

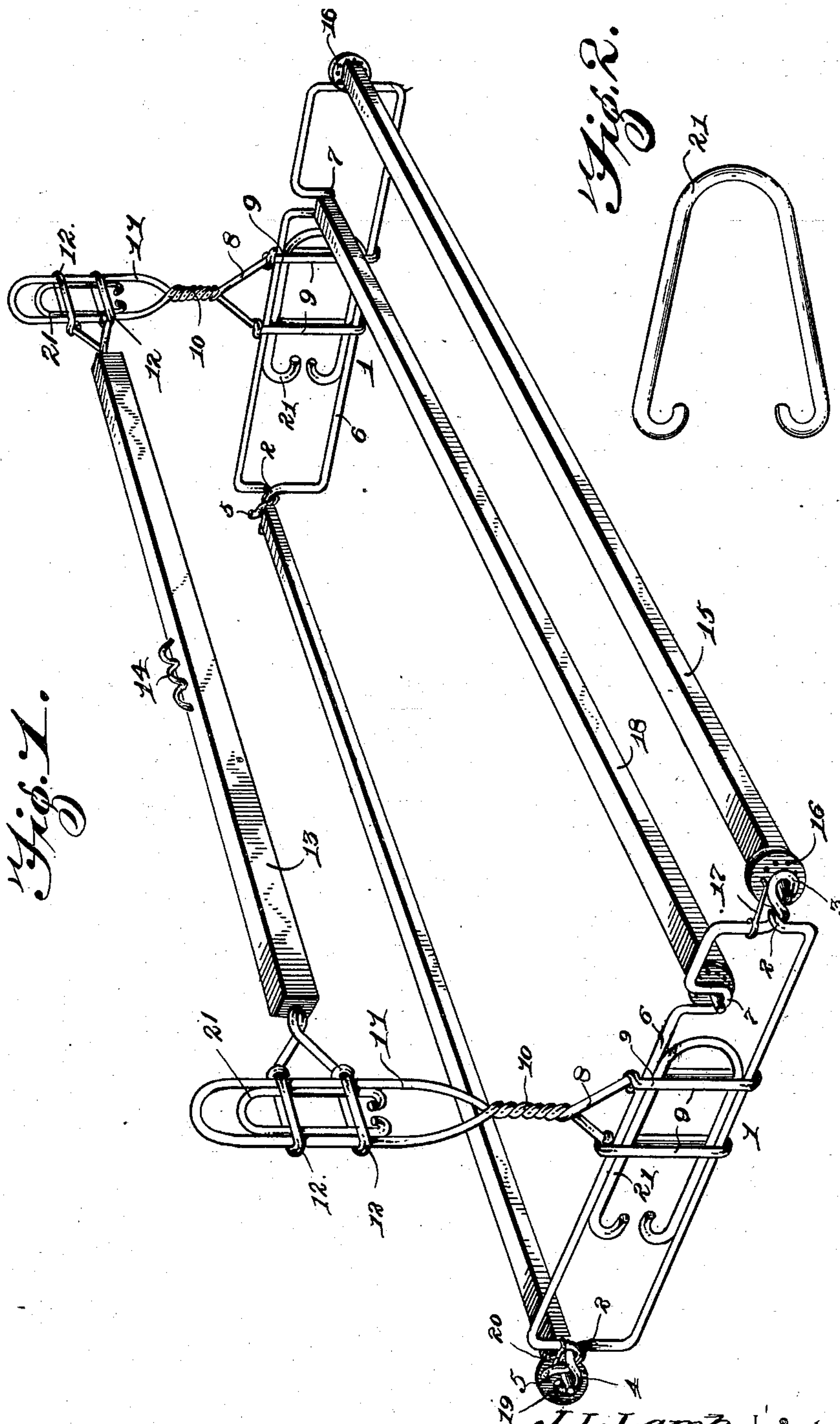
No. 655,094.

Patented July 31, 1900.

J. L. LAMB.
QUILTING FRAME.

(Application filed Apr. 27, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN L. LAMB, OF CHETOPA, KANSAS.

QUILTING-FRAME.

SPECIFICATION forming part of Letters Patent No. 655,094, dated July 31, 1900.

Application filed April 27, 1900. Serial No. 14,619. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. LAMB, a citizen of the United States, residing at Chetopa, in the county of Labette and State of Kansas, have invented a new and useful Quilting-Frame, of which the following is a specification.

