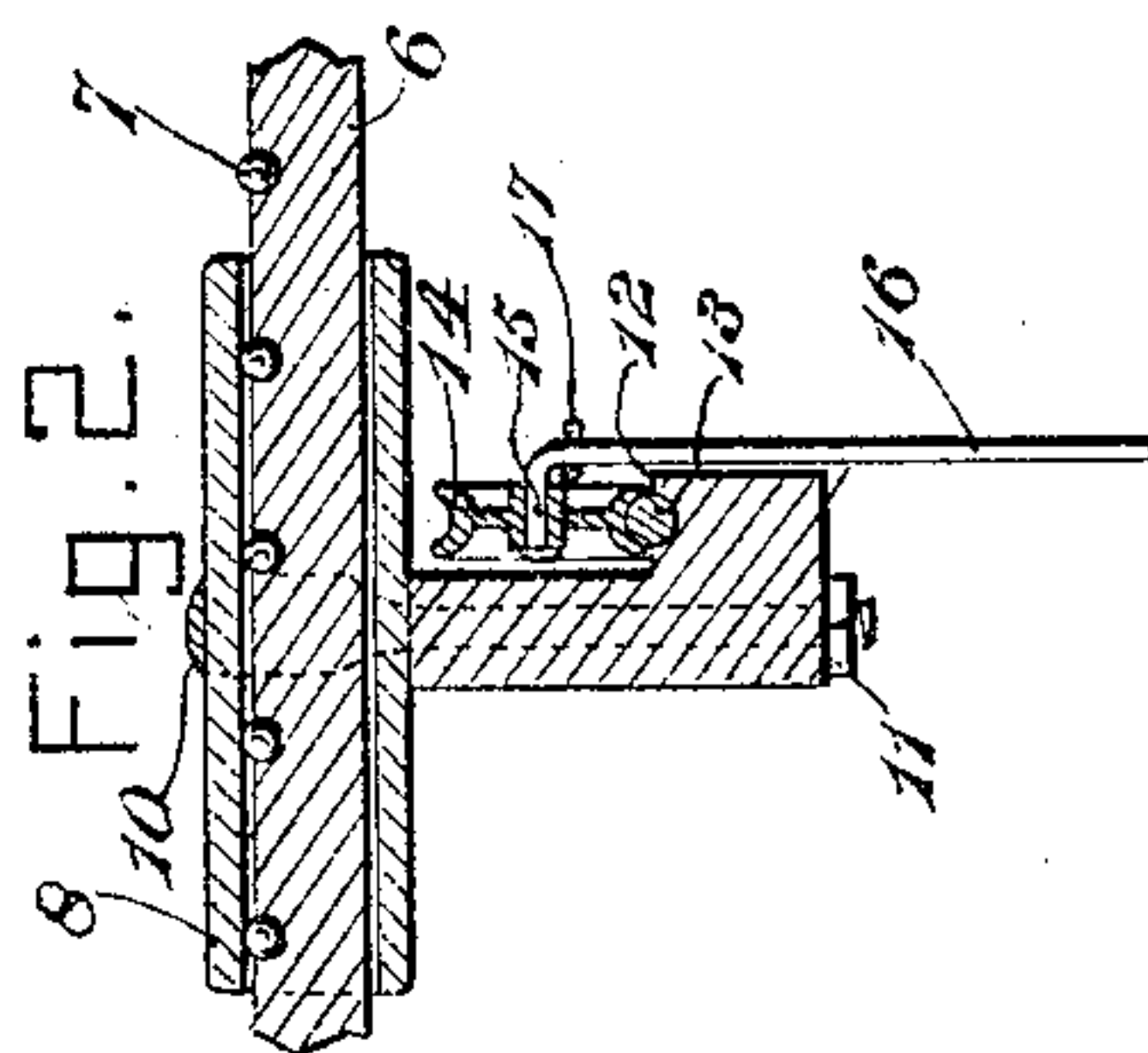
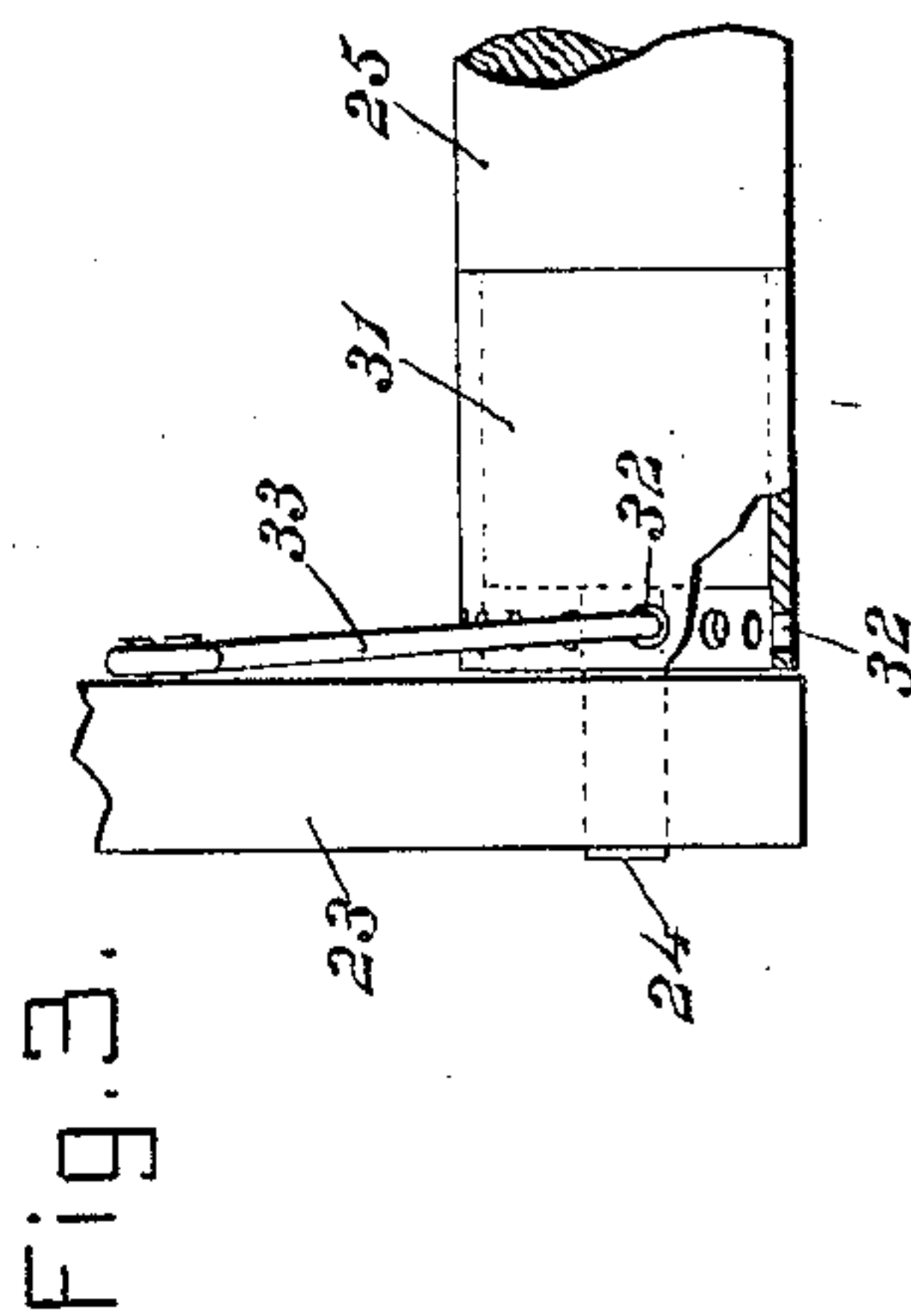
