

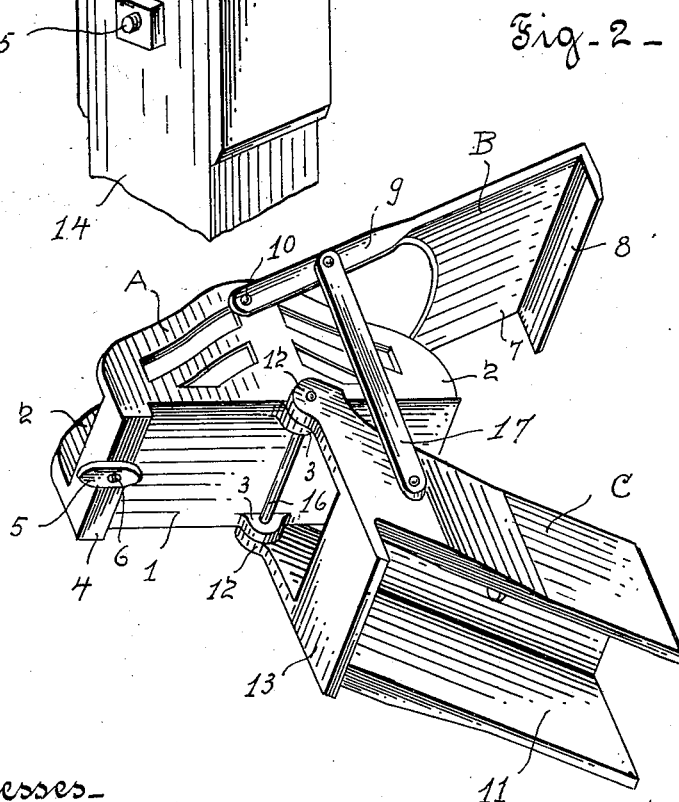
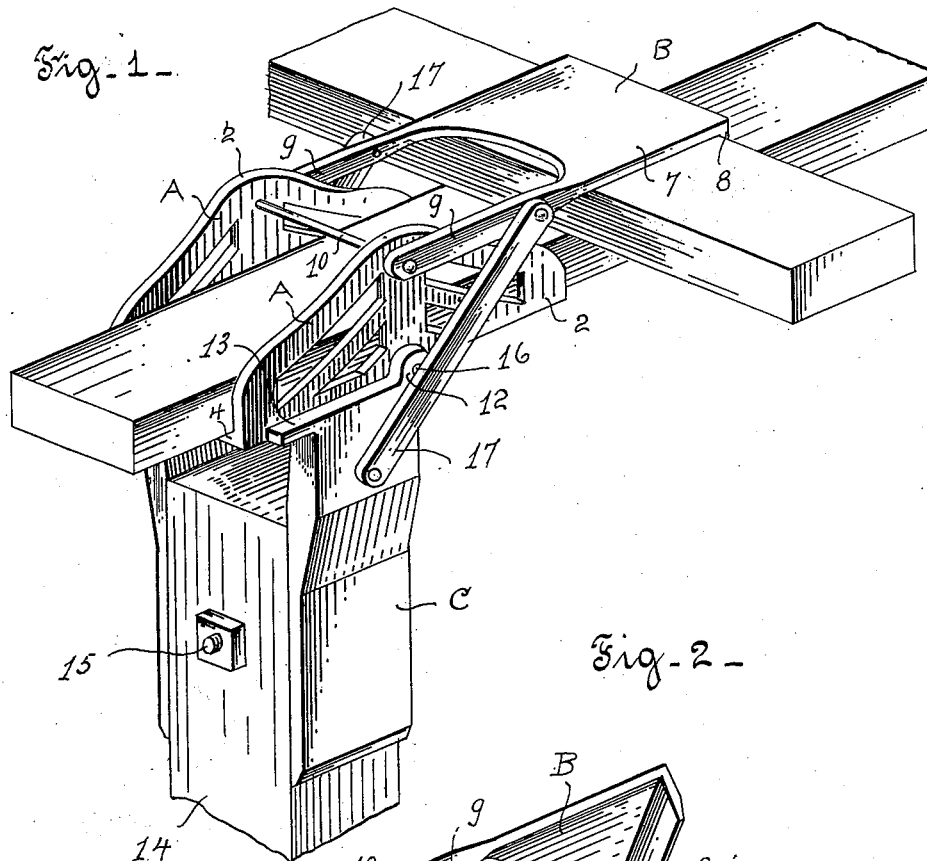
No. 648,219.

Patented Apr. 24, 1900.

N. RUPP.
CLAMP FOR QUILTING FRAMES.

(Application filed Feb. 19, 1900.)

(No Model.)



Witnesses -
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UNITED STATES PATENT OFFICE.

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CLAMP FOR QUILTING-FRAMES.

SPECIFICATION forming part of Letters Patent No. 648,219, dated April 24, 1900.

Application filed February 19, 1900. Serial No. 5,738. (No model.)

To all whom it may concern:

Be it known that I, NICHOLAS RUPP, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented a new and useful Improvement in Clamps for Quilting-Frames, of which the following is a specification.

My invention relates to an improvement in clamps for quilting-frames, and has for its objects to provide a device of the kind that is readily attachable and detachable to form and secure the bars into a rectangular frame of any desired dimensions and readily adjustable to reform them to reduce the dimensions as the fabric is rolled upon the bars; furthermore, of providing a convenient and secure means of attaching legs to support the frame, and, finally, of providing a device of the kind that is durable and that may be economically manufactured. I attain these objects as illustrated in the accompanying drawings and hereinafter described.

