

C. E. & L. A. ASHBY.

QUILTING FRAME.

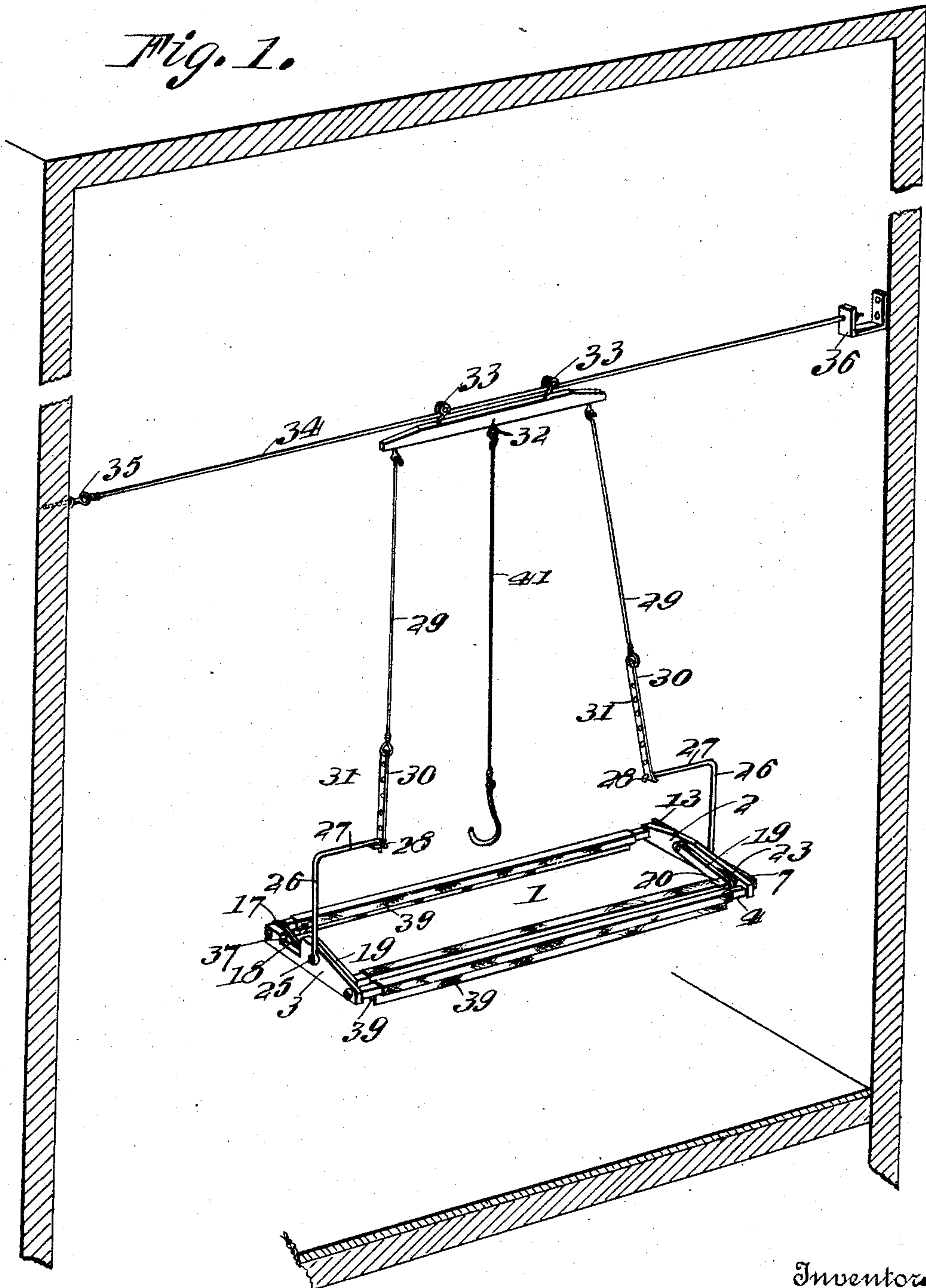
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2 SHEETS—SHEET 1.

