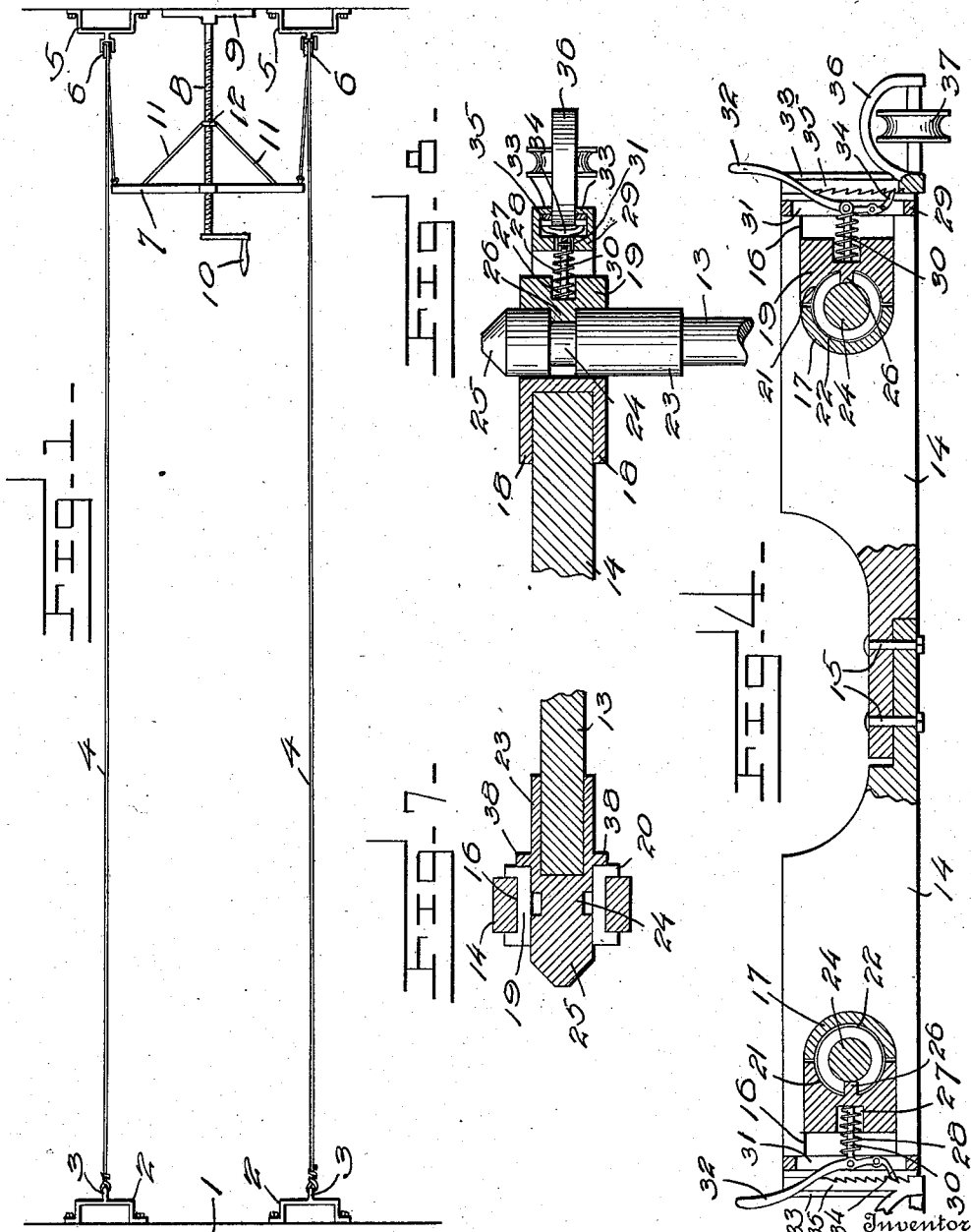


G. DALTON.
 QUILTING FRAME.
 APPLICATION FILED JUNE 2, 1911.

1,014,130.

Patented Jan. 9, 1912.
 2 SHEETS-SHEET 1.



