

C. S. VAN DOLSEN.

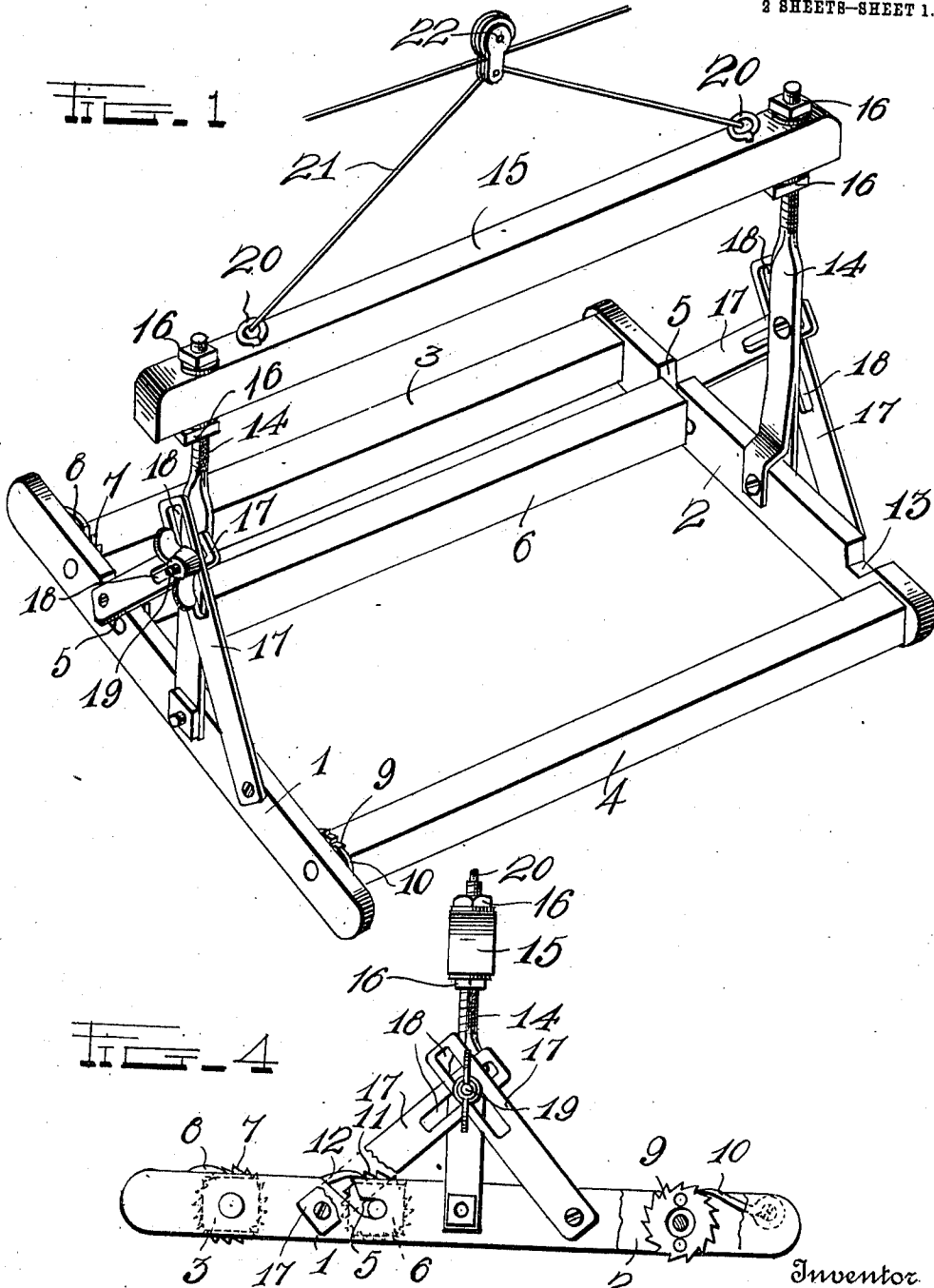
QUILTING FRAME.

APPLICATION FILED JUNE 23, 1910.

988,913.

Patented Apr. 4, 1911.

