

(No Model.)

H. HOCHRENTNER.

FABRIC HOLDING FRAME FOR EMBROIDERING MACHINES.

No. 503,320.

Patented Aug. 15, 1893.

Fig. 1.

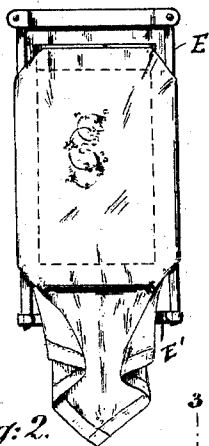


Fig. 5.

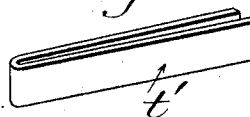


Fig. 3.

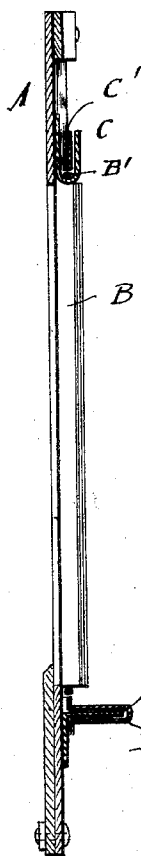
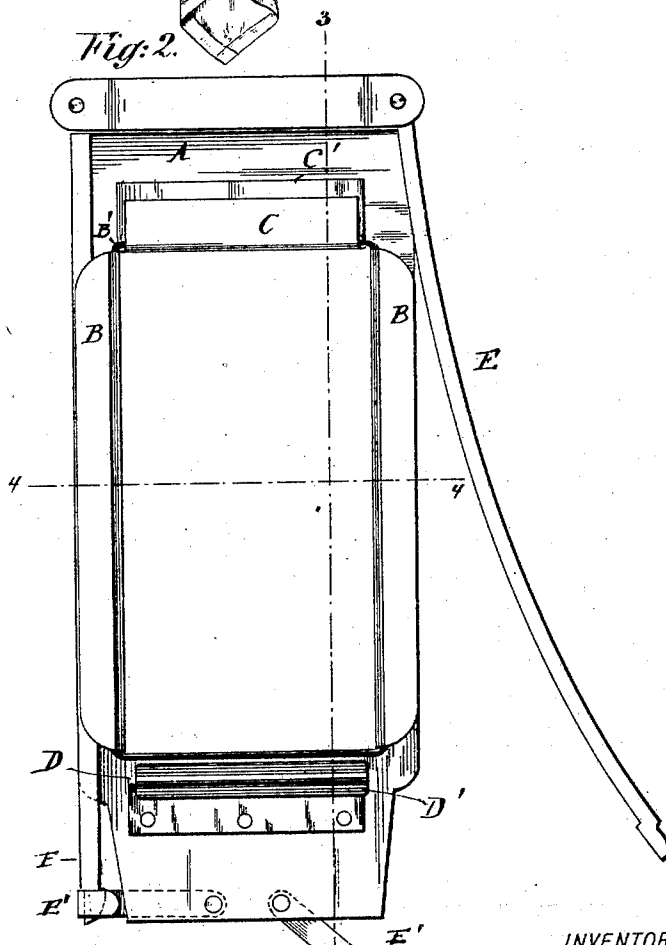


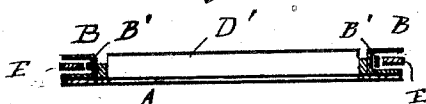
Fig. 2.



WITNESSES:

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Fig. 4.



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FABRIC-HOLDING FRAME FOR EMBROIDERING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 503,320, dated August 15, 1893.

Application filed December 28, 1892. Serial No. 456,584. (No model.)

To all whom it may concern:

Be it known that I, HENRY HOCHRENTENER, a citizen of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Fabric-Holding Frames for Embroidering-Machines, of which the following is a specification.