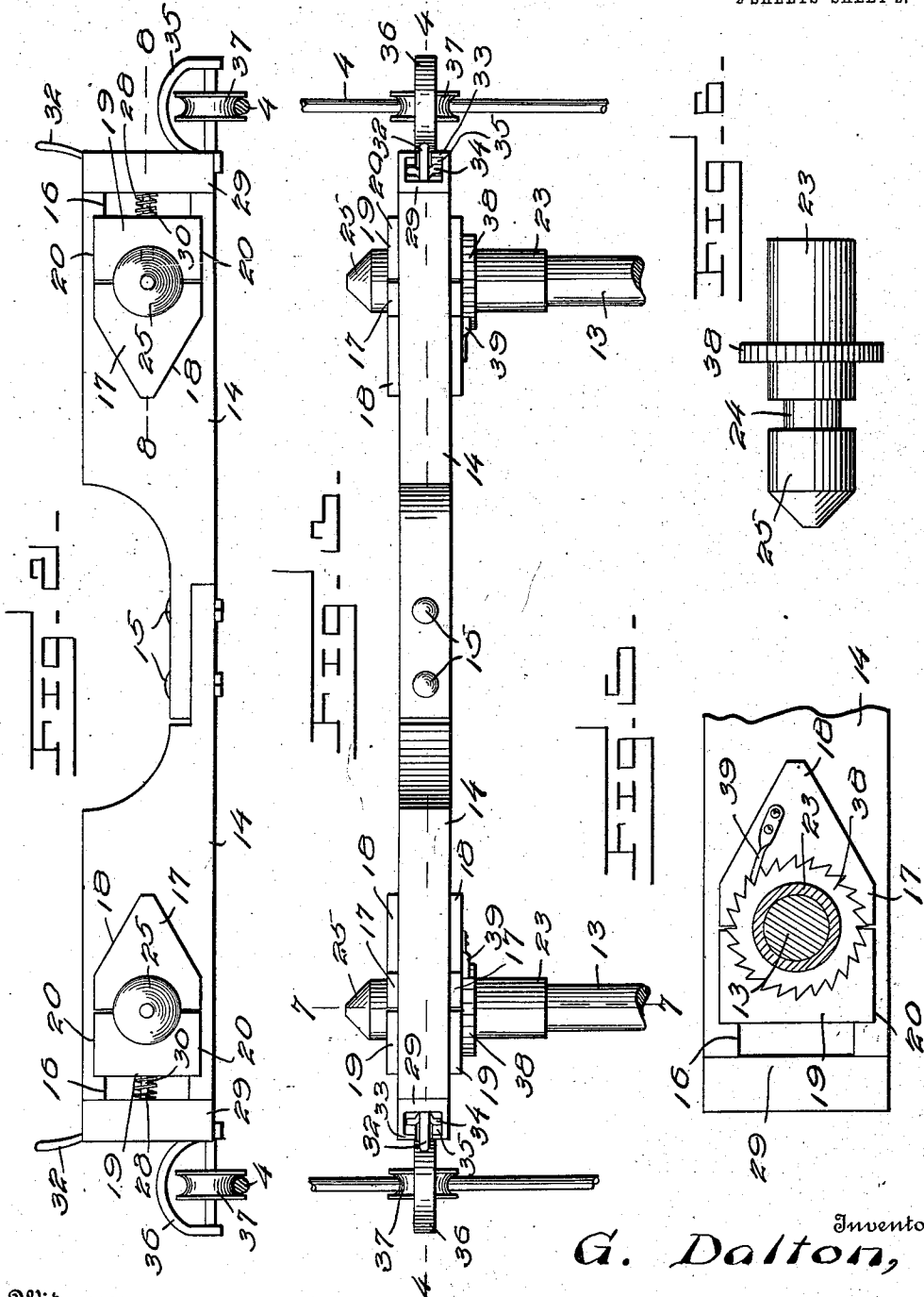
Witnesses
R. L. Kinsburg
H. H. Parsons

G. Dalton,
 By *Harry Ellis Chandler*
 Attorney

G. DALTON.
 QUILTING FRAME.
 APPLICATION FILED JUNE 2, 1911.

Patented Jan. 9, 1912.
 2 SHEETS—SHEET 2.