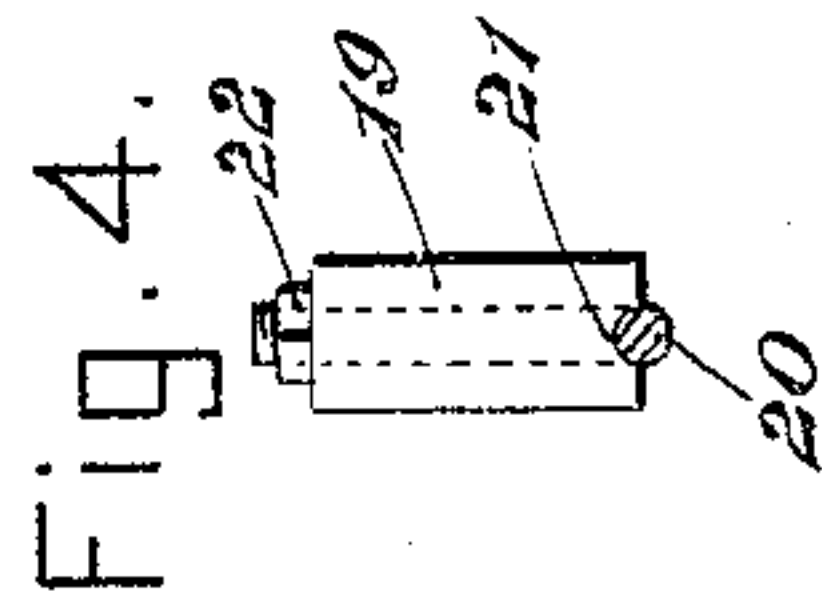
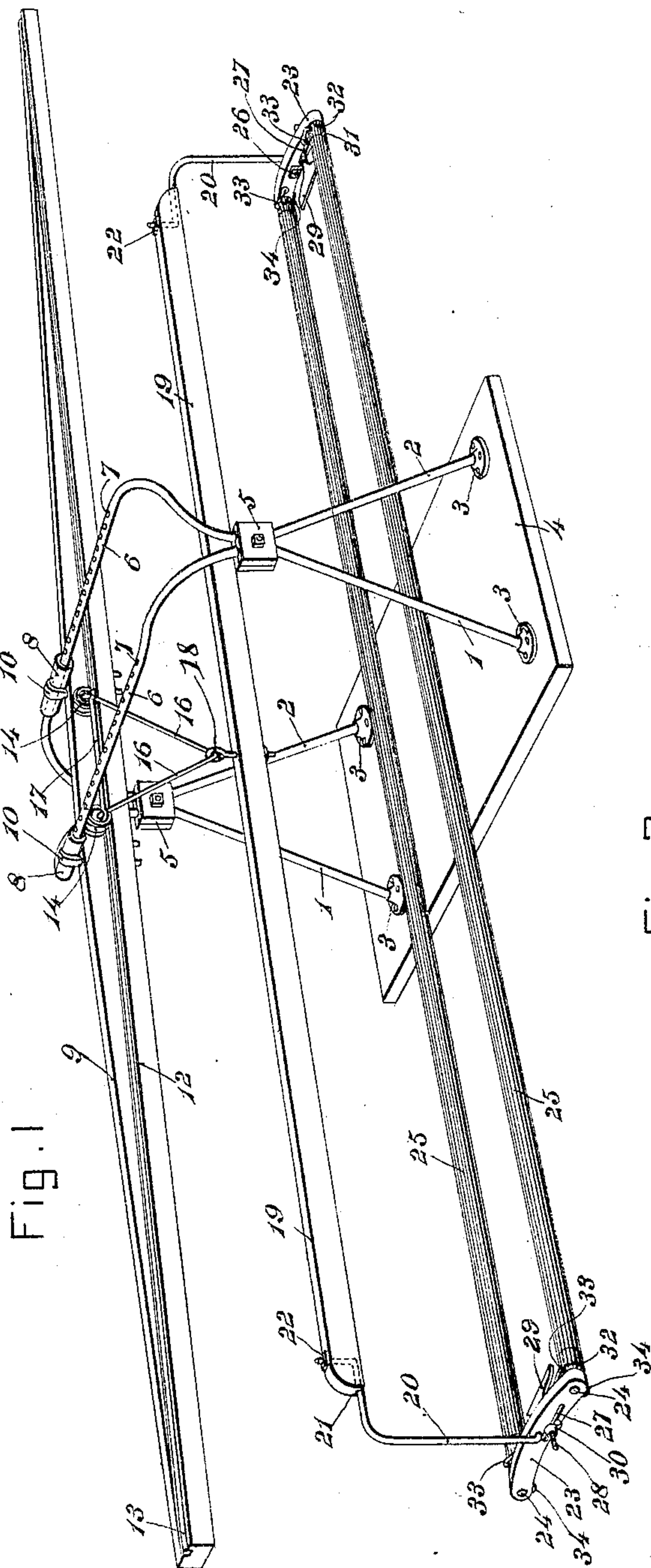