In the drawings, Figure 1 is an isometric view of my invention secured to the bars to form a corner of the frame and with a leg attached to support the corner. Fig. 2 is a similar view showing the device detached from the bars and in a reverse position from that shown in Fig. 1.

In the drawings, A is the body portion of the clamp, having a base 1 and sides 2 at right angles to the base, forming a rectangular channel of a width to receive a bar of the frame, as shown in Fig. 1. Integral with the bottom of base 1 are lugs 3, central to and at opposite sides of the base, and a rectangular step 4, increasing the thickness of the rear end, underneath which is attached an elongated button 5 by a screw 6.

B is a rectangular jaw of the clamp comprising a plate 7, having a depending right-angled flange 8 and side terminals 9. Jaw B is pivotally attached to the body portion A by rod 10, extending centrally through the ends of terminals 9 and through the sides 2.

C is a standard for supporting the clamp, having a rectangular channel 11 longitudinally through it with the sides enlarged at the top end and provided with integral lugs 12 and top plate 13. Standard C is also provided with a leg 14, adapted to fit into channel 11 and be secured therein by bolt 15.

The standard C is pivotally secured to the body portion A of the clamp by rod 16, extending centrally through the lugs 3 and 12, and is linked to the jaw B by link-bars 17, oppositely pivoted at one end to the sides of the standard and to the terminals 9 of jaw B at the other. The link-bars 17 are of such length that when the standard C is at right angles to the base 1 of the body portion A, with the bottom of base 1 resting on top plate 13, the jaw B will be parallel with the plane of the base 1 extended, with jaw B extending beyond one end of the body portion A, which, as applied to the bars of the frame, is its inner end. When the standard C is at any lesser angle than a right angle to the base 1, jaw B will be moved by the link-bars 17 to a corresponding angle to its plane.

The several parts of the device being pivotally connected, as described, it may be applied to the bars in the following manner: The fabric of the quilt being secured by its edges to the bars of the frame, with the ends of the side bars resting at right angles across the ends of the end bars, the end of an end bar is inserted between sides 2 of the body portion A from its inner end, with the bottom side of the bar resting on the top of base 1, in which position the clamp, with the standard held at an angle less than a right angle to base 1, may be moved along the bar until its inner end is in contact with the outer edge of a side bar. When in this position, bringing the leg vertical to the bar, in position to support it, the jaw C is lowered until it comes in contact with the side bar, as shown in Fig. 1, and compresses it firmly against the end bar, which is thereby firmly compressed against the base 1, and a corner of the frame is thereby formed and secured. In this position by turning button 5 so that one of its ends is underneath plate 13 of the standard C the leg 14 is locked against movement from a vertical position. When clamps have been so applied to each of the corners of the frame, with the bars adjusted to the full dimensions of the fabric, the frame will be firmly supported by the legs convenient for work on the fabric. When necessary to roll up a finished portion of the fabric in order to gain access to the unfinished portion, a side bar may be released by unlocking the legs of

the clamps holding the bar and moving them to an angle sufficient to lift the flanges 9 of jaws B above the bar, when the latter may be turned to roll up the fabric to the extent required and again clamped to the end bars in its new position. The flange 8 of jaw B being at right angles to the sides 2 of body portion A of the clamp, it is apparent that the angles of the frame formed by the clamps will be right angles.

To further secure the clamps against movement when clamped to the bars as described, screw 6, securing button 5, may be provided with a point extending through and above base 1, which will be driven into the bar by the pressure, and other similar projecting points may be provided at other places in the base 1 and plate 7 of jaw B.

Having thus fully described my invention, what I claim to be new, and desire to secure by Letters Patent, is—

1. In a clamp for frames, a body portion adapted to adjustably engage a bar of the frame a jaw pivoted to the body portion and adapted to engage a crossing bar, in combination with a standard pivoted to the body portion and linked to the jaw, adapted, when moved to a vertical position, to support the corner of the frame formed by the crossed bars, to move the jaw to compress and securely clamp the bars at their crossing between the body portion and the jaw.

2. A clamp for quilting-frames, comprising a body portion having a channel adapted to

longitudinally receive a bar of the frame and to adjustment thereon, a jaw pivoted thereto adapted to engage another bar crossing and resting on the first at right angles; a standard pivoted to the body portion of the clamp and adapted to support it, and with it a corner of the frame; and link-bars pivoted to the standard and to the jaw, adapted, when the standard is moved to a vertical position to support the frame, to move the jaw to compress and securely clamp the bars at their crossing between the body portion and the jaw.

3. A clamp for quilting-frames, comprising a body portion having a channel adapted to longitudinally receive a bar of the frame and to adjustment thereon, a jaw pivoted thereto adapted to engage another bar crossing and resting on the first at right angles; a standard pivoted to the body portion of the clamp and adapted to support it, and with it a corner of the frame; link-bars pivoted to the standard and to the jaw, adapted, when the standard is moved to a vertical position to support the frame, to move the jaw to compress and securely clamp the bars at their crossing between the body portion and the jaw; and means to lock the standard in a vertical position.

In witness whereof I have hereunto set my hand this 16th day of February, A. D. 1900.

NICHOLAS RUPP.

Witnesses:

CHAS. A. BOOKE,

GEO. A. WHITNEY, Jr.