This invention relates to quilting-frames; and the object of the same is to provide simple and effective means for adjusting the several parts to compensate for the weight or bulk of the quilt when disposed in excess on one side to keep the frame more nearly balanced and facilitate pursuance of the quilting operation; and, also to readily bring the frame nearer the sewing-machine or to a lower level for hand-sewing as desired and without disarranging or changing the suspending devices; also, to lighten all the parts and render the manipulation of the frame during the quilting operation convenient.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of a quilting-frame embodying the features of the invention. Fig. 2 is a detail elevation of one of the spring friction-keys.

Similar numerals of reference are employed to indicate corresponding parts in both views.

The numeral 1 designates the opposite end frames which are of duplicate construction, and each has a substantially-elongated contour and the end portions drawn together and twisted, as at 2, and terminating at one end in a bearing-eye 3 and at the other end in a bearing-hook 4, with an upstanding guard 5 thereover. The upper member 6 of each frame also has a depending bearing-seat 7, and adjustably engaging the said frames are hangers 8, which are also of duplicate construction and arrangement, and each has a lower pair of slide-loops 9 arranged parallel and made up of single-wire extremities, which are interlocked by twisting, as at 10, a short distance above the end frame, with which the said slide-loops engage, and above the interlocked or twisted extremities the hangers are in each instance also formed with a vertically-disposed elongated supporting-loop 11, which

stands in a plane at a right angle to the frame 1 below the same. The loops 9 are slidable on the frame 1 at each end, so as to position the hangers relatively to the weight of the quilt in excess at one side or the other of the frame, and on the loops 11 of the hangers pairs of horizontal slide-loops 12 are adjustably mounted and which are secured to the opposite terminals of a suspending-bar 13, having central connecting-loops 14 for attachment to a trolley-wheel or analogous device freely movable on a wire. This mode of shifting the frame as an entirety will be readily understood and has not been shown, as the application of such well-known devices is obvious.

In the bearing-eyes 3 a rotatable receiving-bar 15 is mounted and has stop heads or disks 16 for engagement with locking-dogs 17, connected to the adjacent portions of the end frames 1 and operating to hold the said bar in a certain desired fixed position. The bearing-seats 7 also removably and rotatably receive a tension-bar 18, which at times is intended to be in like manner held against movement, and in the bearing-hooks 4 a winding-roller is also disposed and freely removable, the latter being preferably in the form of an angular bar and having a retaining-head 19 for engagement by a dog 20. The purpose and function of these several bars will be readily understood, and the special construction of end frames set forth is particularly well adapted for supporting the same and contributes to their efficiency in operation.

The slide-loops carried by the suspending-bar and the hangers have free adjustable movement over the parts they engage, and to frictionally sustain the degree of adjustment desired U-shaped spring-wire keys 21 are employed and in one instance are slipped longitudinally into the end frames 1 and the slide-loops 9 and in the other instance are disposed in the supporting-loops 11 and in the slide-loops 12. These keys set up a frictional binding between the parts they engage and are adapted to be applied or withdrawn at will and when free they assume their normal contour, as shown by Fig. 2, and hence the contraction of the same when in operative relation to the slides establishes the necessary

friction to obstruct accidental movement of the slides on the end frames and the supporting-loops.

By forming the main structure of wire the frame as an entirety is lightened and the cost of manufacture materially reduced, and it will be understood that changes in the form, size, proportions, and minor details of construction may be resorted to without departing from the principle of the invention.

Having thus described the invention, what is claimed as new is—

1. A quilting-frame comprising open-wire end frames for holding the quilting bars or rollers, hangers having lower pairs of slide-loops for adjustably engaging the end frames and also having upper supporting wire loops in planes at right angles to the end frames, a suspending-bar having terminal pairs of slide-loops to engage the supporting-loops, and spring-wire keys inserted in the end frames and supporting-loops and the slide-loops on the same to set up a frictional binding between the parts.

2. A quilting-frame comprising open-wire end frames for supporting quilting bars or rollers, hangers for the end frames having pairs of slide-loops adjustably engaging the latter, and U-shaped spring-wire keys removably inserted in the end frames and the pairs of slide-loops to set up a frictional binding engagement between the several parts.

3. A quilting-frame comprising open-wire end frames for supporting quilting bars or rollers, hangers for the said frames having upper supporting-loops, a suspending-bar having pairs of terminal slides to adjustably fit over the supporting-loops, and U-shaped spring-keys to engage the supporting-loops and slides to set up a frictional engagement between the several parts.

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

JOHN L. LAMB.

Witnesses:

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