

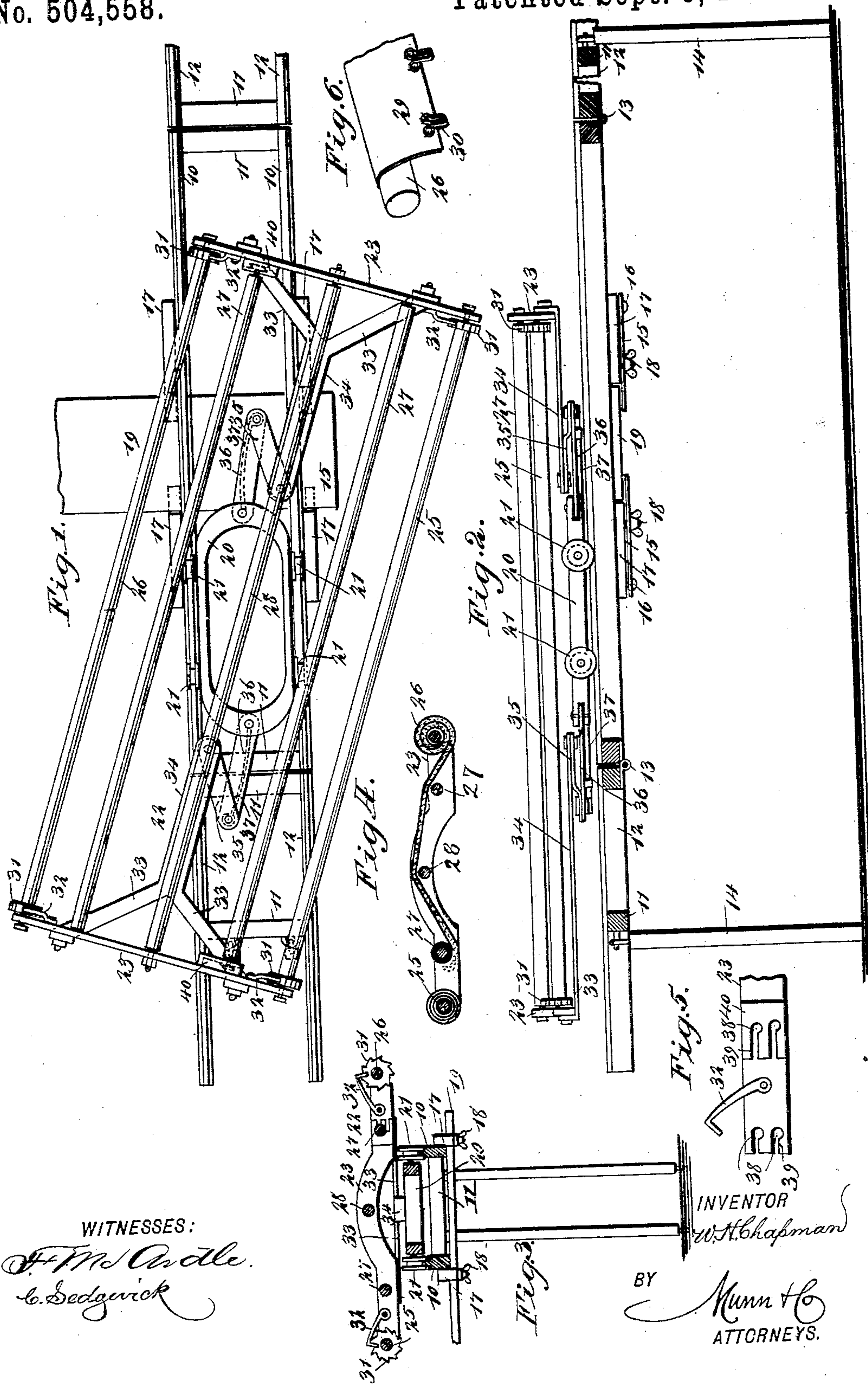
(No Model.)

W. H. CHAPMAN.

QUILTING ATTACHMENT FOR SEWING MACHINES.

No. 504,558.

Patented Sept. 5, 1893.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM H. CHAPMAN, OF BRADFORD, ARKANSAS.

## QUILTING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 504,558, dated September 5, 1893.

Application filed May 18, 1893. Serial No. 474,710. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. CHAPMAN, of Bradford, in the county of White and State of Arkansas, have invented a new and Improved Quilting-Frame, of which the following is a full, clear, and exact description.

My invention relates to improvements in quilting frames; and the object of my invention is to produce a simple, cheap and convenient quilting frame, which may be easily applied to any ordinary sewing machine, which enables a quilt to be very conveniently handled, and which may be turned so that the quilting may be done in any desired direction; that is, seams may be made to run in straight, curved, or any desired lines.