1,014,130.



Witnesses
E. A. Armstrong
W. H. Parsons

Inventor
G. Dalton
 By *Nary Ellis Chandler*
 Attorney

UNITED STATES PATENT OFFICE.

GILBERT DALTON, OF OGLESBY, TEXAS.

QUILTING-FRAME.

1,014,130.

Specification of Letters Patent.

Patented Jan. 9, 1912.

Application filed June 2, 1911. Serial No. 630,794.

To all whom it may concern:

Be it known that I, GILBERT DALTON, a citizen of the United States, residing at Oglesby, in the county of Coryell and State of Texas, have invented certain new and useful Improvements in Quilting-Frames, of which the following is a specification.

My invention relates to improvements in quilting frames and the leading object of my invention is the provision of an improved quilting frame which may be readily secured in position in a room and which will serve to hold the quilt in desired stretched position while permitting of the ready lifting of the frame from place to place.

A further object of my invention is the provision of an improved quilting frame which may be readily assembled or taken apart and folded into small space, which frame shall be provided with improved readily adjustable rollers for supporting the quilt and for moving to adjust the position of the quilt and expose any desired portion thereof.

Another object of my invention is the provision of an improved means for supporting the quilting frame to permit of ready access to all parts of the quilt and permit of the shifting of the quilt or of the frame as desired which supporting means shall be readily adjustable.

Other objects and advantages of my improved quilting frame will be readily apparent by reference to the following description taken in connection with the accompanying drawings, and it will be understood that I may make any modifications in the specific structure shown and described within the scope of my claims without departing from or exceeding the spirit of the invention.

Figure 1 represents a plan view of the guide tracks and supports therefor. Fig. 2 represents an end view of my quilting frames. Fig. 3 represents a top plan view of the same. Fig. 4 represents a sectional view on the line 4—4 of Fig. 3. Fig. 5 represents an enlarged detailed view of the bearings. Fig. 6 represents a detailed view of the cap sleeve for the rollers. Fig. 7 represents a sectional view on the line 7—7 of Fig. 3, and Fig. 8 represents a sectional view on the line 8—8 of Fig. 2.

In the drawings, the numeral 1 designates the wall of the room in which my frame is used, one of said walls having secured thereto the brackets 2 having the projecting lugs

3 to which are secured one end of the track wires 4, while to the other wall is secured the brackets 5 bearing the sheaves 6 over which the other ends of the trackwires pass. The free ends of the trackwires are secured to the cross bar 7 engaged upon the threaded rods 8 which has rotatably secured at one end the head plate 9 bearing against the wall 1, the other end of the rod bearing the crank 10 for turning the rod the turning of the rod moving the bar 7 outward to stretch the wires 4, braces 11 being secured to the bar 7 and to the collar 12 riding upon the rods 8 to strengthen the bar.

The tracks 4 serve as supports for my improved quilting frame, said frame comprising a pair of end members of similar construction connected by the rods or roller bars 13. The ends of my frame comprise the beams 14 having reduced ends centrally connected by the bolts 15 and having longitudinally extending slots 16 formed in their outer ends. Slidably engaged in the slots 16 of each of the beams 14 is the bearing block 17 having the flanges 18 bearing against the sides of the beam. Mounted in the slots 16 exterior to the bearing block 17 is a second bearing block 19 having flanges 20 bearing against the sides of the beam and having a semicircular recess 21 in its inner face to form in connection with the recess 22 of the bearing block 17 a round bearing for the rollers 13. The rollers 13 each have secured on their ends the metal sleeves 23 having the reduced necks 24 and terminating in the solid ends 25, said sleeves fitting within the bearing recess, and the bearing block 19 having an inwardly projecting lug 26 fitting into the groove around the neck 24 to prevent withdrawal of the sleeve from the bearing recess.

