

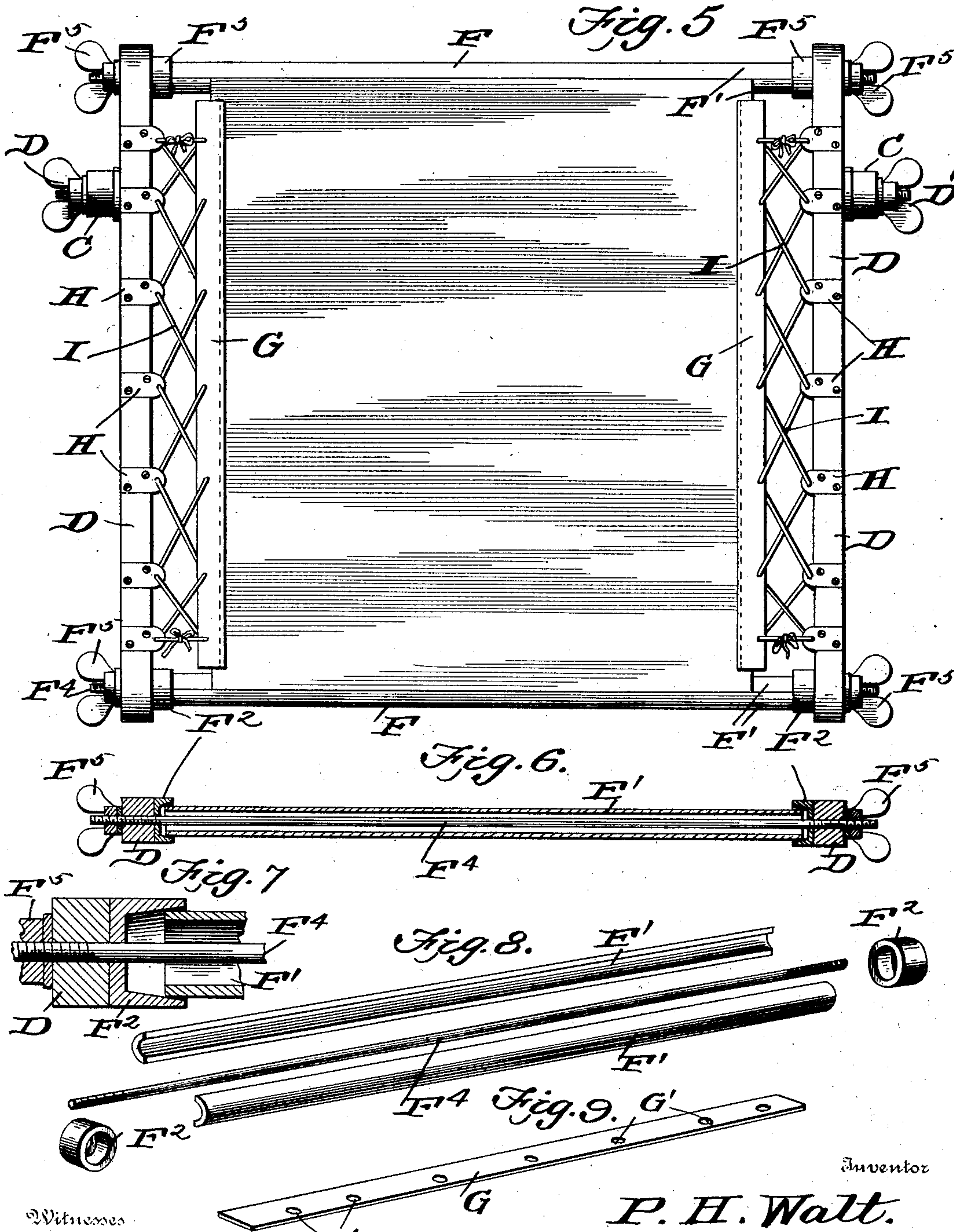
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PATENTED SEPT. 1, 1903.

P. H. WALT.
EMBROIDERY FRAME.
APPLICATION FILED JAN. 5, 1903.

NO MODEL.

2 SHEETS—SHEET 2.



Witnesses
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UNITED STATES PATENT OFFICE.

PHILIP H. WALT, OF PHILADELPHIA, PENNSYLVANIA.

EMBROIDERY-FRAME.

SPECIFICATION forming part of Letters Patent No. 737,804, dated September 1, 1903.

