(No Model.)

T. D. EISNER.

FABRIC HOLDING DEVICE FOR EMBROIDERING MACHINES.

No. 604,741. Patented May 31, 1898.

Fig. 1,

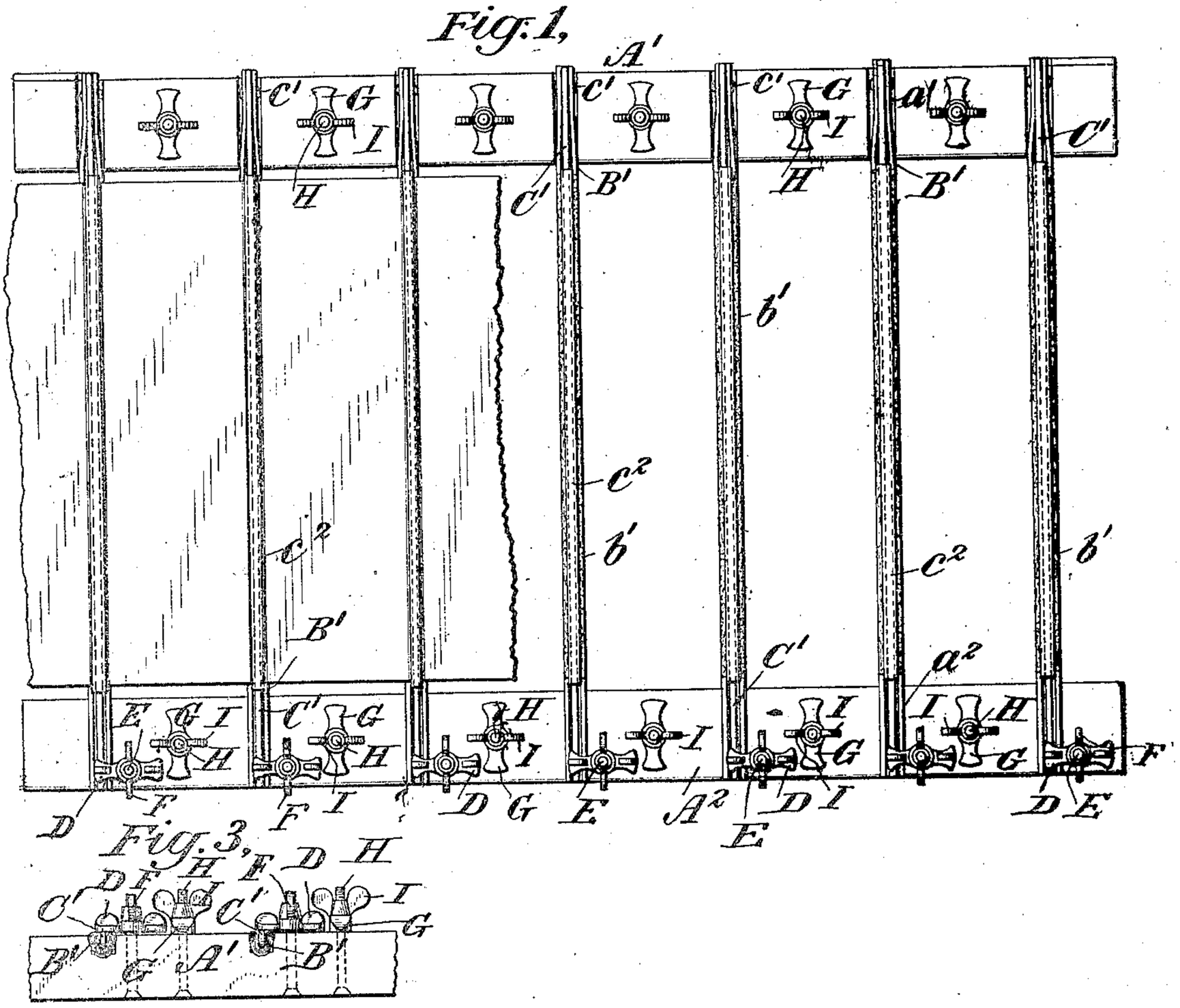


Fig. 3,

Fig. 2,

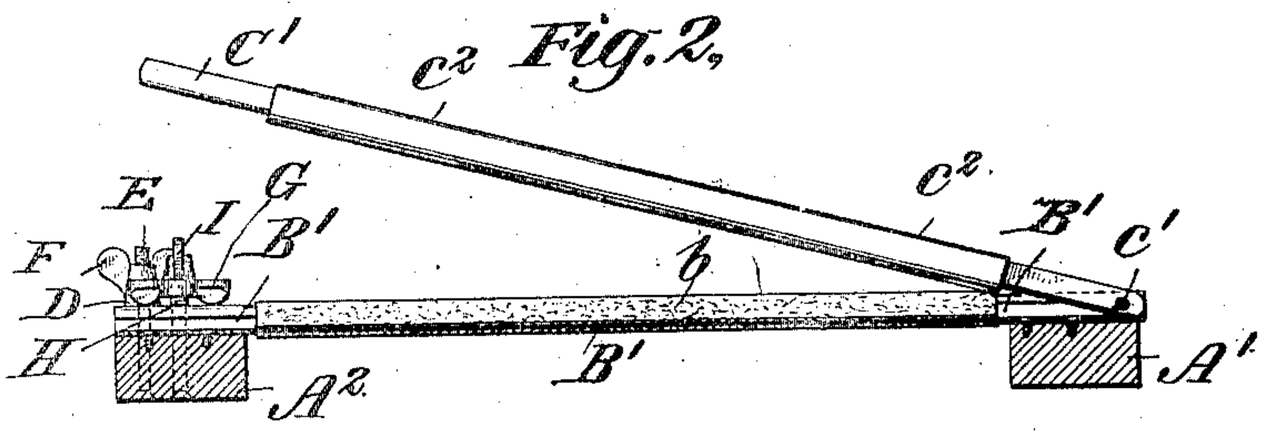
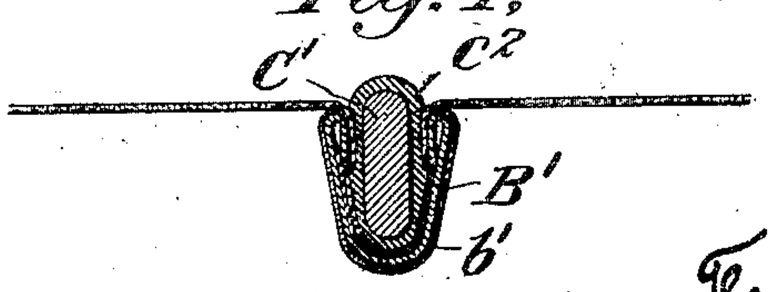


Fig. 4,



WITNESSES:

O. N. Haynes.

S. Harris.

INVENTOR

Theodor D. Eisner

BY Edwin A. Brown

His ATTORNEY

UNITED STATES PATENT OFFICE.

THEODOR D. EISNER, OF WEST NEW YORK, NEW JERSEY, ASSIGNOR, BY MESNE ASSIGNMENTS, TO FREDERICK BRAUN, OF NEW YORK, N. Y.

FABRIC-HOLDING DEVICE FOR EMBROIDERING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 604,741, dated May 31, 1898.

Application filed April 2, 1896. Serial No. 586,003. (No model.)

To all whom it may concern:

Be it known that I, THEODOR D. EISNER, of West New York, in the township of Union, county of Hudson, and State of New Jersey, have invented a certain new and useful Improvement in Fabric-Holding Devices for Embroidering-Machines, of which the following is a specification.

My improvement relates to frames for supporting fabrics to be embroidered in machines of the kind generally known as "Swiss-embroidery" machines, wherein there is a multiple arrangement of needles and concomitants for embroidering a number of duplicates of the same pattern simultaneously.

My improvement consists in a novel frame especially adapted for holding a number of comparatively small pieces of fabric upon which the pattern is to be embroidered.

I will describe a frame embodying my improvement, and then point out the novel features in the claims.

In the accompanying drawings, Figure 1 is a front view of a frame embodying my improvement. Fig. 2 is a transverse section of the same. Fig. 3 is bottom view of a portion of the same. Fig. 4 is a transverse section through one of a pair of holding devices.

Similar letters of reference designate corresponding parts in all the figures.

$A' A^2$ designate rails, which may be of wood or any other suitable material and are arranged parallel to each other. Extending transversely to them and from one to the other are a number of trough-like bars B'. As shown, the ends of these are embedded in notches $a' a^2$, formed in the faces of the rails $A' A^2$. They may be secured in these notches by means of nails or screws passing through them into the rails. These trough-like bars are covered with sleeves of flexible material, such as a woven fabric b', and these sleeves are made so loose that they may be made to extend into the troughs or hollows of the bars.