No. 803,040.

PATENTED OCT. 31, 1905.

L. D. WEST.
QUILTING FRAME.

APPLICATION FILED APR. 21, 1905.



Witnesses:

P. F. Stewart
R. M. Elliott

Lynch D. West.

Inventor,

by

Cashnow Co

Attorneys

UNITED STATES PATENT OFFICE.

LYNCH D. WEST, OF MOLINE, KANSAS.

QUILTING-FRAME.

No. 803,040.

Specification of Letters Patent.

Patented Oct. 31, 1905.

Application filed April 21, 1905. Serial No. 256,731.

To all whom it may concern:

Be it known that I, LYNCH D. WEST, a citizen of the United States, residing at Moline, in the county of Elk 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.

The object of the invention is in a novel manner to simplify the construction, increase the efficiency, and reduce the labor necessary to operate the parts thereof.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a quilting-frame, as will be hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which like characters of reference indicate corresponding parts, Figure 1 is a view in perspective of a quilting-frame constructed in accordance with the present invention. Fig. 2 is a view in longitudinal section, on an enlarged scale, through the track-bar and one of the wheels that support the quilting-frame. Fig. 3 is a fragmentary detail view, partly in section, on an enlarged scale, of one of the rollers upon which the material to be quilted is wound, showing more particularly the means for holding it against rotation. Fig. 4 is a view in end elevation, partly in section, showing the manner in which the hangers supporting the quilting-frame rollers are combined with their overhead support.