To this end my invention consists in certain features of construction and combinations of parts, as will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of my improved quilting frame. Fig. 2 is a longitudinal sectional elevation of it. Fig. 3 is a central cross section of the frame. Fig. 4 is a detail cross section of the frame proper, that is, the part which carries the quilt. Fig. 5 is a detail elevation of the hangers in which the quilting rollers are hung; and Fig. 6 is a broken detail perspective view of one of the rollers and the flexible strip thereon.

The frame proper is carried on a supporting track, consisting of parallel rails 10 which are adapted to lie in horizontal position, and the rails are held parallel by cross bars 11. The track is provided with extension ends 12 which are hinged to the main portion of the track, as shown at 13, and these extensions are also provided with suitable cross bars 11 and they are adapted to swing downward out of the way if they are not to be used, but if they are to be used they may be supported in a horizontal position by the legs 14 which are pivoted to the cross bars 11, as clearly shown in Fig. 2.

The track 10 is provided with spring clips 15 which are pivoted, as shown at 16, to blocks 17, these being fastened to the track and the clips may be held tightly in place and par-

allel with the tracks by thumb screws 18, or equivalent fastenings. This construction enables the track to be fastened to the table 19 of any sewing machine or to a leaf of the table, and to do this the clips are first loosened and may be swung to one side so as to enable the track to be placed conveniently upon the table, after which the clips may be swung beneath the table, as illustrated in Fig. 2, and fastened firmly in place so as to clamp the track to the table.

A carriage 20, which is preferably of an elliptical shape, is arranged to run upon the track and is provided with suitable rollers 21 which are preferably grooved to fit the track rails. The carriage forms a movable support for the frame 22 which carries the quilt, and this frame consists essentially of the end pieces 23 which are curved upward in the middle, as shown clearly in Fig. 3, so as to hold the quilt well above the carriage, the stay rod 28 connecting the end pieces and extending from center to center thereon, and the rollers 25, 26, and 27 to which the quilt is fastened. The rollers 25, 26 and 27 are provided with flexible strips 29, having hooks 30 at their free ends, which are adapted to engage the material to be quilted. The rollers 25 and 26 are provided, at their ends, with ratchet wheels 31 which are engaged by pawls 32 pivoted on the frame 22, and these ratchet wheels and pawls prevent the rollers from unrolling as the quilted material is rolled upon them. The frame 22 has extending horizontally beneath it straps or braces 34, which have forked outer ends 33, these being secured to the end pieces 23 of the frame 22, and at their inner ends these straps are pivoted to links 35 which in turn are pivoted to a second set of links 36, and the latter are pivoted to the ends of the frame 20. This arrangement permits the frame 22 to be swung around freely while the carriage 20 retains its position upon the track, and therefore the material carried by the frame may be brought into any desired position so that the quilting stitches may be placed wherever desired.

The frame 22 is held normally in a position parallel with the track 10 by springs 37 which are fastened to the ends of the carriage and to the outer ends of the links 36, but these springs are sufficiently flexible to permit the



frame to be turned when desired. The several rollers of the frame are removable so as to facilitate the easy attachment of materials and to facilitate the attachment and detachment of the rollers.

The end pieces 23 of the frame 22 are provided with holes 38 to receive the journals of the rollers 25 and 26, these holes having side slots 39 extending to the ends of the end pieces, as clearly shown in Fig. 5.

To provide for the insertion or removal of the rollers 27, boxes 40 are attached to the inner sides of the end pieces 23, and the holes 38 and slots 39 are made in the boxes in substantially the same way that they are made in the ends of the end pieces. When the material is to be quilted, the fabric forming one side of the quilt is attached to the roller 25, the fabric forming the other side is attached to one of the rollers 27, the one next the roller 25, as shown in Fig. 4, and the united ends or edges of the two fabrics are attached to the roller 26, the padding is rolled in between the two fabrics, as shown in the same figure, and the material is quilted in the usual way; and as fast as it is quilted it is rolled up on the roller 26.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a quilting attachment, the combination with a track, and a carriage thereon, of a quilting frame, a link pivoted to the carriage,

and a second link pivoted to the first named link and pivotally connected with the quilting frame, substantially as and for the purpose set forth.

2. In a quilting attachment, the combination with a track, and a carriage thereon, of a quilting frame, a horizontally arranged link connection between the carriage and frame for supporting the frame above the carriage and permitting the frame to turn freely, and springs for normally holding the frame in alignment with the carriage, substantially as described.

3. The combination, with the supporting track and the carriage thereon, of the quilting frame mounted above the carriage and provided with rollers to receive the quilt, and horizontal braces secured to the ends of the frame and connected by jointed links with the carriage, substantially as described.

4. In a quilting attachment the combination with a track, and a carriage thereon, of a quilting frame provided with horizontally extending braces, links pivoted together and to the braces and carriage, and springs secured to the carriage and to the outer end of the link which is pivoted to the carriage, substantially as described.

WILLIAM H. CHAPMAN.

Witnesses:

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