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To all whom it may concern:

Be it known that I, PHILIP H. WALT, a citizen of the United States, residing in the city of Philadelphia and State of Pennsylvania, have invented a new and useful Embroidery-Frame, of which the following is a specification.

This invention is an improved construction of quilting-frame, the object being to provide a simple device by means of which a fabric can be held while being embroidered.

Another object is to provide a device which can be quickly and easily adjusted so as to hold the frame at any desired angle or inclination.

With these objects in view the invention consists in the novel features of construction, combination, and arrangement, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a perspective view of an embroidery-frame constructed in accordance with my invention. Fig. 2 is a detail view illustrating the manner of supporting the frame between the standards. Fig. 3 is a view illustrating the special construction of supporting-bracket. Fig. 4 is a detail sectional view taken on the line 4-4 of Fig. 2. Fig. 5 is a plan view of the frame proper. Fig. 6 is a sectional view taken through one of the winding-rollers at the end of the frame. Fig. 7 is an enlarged detail sectional view taken through one end of the roller and that portion of the frame adjacent thereto. Fig. 8 is a view illustrating the sections of the roller. Fig. 9 is a perspective view showing the canvas strip attached to the fabric to be embroidered.

In carrying out my invention I employ the supporting-legs A, which are pivotally connected to each other and also to a bottom cross-bar B, and pivotally mounted upon the cross-bar B are the standards C, supporting the frame proper at their upper ends, the side bars D of the frame being pivotally connected at D' to the standards C, and in order to provide a suitable support for the said side members I provide the angle-brackets E, having dovetailed grooves E', adapted to receive the dovetailed tongues E², carried by the plates E³, secured upon the front face of the standard C adjacent to the pivotal point D'. The side bars D rest upon the brackets E, and thereby

relieve the pivotal connection of all strain, and whenever it is desired to adjust the frame to the proper angle or inclination such adjustment is effected by moving the standards C backward and forward upon the cross-bar B as a pivot. The side bars D have the rollers F arranged at each end and to which the fabric to be embroidered is secured, and the fabric is also rolled upon the said rollers prior to and after the embroidery operations have been accomplished. These rollers are of special construction, so that the fabric can be quickly and easily attached to or detached therefrom. By referring to Figs. 6, 7, and 8 it will be noted that each roller is made in two sections F', which when fitted together constitute a complete cylindrical roller, the ends of the sections fitting into cap-pieces F², the bore of which is made tapering, as shown in Fig. 7, so that the more tightly the cap-pieces are fastened upon the roller-sections the tighter the said sections are bound together, and in order to securely connect the sections and cap-piece I employ a rod F⁴, which rests within the roller F, passing through the cap-piece at each end through the side bars D, and has a thumb-nut F⁵ screwed upon the threaded end, thereby securely binding the parts together and also connecting the roller and frame. Before clamping the parts of the roller together the ends of the fabric to be embroidered are placed between the sections and are firmly held when the sections are bound together. A canvas strip G, having a series of perforations G', is stitched to the side edges of the fabric to be embroidered, and the side bars D are provided with inwardly-projecting perforated plates H and lace strings I, passed alternately through the perforated strip G, and the perforated plates H serve to securely connect the fabric at the side edges to the side bars of the frame.

It will thus be seen that I provide an embroidery-frame by means of which the fabric to be embroidered can be quickly and easily stretched, and it will also be noted that the said frame can be quickly and easily adjusted to any desired angle or inclination, and it will also be noted that the work can be quickly and easily attached to or detached from the frame and can be rolled or unrolled upon either roller.

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

1. In an embroidery-frame, the combination
5 with the base, of the standards adjustably connected thereto, the frame proper connected to the upper ends of the standard, the said frame comprising the side bars, and sectional rollers, the perforated ears arranged upon the
10 side bars, means for holding said rollers together, plates having dovetailed ribs, secured to the standard, and the angle-brackets having dovetailed grooves engaging the ribs of the plates, all substantially as and for the
15 purpose specified.

2. In an embroidery-frame, the combination with the side bars, of the rollers at each end,

each roller comprising two sections, the cap-pieces, the rod threaded at each end and passing through roller-sections and cap-pieces, and
20 the nuts arranged upon the threaded ends, as specified.

3. In an embroidery-frame, the combination with the side bars, of the rollers arranged at each end, said rollers being made in two sec-
25 tions, the cap-pieces having tapering bores, the rod having threaded ends, and the wing-nuts arranged upon the said threaded ends, substantially as specified.

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