2 SHEETS—SHEET 1.



Witnesses
C. R. Hardy
C. H. Griebauer

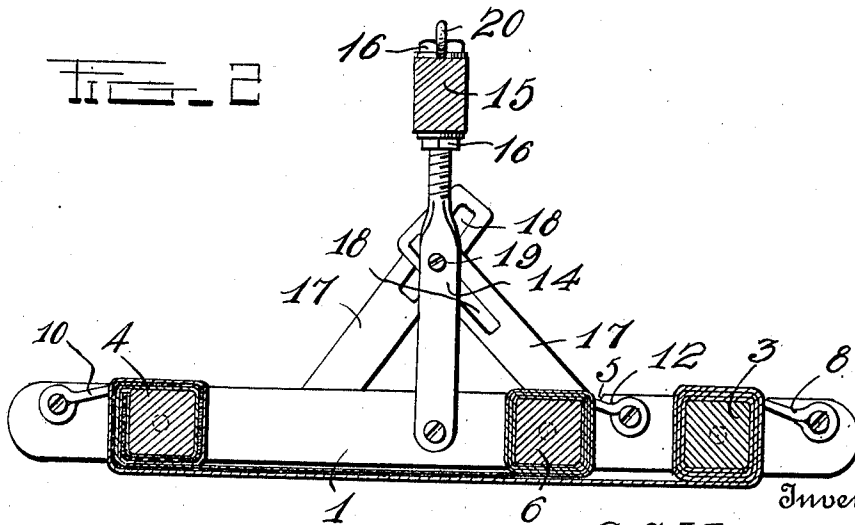
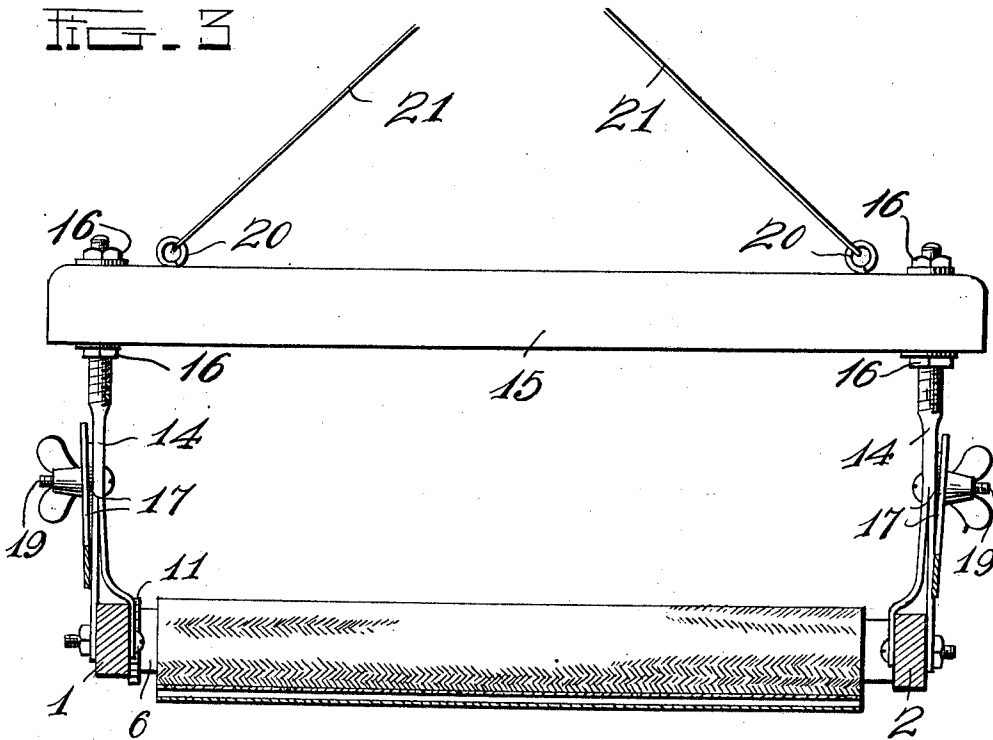
Inventor
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Attorneys

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 C. H. Griesbauer

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UNITED STATES PATENT OFFICE.

CLARENCE S. VAN DOLSEN, OF CENTRALIA, ILLINOIS.

QUILTING-FRAME.

988,913.

Specification of Letters Patent.

Patented Apr. 4, 1911.

Application filed June 23, 1910. Serial No. 568,498.

To all whom it may concern:

Be it known that I, CLARENCE S. VAN DOLSEN, a citizen of the United States, residing at Centralia, in the county of Marion and State of Illinois, have invented certain new and useful Improvements in Quilting-Frames; and I 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.

One object of the invention is to provide a quilting frame having an improved means for adjustably supporting the same in any desired position for stitching the quilt.

Another object is to provide an improved construction and arrangement of rollers for holding the top, the lining and the finished quilt whereby these parts may be unwound from and wound on the rollers as the quilt is being made means being provided to permit the top winding roller to be conveniently raised for placing the filling between the top and lining of the quilt.

With these 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 claim.

In the accompanying drawings: Figure 1 is a perspective view of a quilting frame constructed in accordance with the invention; Fig. 2 is a vertical cross section thereof; Fig. 3 is a central vertical longitudinal section; and, Fig. 4 is an end view with parts broken away to illustrate the means whereby the top winding roller may be raised to permit the insertion of the filling material.