*Fig. 1.*



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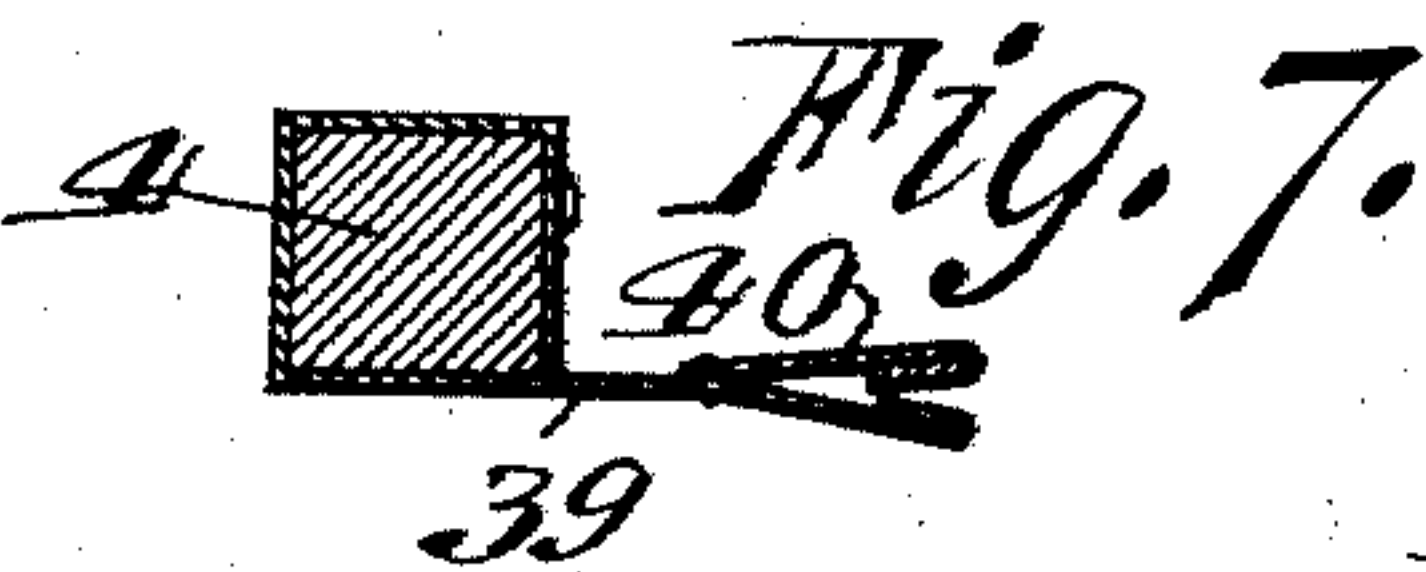
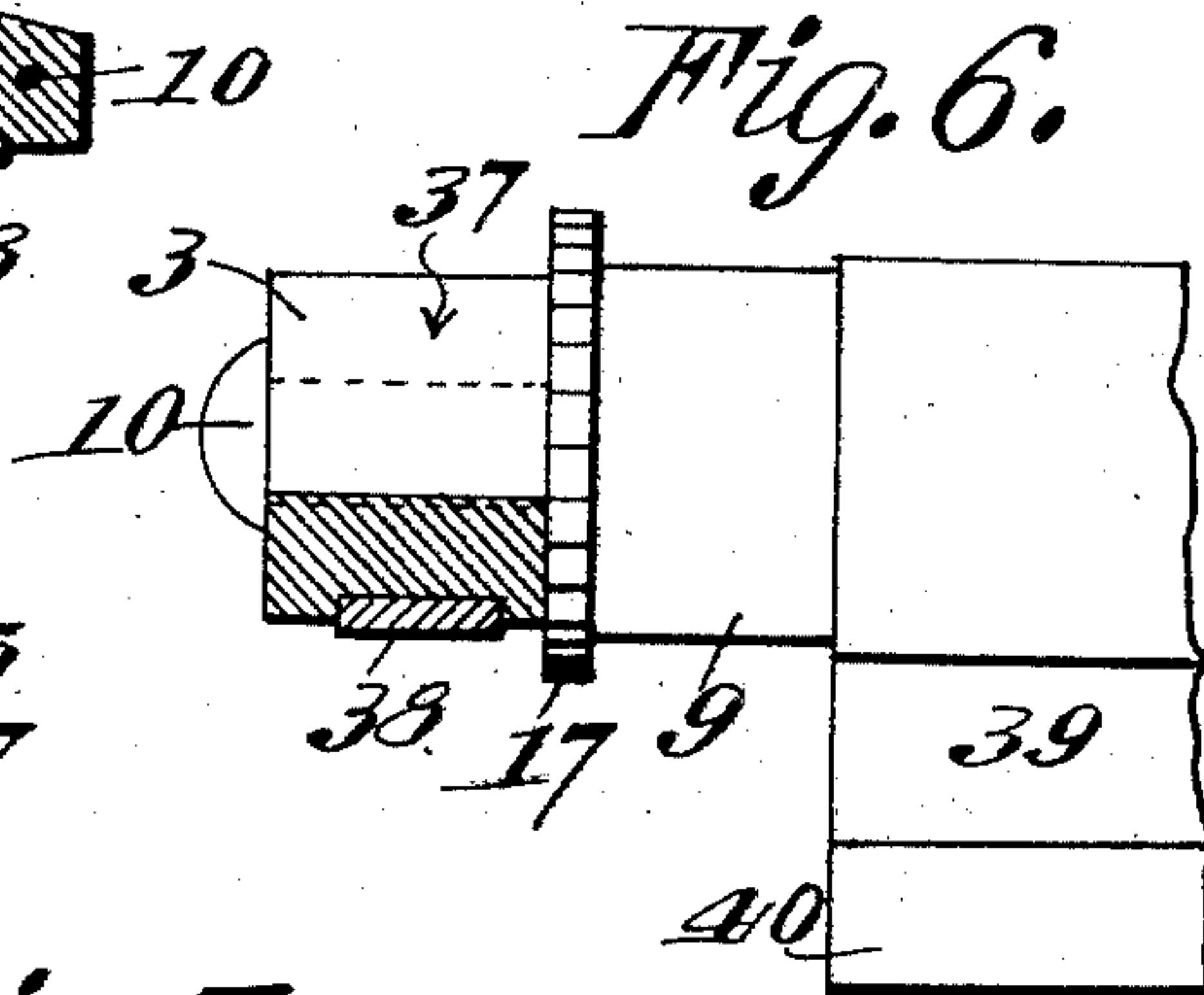
