 19 are preferably engaged with the lower portions of the legs as shown in Figs. 1 and 2 of the drawings whereby the legs are securely braced apart in operative position. When the rods 19 are thus arranged they are gripped into firm engagement with the coincident sides of the legs by means of clamping bolts having one end in the form of hooks 21 adapted to be engaged with the rods while their opposite ends are threaded and have arranged thereon suitable clamping nuts 23 whereby the hooked ends of the bolt are

drawn into engagement with the rods and the latter thus rigidly clamped to the sides of the legs 1.

The inner ends of the curtain attaching bars 12 are preferably secured in the grooves 11 of the bars 8 by a short cleat or plate 22 which is secured to the bars 8 midway between their ends and across the grooves 11 therein. The inner ends of the sections of the attaching bars 12 are notched at 12' and said notched ends adapted to be engaged with the plate or cleat 22 thereby firmly securing the inner ends of the bars 12 in place.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as defined in the appended claims.

Having thus described our invention, what we claim is:

1. A combined quilting frame and curtain stretcher comprising two pairs of pivotally connected legs having bearing recesses in their upper ends, supporting bars having pins on their bodies and reduced cylindrical extremities journaled in said recesses and extending beyond the legs, other bars at right angles to the first-named bars and also carrying pins, means for connecting one pair of bars with the other, hook bolts passing through the legs and having adjusting nuts, and brace rods whose bodies are removably engaged by the hooks of said bolts and whose extremities have eyes adapted to engage the cylindrical ends of said supporting bars.

2. In a quilting frame, the combination with two supporting bars having longitudinal grooves, and means for supporting said bars in parallelism and spreading them apart; of an attaching bar for each supporting bar, said attaching bar made in two sections having notches at their meeting ends and pins projecting outwardly from their bodies, and a cleat in the groove of the supporting bar adapted to engage said notches when the attaching bar-sections rest in the groove.

3. A combined quilting frame and curtain stretcher comprising pairs of pivotally and adjustably connected legs, said legs having slitted outer ends provided with bearing recesses, clamping bolts arranged in said ends whereby the slitted portions of the same are drawn together, curtain and quilt supporting bars, said bars having cylindrical outer ends adapted to be engaged with said bearing recesses whereby the bars

are revolubly supported and clamped in position in said bearing recesses, said bars having also formed therein longitudinally disposed grooves, curtain attaching bars arranged in said grooves, said bars having notched inner ends, cleats arranged on said supporting bars to receive said notched ends of the attaching bars, fastening rings arranged on said supporting and attaching bars whereby the latter are secured at their outer ends, curtain attaching pins arranged on said bars and adapted to receive the edges of the curtain whereby the latter may be stretched in one direction by spreading the upper ends of the leg members, end curtain stretching bars loosely engaged with

said attaching bars, stretching cords connected to the outer ends of said attaching bars and having a sliding engagement with said stretching bars whereby the latter are adjusted to stretch the curtain in the opposite direction, said cords being secured to the ends of the attaching bars to hold said curtain in stretched position. 20

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses. 25

THOMAS LEWIS.
JESSE T. LEWIS.

Witnesses:

EDGAR R. O'NEIL,
H. O'NEIL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."