In the embodiment of the invention I provide a frame which may be of any suitable size and shape and which comprises longitudinal side bars 1 and 2 which are connected together adjacent to one end by a revolubly mounted lining holding roller 3 and at their opposite ends by a revolubly mounted quilt winding roller 4. In the side bars adjacent to the lining holding roller 3 are formed downwardly curved bearing notches 5 which open through the upper edges of the side bars as shown. In the notches 5 is revolubly and removably mounted a top holding roller 6. The rollers 3, 4

and 6 are preferably rectangular in cross section and the roller 3 is provided on one end with a ratchet gear 7 with which is adapted to be engaged a pawl 8 which is pivotally mounted on the adjacent side bar 1 of the frame. When the pawl 8 is dropped into engagement with the teeth of the ratchet gear 7 the roller 3 will be securely held against retrograde movement and the lining will be held smooth during the sewing of the quilt. The roller 4 is provided with a ratchet gear 9 with the teeth of which is adapted to be engaged a pawl 10 pivoted on the inner side of the adjacent side bar of the frame. When the pawl is in engagement with the gear 9 the roller 4 will be locked and the finished quilt thus prevented from being unwound therefrom. On one end of the roller 6 is arranged a ratchet gear 11 with which is adapted to be engaged a pawl 12 pivotally mounted on the inner side of the adjacent side bar as shown. When the pawl is engaged with the teeth of the ratchet gear 11 the roller 6 will be locked and the top of the quilt thus prevented from unwinding while the quilt is being stitched.

By forming the bearing notches 5 in the side bars 1 and 2 the roller 6 may be readily disengaged from the bearings and lifted thereby raising the quilt top a sufficient distance to permit the insertion of the filling material between the top and lining. After the filling has thus been arranged the roller 6 is again replaced in the bearings and turned in the proper direction for stretching the top over the filling and the lining of the quilt after which the pawl 12 is engaged with the gear of said roller to hold the same against retrograde movement.

In the upper edge of the side bar 2 adjacent one end is formed a notch 13 which provides a space to permit the frame to be passed beneath the presser foot of the sewing machine when the quilt is to be stitched. In order to support the frame in the desired position and to permit the same to be readily moved back and forth as the quilt is being stitched I provide a supporting mechanism comprising standards or uprights 14 the lower ends of which are preferably bifurcated and said bifurcated ends pivotally connected with the side bars 1 and 2 as shown. The upper ends of the standards 14 are threaded and are engaged with the opposite ends of a cross bar 15. The bar 15 is rigidly secured to the standards 14 by clamping nuts

16 which are mounted on the threaded upper portion of the standards and engage the upper and lower sides of the bar 15 as shown. Pivotaly connected to the outer sides of the
 5 side bars 1 and 2 are inclined brace bars 17 in the upper ends of which are formed slots 18. The slotted upper ends of the brace bars 17 are crossed and are engaged with the bolts 19 arranged in the standards 14 as shown.
 10 On the threaded outer ends of the bolts 19 are arranged clamping nuts which when screwed up into engagement with the crossed upper ends of the brace bars will securely fasten the same. By thus slotting and connecting the brace bars 17 the frame may be
 15 tilted and securely fastened at any desired angle of inclination.

In the cross bar 15 adjacent to its opposite ends are arranged eyes 20 to which are connected the opposite ends of a supporting cable or wire 21 on which is arranged a supporting pulley 22. The pulley 22 is adapted to engage and travel on a supporting wire which is stretched at the desired elevation
 25 between suitable supports. By thus supporting the frame the latter may be moved back and forth or swung around in any desired positions for engagement with the sewing machine or for stitching by hand.

30 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.

35 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 this invention as defined in the appended claim.

Having thus described my invention what I claim is:

The herein described quilting frame comprising parallel side bars, a plurality of rectangular rollers to carry the quilt material revolubly mounted between said side bars and spacing the same, means for holding said rollers against retrograde movement, standards pivoted to said side bars intermediate of their ends, the upper ends of said standards being threaded, brace bars pivoted at their lower ends to said side bars and upon opposite sides of said standards, the upper ends of said brace bars being crossed and provided with longitudinal slots therein, threaded bolts carried by the standards to project through said slots, clamping nuts on said bolts to clamp said brace bars against the standards, a bar disposed longitudinally above the frame, the upper ends of said standards extending through the ends of said bar, nuts threaded on the standard to engage said bar, and suspending means connected to said bar for movably suspending the quilting frame.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CLARENCE S. VAN DOLSEN.

Witnesses:

H. E. WILSON,
 MAMIE E. CALLAGHAN.