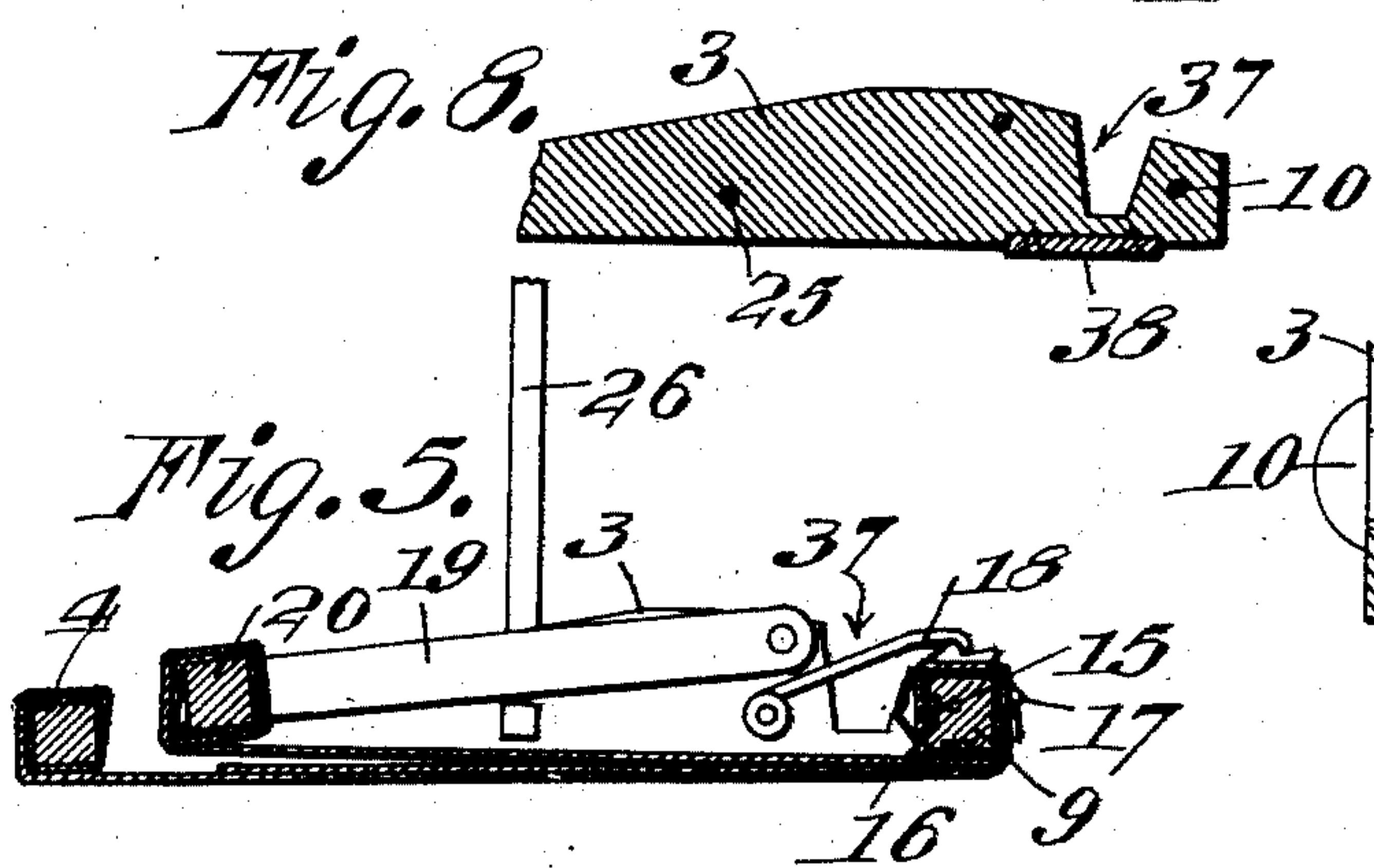
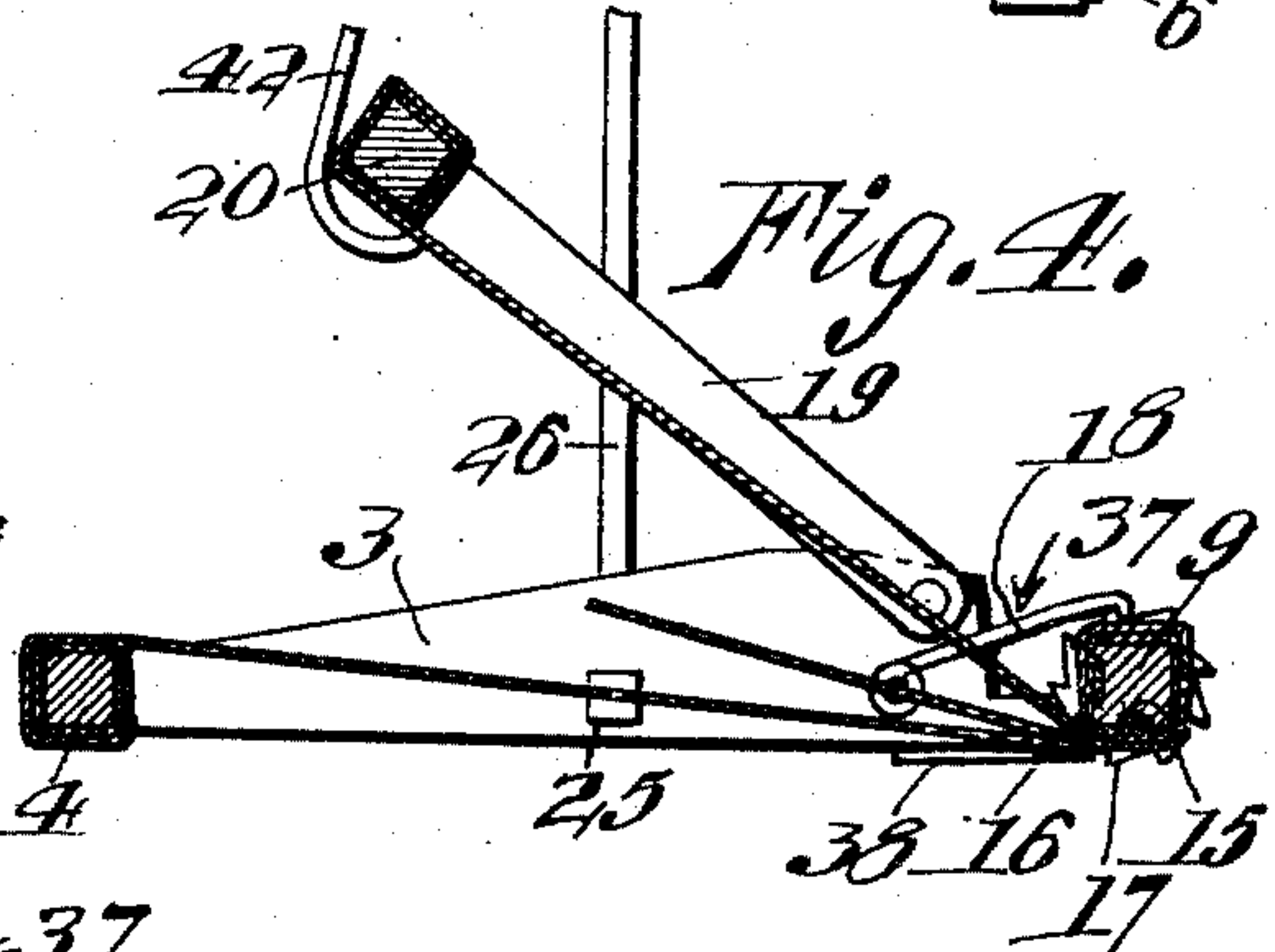
