

(No Model.)

J. ANDEREGG.

FABRIC HOLDING FRAME FOR EMBROIDERING MACHINES.

No. 464,668.

Patented Dec. 8, 1891.

Fig. 1.

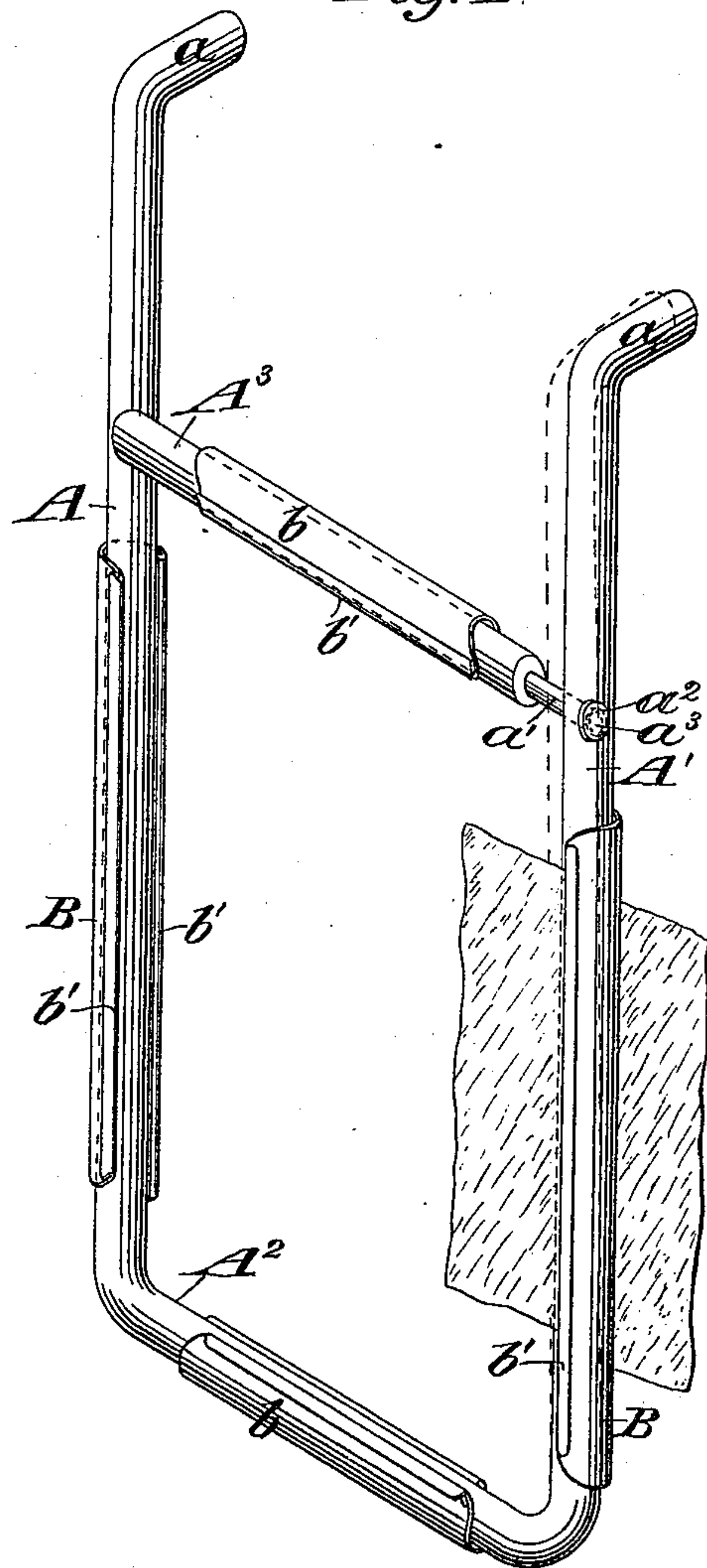


Fig. 2.



Witnesses:

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JOSEPH ANDEREGG, OF NEW YORK, N. Y.

FABRIC-HOLDING FRAME FOR EMBROIDERING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 464,668, dated December 8, 1891.

Application filed May 1, 1891. Serial No. 391,221. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH ANDEREGG, of the city and county of New York, in the State of New York, have invented a new and useful Improvement in Fabric-Holders for Embroidery, of which the following is a specification.

My invention relates to an improvement in fabric-holders for embroidery in which provision is made for stretching the portion of the fabric to be embroidered across a frame, so as to hold it in a firm and convenient position to be worked upon by the embroidering mechanism.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 represents the holder in perspective, and Fig. 2 represents a transverse section.

The sides and ends of the frame are conveniently formed of a rod of some suitable resilient material—metal, for example—bent in U-shaped form, and provided at the upper ends of its sides with laterally-turned ends for the purpose of supporting the frame in suitable sockets in connection with the embroidery-machine. The top of the frame is formed by a cross-bar extending between the branches.

The sides of the frame are represented in the accompanying drawings by $A A'$, the bottom by A^2 , and the top by A^3 . The laterally-turned portions at the upper ends of the sides are represented by a . The top or cross-bar A^3 is preferably fixed in one of the sides, in the present instance A , and has a reduced portion a' at the opposite end adapted to extend loosely through a perforation a^2 , formed in the side A' . The reduced portion a' is provided on the outside of the side A' of the frame with an enlarged head a^3 to prevent the side A' from springing beyond the end of the cross-bar or top, and the reduced portion a' extends to such a distance from the head a^3 as to admit of the side A' being sprung inwardly a short distance toward the side A .

The sides and top and bottom of the frame are each provided with a spring-clamp. Those at the sides are denoted by B , and those at the top and bottom by b . These several

clamps are of the same general structure, the only difference between them being that those at the sides are made longer than those at the top and bottom. They are of a general U-shaped form in cross-section, their free edges b' being rolled back to form a smooth rounded edge for engagement with the fabric, and said free edges are constructed so as to rest normally at a lesser distance apart than the diameter of the sides of the frame. The clamps are preferably constructed of thin sheet metal having more or less resiliency, and are intended when placed upon the sides of the frame to snugly embrace the opposite sides thereof.

The material is stretched upon the frame by spreading it across its face and turning a partial fold over one of the sides and then springing one of the clamps into position, thereby binding it firmly to the side. In the same manner it is attached at the top and bottom and finally at the side A' by springing the said side inwardly toward the side A , then placing the clamp in position, and then allowing the side A' to spring back. This action will tend to take out any wrinkles that may have formed, and will present the face of the fabric in a smooth firm position within the margin of the frame.

The frame as thus constructed is very simple and inexpensive and may be manipulated with great ease, while at the same time it does its work effectively.

The rounded form of the sides, top, and bottom of the frame prevents creasing the fabric, as is the case where it is drawn over a sharp edge.

What I claim is—

The fabric-holder comprising a U-shaped frame one of the sides of which has a yielding movement toward the other under spring tension, a cross-bar forming the top of the frame, and means serving to limit the spread of the sides, and spring-clamps adapted to tightly embrace the opposite sides of the top, bottom, and sides of the frame to hold the fabric thereon, substantially as set forth.

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Witnesses:

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