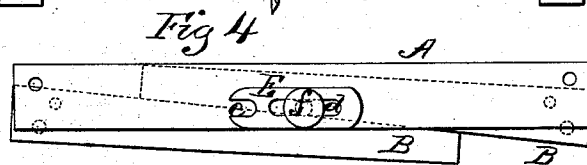
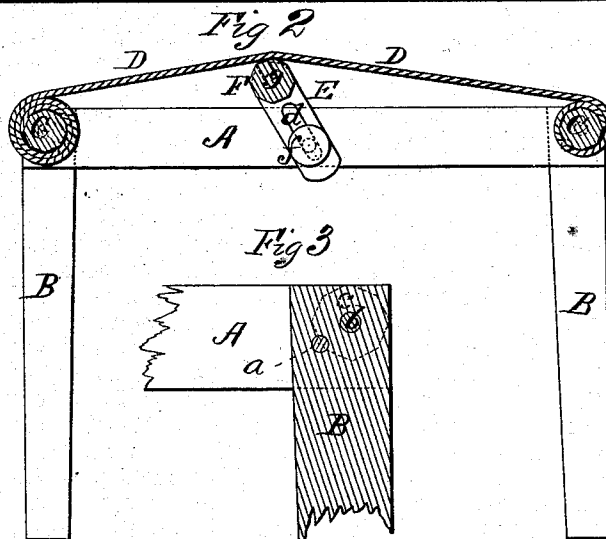
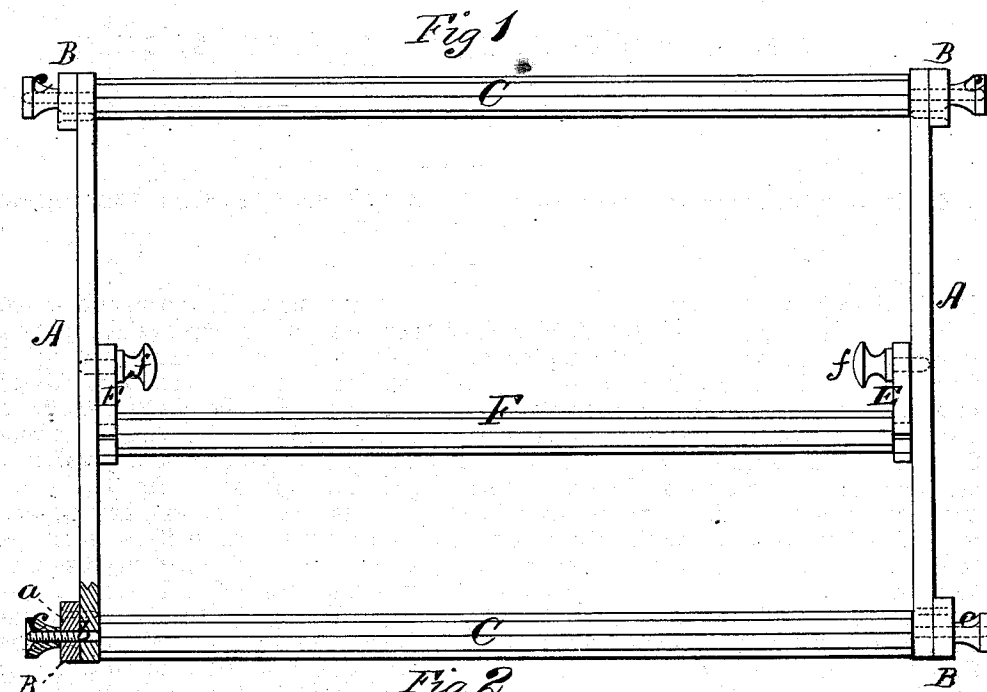


T. C. MARIS.
Quilting-Frame.

No. 159,429

Patented Feb. 2, 1875.



WITNESSES
Villette Anderson,
F. J. Massi

INVENTOR
Thomas C. Maris
Chipman & Forman & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

THOMAS C. MARIS, OF MARIETTA, OHIO.

IMPROVEMENT IN QUILTING-FRAMES.

Specification forming part of Letters Patent No. **159,429**, dated February 2, 1875; application filed December 19, 1874.

To all whom it may concern:

Be it known that I, THOMAS C. MARIS, of Marietta, in the county of Washington and State of Ohio, have invented a new and valuable Improvement in Quilting-Frames; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a plan view of my quilting-frame, and Fig. 2 is a vertical sectional view of the same. Fig. 3 is a sectional detail, and Fig. 4 a detail view.

This invention has relation to improvements in quilting-frames which are rectangular in form, and are raised above the ground on legs for the more convenient use of the operator; and the nature of the invention and improvement consists in combining with such a frame a tension-roller vertically adjustable by means of slotted arms and set-screws, whereby the work, as it becomes slack, may be evenly stretched and tightened, and its central part raised for the greater convenience of the operator. It also consists in the combination, with a quilting-frame having a vertically-adjustable tension bar or roller for the purpose above described, of a roller arranged at each side of the frame, which roller is adapted to be held rigid by a set-screw, or to be loosened for the purpose of winding up the completed part of a quilt, all as will be hereinafter more fully explained.

In the annexed drawings, A designates the end bars of my improved frame, which are supported upon legs B, and are connected with each other by means of laterally-arranged rollers C. Legs B are pivotally attached to end bars, A, by means of screws *a*; and rollers C are provided with screw-threaded spindles *b*, which pass through registering perforations in end bars, A, and legs B, and which receive upon their ends, projecting through the said bars and legs, a thumb-screw, *c*.

When these thumb-screws are set up, the end boards and legs are clamped against the ends of rollers C, holding them rigidly against rotation; but when they are loosened, and the rollers are relieved of the pressure of the end boards, they will be allowed to rotate freely, for the purpose of winding and unwinding a quilt, D. (Shown in Fig. 2.)

E designates an arm, having a slot, *d*, and in its upper extremity a notch, *e*. One of these arms is clamped against the inner flat surface of each of end bars, A, by means of a thumb-screw, *f*, the screw-threaded end of which passes through slot *d* into the said end bars, and notches *e* afford bearings for the journals *g* of a tension-roller, F.

By means of slotted arms E, roller F is made adjustable in a vertical plane, so that when it becomes necessary to increase the tension of a quilt arranged upon rollers C, as shown in Fig. 2, the desired result may be obtained by loosening set-screws *f*, and thrusting arms E forcibly upward, either simultaneously or in turn, and, when the desired tension has been produced, clamping them rigidly against end bars, A, by setting up the said thumb-screws.

When the frame is not in use, it may be taken apart and stowed away in a small compass in the following manner, to wit: I remove thumb-screws *c* from the ends of spindles *b* of rollers C. End boards A are then detached from the said rollers, and the sustaining-legs B are caused to vibrate inward toward each other, into the position shown in Fig. 3.

Thumb-screws *c* are then replaced upon spindles *b*, so that they may not be misplaced or lost, and all the separate parts may be bound together and placed out of the way.

In practice, I propose to make rollers C and F of octagonal form, having found this construction most effective; but while preferring this shape, I do not propose to confine myself thereto.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a quilting-frame, of the tension-roller F, vertically adjustable

by means of slotted arms E and set-screws *f*, substantially as specified.

2. The combination, with a vertically-adjustable tension-roller, F, of the winding and unwinding rollers C, prevented from rotation by clamping set-screws *c*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

THOMAS C. MARIS.

Witnesses:

GEORGE E. UPHAM,
JOS. B. LOOMIS.