This invention relates to an improved fabric-holding frame for embroidering-machines, by which fabrics are embroidered, such as handkerchiefs, neckerchiefs and the like, which fabrics can be quickly and conveniently stretched and held in position and the frames can be readily inserted into a tambour-frame of the embroidering-machine, so that the fabrics can be embroidered by the same; and the invention consists of a fabric-holding frame for embroidering-machines which comprises an open main-frame, U-shaped holders at both sides and tops of said main-frame, a clamp at the upper end of the same, an elastic packing extending around the U-shaped holders and spring-bars that are pivoted to the upper end of the main-frame and retained by locking-devices at the lower end of the same, so as to hold the sides of the fabric firmly in the side keepers, as will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 represents a front elevation of my improved fabric-holding frame for embroidering-machines, showing the fabric stretched thereon and ready for being embroidered on the machine. Fig. 2 is a front-view of my improved fabric-holding frame, drawn on a larger scale, one pivoted spring-bar being shown in locked position, while the other spring-bar is shown as released from the locking device. Fig. 3 is a vertical transverse section on line 3 3, Fig. 2, and Fig. 4 is a horizontal section on the line 4 4, Fig. 2. Fig. 5 is a detail perspective view of one of the spring clamps.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents an open main-frame of my improved fabric-holding frame for embroidering-machines, which is provided at both sides with U-shaped keepers B, in which is placed an elastic packing B', said packing being preferably made of a

band of rubber or other elastic material which extends across the main-frame at the upper and lower ends of the keepers B. A transverse keeper C also of U-shape cross-section is arranged at the upper end of the main-frame between the side-keepers and provided with a detachable spring-clamp C' which is also applied to the upper corner of the fabric to be embroidered, said upper corner being inserted with the clamp into the keeper, so as to be firmly retained in the same.

At the lower end of the main-frame A is arranged a transverse flange D, on which is placed the U-shaped clamp D', which holds the lower part of the fabric in position. At the upper corners of the main-frame are pivoted two spring bars E that are locked at their lower ends to pivoted latches E' which engage the lower recessed ends of the spring bars, said latches E having hook-shaped ends for engaging the said lower recessed ends of the spring-bars. The side portions of the fabric to be embroidered are held by the spring-bars in the U-shaped keepers B B at the side of the main-frame, said spring-bars pressing the fabric firmly into the keepers and serving to stretch the fabric in lateral direction. The pressure of the spring-bars in connection with the elastic packing in the side-keepers B B produces the reliable holding and clamping of the side-portions of the fabric to be embroidered.

The stretching of the fabric to be embroidered on the fabric-holding frame is accomplished as follows: The upper end is first clamped to the transverse keeper C at the upper part of the main-frame. The side-portions are next clamped into the side-keepers B by the spring-bars E which latter are then locked in position by the latches E'. The lower portion of the fabric is then clamped to the transverse flange D by the spring-clamp D', it being first stretched before the clamp is applied, so that the fabric is held at the four sides in position for the embroidery needles. The fabric holding frame is then placed in position into the tambour-frame and a number of fabrics at the same time embroidered in the manner well known to practical embroiderers.

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

1. A fabric-holding frame for embroidering machines, composed of a main-frame having U-shaped keepers at its sides and top, a transverse clamping device at the lower part of said main-frame, an elastic packing located in the side and top keepers, spring-bars pivoted to the upper part of the main-frame and locking devices for retaining the lower ends of the spring-bars in position, substantially as set forth.
2. A fabric-holding frame for embroidering machines, consisting of an open main-frame, having U-shaped keepers at its sides and top a transverse flange and spring-clamp at the lower part of the main-frame, an elastic packing extending around the side and top keepers, spring-bars pivoted to the upper corners of the main-frame and latches pivoted to the lower end of the main-frame and adapted to lock the lower ends of the spring-bars, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

HENRY HOCHRENTENER.

Witnesses:

PAUL GOEPEL,

CHARLES SCHROEDER.