C' designates a number of tongue-like bars pivoted at one end to the trough-like bars by pivots c', and made of a size rendering them capable of entering the trough-like bars. They are covered with sleeves of soft rubber or like material c^2, so as to fit snugly within the trough-like bars. Their free ends are secured in place by means of buttons D, which are loosely mounted upon screws E, which are fitted with nuts F, whereby the buttons may be forced down upon the tongue-like bars to press them into the trough-like bars and secure them.

It will be seen that small pieces of fabric to be embroidered may be secured between adjacent trough-like bars and tongue-like bars. If fabrics of rectangular form, such as handkerchiefs, should be secured in this way, the corners may be extended over the rails and fastened to the latter by means of buttons G, loosely fitted to screws H, which are combined with nuts I for clamping the buttons upon the corners of the fabrics. These buttons, screws, and nuts G H I may be arranged upon the faces of both rails intermediate the trough-like bars and tongue-like bars.

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

1. In a frame for holding materials to be embroidered, the combination with longitudinal rails, of a number of trough-like bars, a number of tongue-like bars pivoted to the corresponding end of the trough-like bars, said trough and tongue like bars extending between the rails, screws arranged adjacent to the other ends of the trough-like bars and tongue-like bars, buttons fitted loosely to said screws and capable of being swung over the latter to hold them within the trough-like bars, and nuts applied to the screws, for forcing the buttons in such direction as to cause the tongue-like bars to clamp within the trough-like bars, substantially as specified.

2. In a fabric-holding device for embroidering-machines, the combination with longitudinal rails, of a number of pairs of clamping-bars extending between the rails and clamping devices upon the rails intermediate the clamping-bars, each comprising a screw, a button fitted loosely upon the screw, and a nut likewise upon the screw and freely movable longitudinally thereon and adapted to force the button into contact with the rail, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THEODOR D. EISNER.

Witnesses:

DAVID C. SELTMAN,

WALTER A. PAULING.