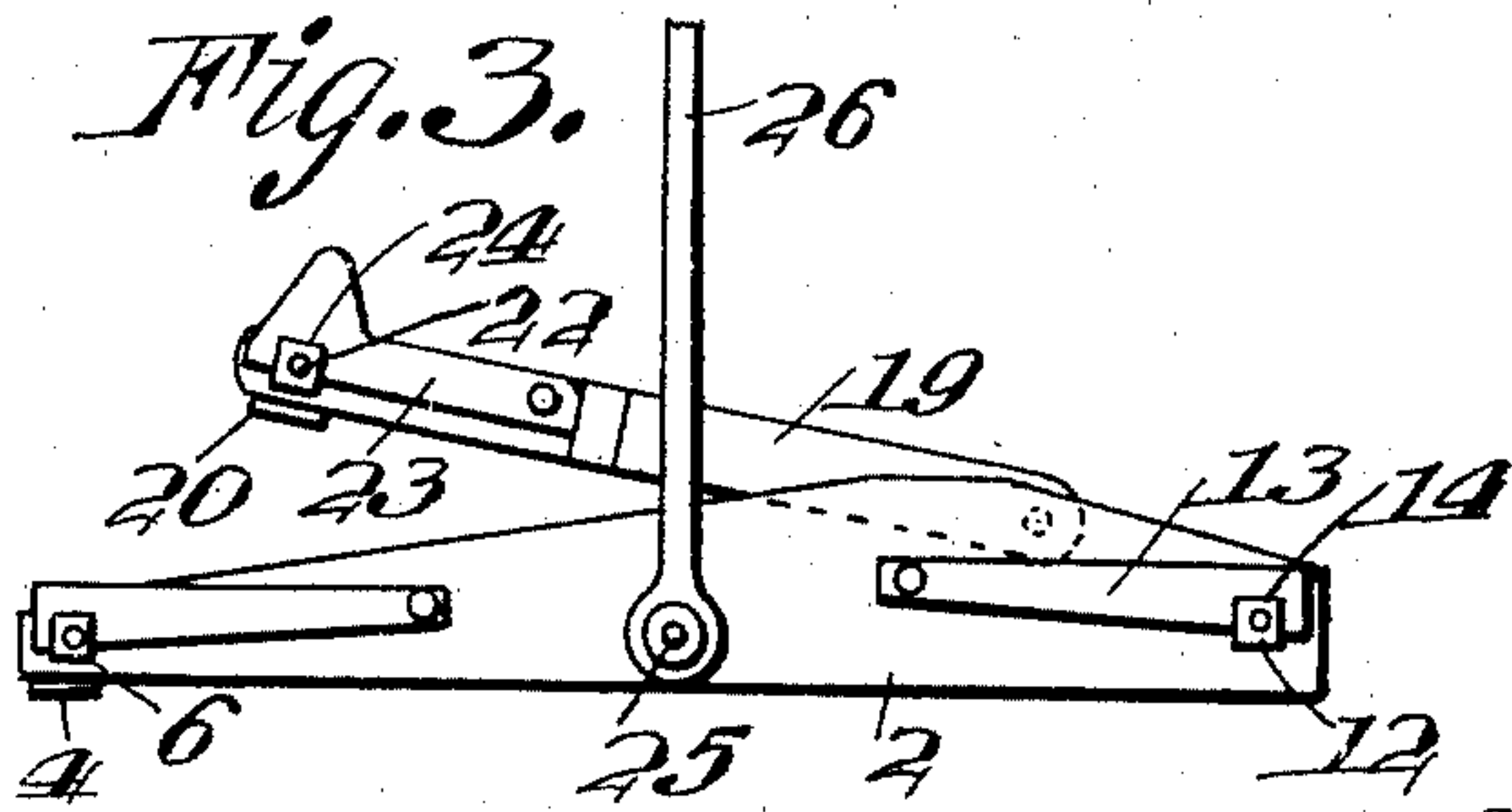
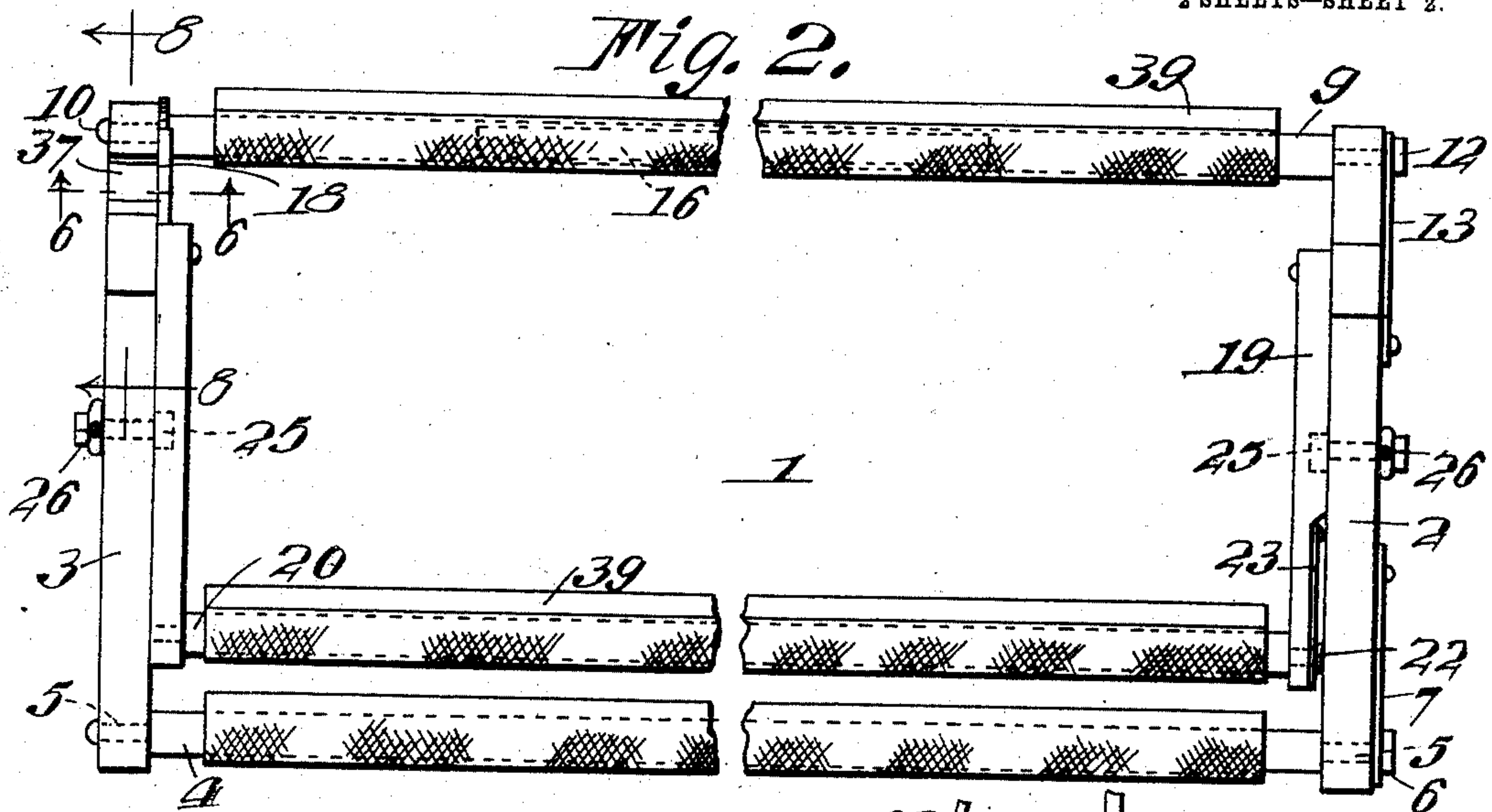
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2 SHEETS—SHEET 2.