To force the bearing block 19 inward to cause it to firmly engage the sleeve 23 and retain the same in position, while permitting of the outward movement of the bearing block when it is desired to remove the sleeve, I form in the block 19 the socket 27 in which is mounted the coil spring 28 having one end bearing against the base of the socket and the other end bearing against the plate 29 which is secured to the outer end of the beam 14 and forms a closure for the slot 16. To permit of the ready outward movement of the block 19 when desired, I secure to the block 19 within the recess 27 the rod 30 around which the spring 28 is coiled, said

rod extending outward through the slot 31 in the plate 29 and having its other end pivoted to the lever 32 which is pivotally secured near its lower end to the plate 29. It will thus be seen that the rocking of the lever 32 on its pivot serves to draw the block 19 outward against the force of the spring 28 until the lug 26 is moved out of the grooves surrounding the neck 24. The plate 29 is provided with the outwardly and reversely bent flanges 33 between which the lever 32 is disposed, said lever having a bifurcated or yoke shaped lower end 34 lying beneath the flanges, and fitting under the flanges and held in adjusted position by the engagement of the ends of the portion 34 of the lever are the toothed plates 35 bearing at their lower ends the brackets 36 in which is pivoted the grooved wheel 37 which rides on the guide-wires 4 the movement of the lever to shift the block 19 outward also causing its lower end to disengage the plates 35 to permit of their withdrawal from beneath the flanges 33.

To lock the sleeve 23 and thus the rollers 13 against rotation to permit of the stretching of the quilt therebetween, I secure on the sleeve 23 the ratchet wheels 38, while secured to the inner bearing blocks 17 are the blade springs 39 which serve as pawls to engage the ratchet wheels and prevent their rotation inwardly while allowing of the outward rotation of the ratchet wheels, the said spring pawls thus allowing of the ready tightening of the rollers and locking the same in tightened position.

From the foregoing description taken in connection with the drawings, the construction of my improved quilting frame will be readily understood, and it will be seen that I have provided a simple and efficient device of this character by the use of which the quilt may be readily secured in desired position or may be shifted along the track wires to different parts of the room and by the use of which the quilt can be readily stretched for quilting.

I claim:

1. A quilting frame, comprising beams having a slot at their outer ends, a bearing block slidably mounted in the slot and provided with a blade spring projecting therefrom, a second bearing block slidably mounted in the slot, said bearing blocks having recesses formed in their adjacent faces to pro-

vide a bearing, a metal sleeve having its end engaged in the bearing recess, said sleeve having a reduced portion, the outer bearing block being formed with an inwardly projecting lug fitting into said reduced portion of the sleeve, rollers having their ends engaged in the sleeves, and ratchet wheels secured on the sleeves, the blade springs of the bearing blocks engaging said ratchets to prevent the rotation of the sleeves and thus of the rollers in one direction.

2. A quilting frame, comprising a frame beam slotted at each end, a second frame beam spaced from the first, said latter beam being also formed with slots at its ends, separable bearings slidably mounted in the slots of the beams, plates secured to the ends of the beams for closing the slots, rollers connecting the beams and provided with reinforced ends fitting into the bearings, springs having one end bearing against the outer members of the bearings and the other against the said plates for retaining the bearings in position, levers pivoted to the plates, connections between the levers and the bearings for shifting the bearings against the tension of the springs, and roller bearing brackets carried by the plates and locked in position by the said pivoted levers.

3. An end section for quilting frames, comprising a slotted beam, an inner half bearing slidably mounted in the slot of the beam, an outer half bearing slidably mounted in the slot exterior to the inner portion, a plate secured to the beam and forming a closure for the open end of the slot, a spring interposed between the plate and the outer half bearing for forcing the latter inward, the plate having reversely bent flanges, a lever pivoted between the flanges, connections between the lever and the outer half bearing for shifting said bearing block outward against the force of the spring, toothed plates fitting under the flanges of the end plate, the lever having a yoke on its end engaging said toothed plates to lock them in position, brackets formed at the lower ends of the plates, and a grooved wheel rotatably supported by the brackets.

In testimony whereof I affix my signature, in the presence of two witnesses.

GILBERT DALTON.

Witnesses:

JOHN M. CASEY,
H. D. EDWARDS.