Referring to the drawings, 1 and 2 designate a pair of open-sided approximately rectangular standards, the terminals of which are secured in socket-plates 3 in any preferred manner, and these latter are adapted to be combined with a suitable support 4, such as the top of the high-speed sewing-machine. As the construction of the latter has nothing to do with the present invention, illustration thereof is omitted.

The standards converge from their lower ends upward to any desired height and are secured against spreading by means of clamps 5, which may be of any preferred character, and above the clamps the brackets diverge laterally and curve upward and are formed in two parallel-disposed horizontal members 6, from which the quilting-frame proper and its accessories are supported. Each member 6 is provided on its upper side with a plurality

of sockets in which are disposed ball-bearings 7, as clearly shown in Fig. 2, and these two series of bearings are engaged by sleeves 8, with which is connected a track-bar 9, that may be of wood or any other suitable material, the connection between the track-bar and the standard member 6 being secured by strap-bolts 10, the terminals of which project through suitable orifices in the track-bar and carry at their lower sides nuts 11, one only being shown in Fig. 2, by which to effect proper connecting of the parts together. By the provision of the ball-bearings the sleeves will be adapted to travel back and forth upon the members 6 with but slight resistance, thereby enabling the operator to shift the quilting-frame in the appropriate direction to accomplish the work designed with but little labor.

The track-bar 9 is rabbeted longitudinally on one side to form a ledge 12, in the upper face of which is sunken or embedded a track 13, that may be formed from a length of bar metal, and is held combined with the ledge in any preferred manner. The track 13 is engaged by a pair of peripherally-grooved wheels 14, the hub-orifices of which are engaged by the terminals 15 of a V-shaped frame 16, (more clearly shown in Fig. 2,) the wheels being held against spreading or at a predetermined distance apart by means of a tie-wire 17, the terminals of which are secured around the frame in any preferred manner. The frame is engaged by an eyebolt 18, that is disposed intermediate of the ends of a beam 19, which may be of any preferred shape in cross-section and be made of any suitable material. This beam has combined with each of its terminals a hanger 20, the connection between the hangers and the beam being secured in this instance by providing the under side of the latter at each end with a depression or groove 21, in which is housed a portion of each of the hangers, the ends of the latter being bent at right angles to the portion included in the recesses and projected upward through openings in the beam, the extended ends having nuts 22 combined with them for holding the hangers positively in position. The lower terminals of the hangers are intumed and project through openings formed in a pair of end bars 23, in which the terminals 24 of the quilt-holding rollers 25 are journaled, the hangers being held combined with the end bars by bolts 26, (one only being shown,) that bear against the inner faces of the end bars, as

shown in Fig. 1. Each end bar is provided with a longitudinal slot 27, through which projects to the outer side of each bar the threaded terminal 28 of a quilt-clamp 29, a thumb-nut 30 engaging each of the terminals 28, operating to lock the clamp in any desired position in the slot 27. This clamp may be of the usual or any preferred construction and is common to apparatus of this kind for the purpose of retaining the quilt under such tension as to hold the surface that is being operated upon smooth and free from wrinkles or gatherings.

The rollers 25 are of the usual or any preferred construction, and each has connected with it at each terminal a band or sleeve 31, having adjacent to the ends of the rollers peripherally-disposed orifices 32 to be engaged by a locking member 33 in the nature of an ordinary hook and by which the rollers are held against turning, thus to retain the quilt under the proper tension.

In order to protect the upper surface of the machine-table from being marred by contact therewith of the end bars, the latter has arranged at each end on its under side yielding bumpers or buttons 34, which may be made of any suitable material, preferably of rubber, and held combined with the end bars in any preferred manner.

Having thus described the invention, what is claimed is—

1. A quilting-frame embodying a standard comprising a pair of horizontally-disposed

members provided in their upper faces with sockets, antifriction-bearings mounted in the sockets, sleeves encircling the members and engaging the bearings, a track-bar supported by the sleeves, and quilt-holding rollers carried by the track-bar.

2. A quilting-frame embodying a standard comprising a pair of horizontally-disposed members provided in their upper faces with sockets, ball-bearings mounted in the sockets, sleeves encircling the members and engaging the bearings, a track-bar supported by the sleeves, and quilt-holding rollers carried by the track-bar.

3. In a quilting-frame, a pair of supporting-standards having their lower terminals laterally deflected and their upper portions disposed in parallel relation to each other and provided with spaced sockets, ball-bearings mounted in the sockets, sleeves disposed upon the members and engaging the bearings, a track-bar supported by the sleeves and having a longitudinal ledge, a track secured to the upper side of the ledge, quilt-holding rollers, and a support therefor having grooved sheaves to engage the track.

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

LYNCH D. WEST.

Witnesses:

E. G. DEWEY,
E. A. CHAFFIN.