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# UNITED STATES PATENT OFFICE.

CARRIE E. ASHBY AND LEMUEL A. ASHBY, OF DIXON, ILLINOIS.

## QUILTING-FRAME.

No. 928,418.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed March 18, 1909. Serial No. 484,182.

*To all whom it may concern:*

Be it known that we, CARRIE E. ASHBY and LEMUEL A. ASHBY, citizens of the United States, residing at Dixon, in the county of Lee and State of Illinois, have invented new and useful Improvements in Quilting-Frames; 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 quilting frames.

The object of the invention is to provide an improved supporting mechanism for the frame whereby the same will be held in position to be operatively engaged with a sewing machine for stitching the quilt carried by the frame.

A further object of the invention is to improve the construction of the frame and to provide means for holding the quilt top roll and the quilt top above the lining to facilitate the insertion of the filling material.

With the foregoing 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 the frame and its supporting mechanism arranged in position for use; Fig. 2 is a plan view of the frame with its supporting rods in section; Fig. 3 is an end view of one end of the frame showing the top holding roll slightly elevated; Fig. 4 is a central vertical cross sectional view showing the quilt top and lining arranged on the frame and the top holding roll elevated and showing the manner in which said roll is held up; Fig. 5 is a similar view with the top holding roll down and the parts in operative position; Fig. 6 is a detail longitudinal section through one end of the frame on the line 6—6 of Fig. 2. Fig. 7 is a cross sectional view through one of the winding rolls showing the manner in which the ends of the quilt material is secured to the rolls; Fig. 8 is a similar view taken at right angles to Fig. 6.

Referring more particularly to the drawings, 1 denotes the frame which consists of end pieces 2 and 3. The end pieces 2 and 3 are connected together at one end by a lin-

ing supporting roll 4 which is here shown and is preferably in the form of a rectangular bar having in its outer ends pivot bolts or trunnions 5 which are engaged with suitable bearing apertures in the ends 2 and 3, as shown. On the outer end of the pivot bolt or trunnion at one end of the roll is a squared head 6 which is adapted to be engaged by a locking hook or pawl 7 which is pivoted on the outer side of the end 2 and is provided with a squared notch or recess 8 to fit over the squared head 6 and thereby hold the roll 4 against rotation in the ends of the frame.

Pivotally mounted in and connecting the opposite ends of the end pieces 2 and 3 is a quilt winding roll 9, said roll being preferably in the form of a rectangular bar and having pivot bolts or trunnions 10 which are engaged with suitable bearing apertures in the ends 2 and 3. On the trunnion 10 adjacent to the outer side of the end piece 2 is formed a squared head 12 with which is engaged a locking pawl or hook 13 having formed therein a squared notch 14 which is adapted to be engaged with the head 12 thereby locking the quilt winding roll against rotary movement in the end pieces of the frame. The quilt winding roll 9 is preferably formed on two or more of its sides with longitudinally disposed grooves 15 in which are inserted and secured metal braces and strengthening bars 16, said bars being provided to increase the rigidity of the winding roll and prevent the same from warping and sagging between its ends.

On one end of the winding roll 9 adjacent to the inner side of the end piece 3 is arranged a ratchet wheel 17 with which is adapted to be engaged a pawl 18 to prevent a retrograde movement of the roll and permit the same to be turned to wind up the finished portion of the quilt and to stretch the lining and top portion while being stitched.

The end pieces 2 and 3 increase in width from near the lining supporting roll 4 to a point adjacent to their opposite ends and on the inner sides of said pieces at the point of their greatest width is pivotally connected the inner ends of roll supporting arms 19, in the outer ends of which is revolubly mounted a quilt top supporting roll 20, said roll being preferably in the form of a rectangular bar having on its opposite ends bearing studs or trunnions, on one of which



is formed a squared head 22 with which is adapted to be engaged a locking pawl 23 having formed therein a squared notch 24 to engage the squared head 22 and thereby hold the top supporting roll against rotation in the arms 19. When the top supporting roll is down in an operative position, the arms 19 engage stops which are formed on the inner ends of bolts 25 which pivotally connect the lower ends of frame supporting bars 26 hereinafter described. When the top supporting roll 20 is in its lowermost position, the arms 19 lie in an inclined position corresponding with the inclination of the upper edges of the frame bars 2 and 3 of the frame and by reason of the inclined position of the arms 19, the quilt top roll 20 will remain in an operative position without additional fastening means.

The supporting bars 26 which are pivotally connected to the outer sides of the end bars 2 and 3 by the bolts 25 have right-angularly formed inwardly projecting upper portions 27 provided on their inner ends with downwardly projecting hooks 28. These hooks are connected with the lower ends of flexible straps 30, which are in turn connected with the supporting rods, 29. The straps 30, are provided with series of longitudinally spaced hook engaging apertures whereby the frame 1, may be supported at different elevations.

The upper ends of the wire rods 29 are loosely connected to the opposite ends of a supporting bar or trolley 32, to the upper side of which are secured trolley wheels or pulleys 33 by means of which the bar or trolley 32 is adjustably mounted on a trolley wire 34, one end of which is connected with an eye-bolt 35, screwing in one wall of the room or other support, while the opposite end thereof is secured to a bracket 36, attached to the opposite wall or other support.

In the end piece 3 of the frame, adjacent to the quilt winding roll is formed a notch or recess 37 to permit the frame to be passed beneath the presser foot of a sewing machine and the end piece 3 is strengthened at the point where the recess 37 is formed by means of a brace bar 38 which is set into the lower edge of the end piece, as clearly shown in Fig. 6 of the drawings.

Tacked or otherwise secured to each of the rolls 4, 9 and 20 are material attaching strips 39, the outer edges of which have stitched thereto reinforcing strips 40 between which and the outer edges of the attaching strips is inserted and secured the lining and quilt top or the finished quilt, as the case may be. By providing the reinforcing strips 40 and by inserting the edges between the same and the adjacent edges of the attaching strips, the material is more firmly and evenly secured and the strain of the same on the attaching strips is more evenly distributed.

Connected to the trolley bar 32 by a cord or other flexible element 41 is a roll supporting hook 42 by means of which the quilt top supporting roll may be held up above the lining to facilitate the insertion of the filling material between the lining and the top portion of the quilt.

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 quilting frame comprising end bars, said bars being wider adjacent to one of their ends, a quilt winding roll revolubly mounted between said bars at one end thereof, a lining supporting roll revolubly mounted between the opposite ends of the bars, means to hold said rolls against rotary movement in the bars, roll supporting arms pivotally connected at their inner ends to said end bars at the point of their greatest width, a quilt top supporting roll revolubly mounted in the outer ends of said arms, means to hold said quilt top supporting roll against rotary movement, supporting bars pivotally connected at their lower ends to said end bars of the frame said supporting bars having right angularly formed upper ends provided with hooks, a trolley wire, a trolley arranged to travel on said wire, supporting rods connected to the ends of said trolley and flexible straps secured to the lower ends of said supporting rods, said straps having formed therein a plurality of apertures to receive the hooked upper ends of said supporting bars whereby the frame is adjustably connected with the trolley to support the former at the desired elevation.

2. A quilting frame comprising end bars, the upper edges of which incline from a point near one end to the opposite end thereof, a quilt winding roll revolubly mounted between said bars at one end thereof, a lining supporting roll revolubly mounted between the bars at the opposite ends thereof, a pair of roll supporting arms pivotally connected to the end bars at the point of their greatest width, a quilt top supporting roll revolubly mounted in the outer ends of said arms, said top supporting roll and arms being adapted to be swung down between the end bars, so that said roll will lie in a plane below the pivotal connection of the opposite ends of the arms with the end bars, thus holding said roll in an operative position, and means to hold the top supporting roll



in an elevated position to facilitate the insertion of filling between the top and lining portions of the quilt.

3. A quilt frame comprising end bars, a  
5 quilt winding roll revolubly mounted between said bars adjacent to one end thereof, reinforcing plates arranged on said roll, a lining supporting roll revolubly mounted between the opposite ends of said end bars, a  
10 pair of supporting arms pivotally mounted on said end bars, a quilt top supporting roll revolubly mounted in said supporting arms, material attaching strips secured to said rolls, and reinforcing strips secured to said  
15 attaching strips adjacent to their outer edges to permit the quilt material to be secured between said reinforcing strips and the outer edges of the attaching strips whereby the strain of the quilting material is evenly distributed.  
20

4. A quilting frame comprising end bars, one of which is provided with a machine engaging notch or recess, a reinforcing plate on the lower edge of said end bar to  
25 strengthen the recessed portion thereof, a quilt winding roll revolubly mounted in said end bars adjacent to one end thereof, a pawl and ratchet between the outer end of said winding roll and one end of said end bars to  
30 prevent a retrograde movement of said roll, means on the opposite end of the roll to hold the same against rotary movement in either

direction, a lining supporting roll revolubly mounted between the opposite ends of said end bars, a pair of roll supporting arms pivotally mounted on said end bars to swing  
35 between the same, stops to limit the downward movement of said arms, a quilt top supporting roll revolubly mounted in the outer end of said arms, means to hold said  
40 quilt top and lining supporting rolls against rotary movement, frame supporting bars pivotally connected to said end bars, inwardly projecting hooked ends formed on the upper ends of said supporting bars, a  
45 frame supporting or trolley bar, supporting elements to connect said frame with said trolley bar, said supporting elements comprising wire rods and flexible straps, said straps having formed therein a plurality of  
50 apertures adapted to be engaged by the hooked upper ends of said supporting bars whereby the heights of the frame may be regulated, a trolley wire, and means whereby  
55 said supporting bar is connected to said trolley wire to travel thereon.

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

CARRIE E. ASHBY.  
LEMUEL A. ASHBY.

Witnesses:

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