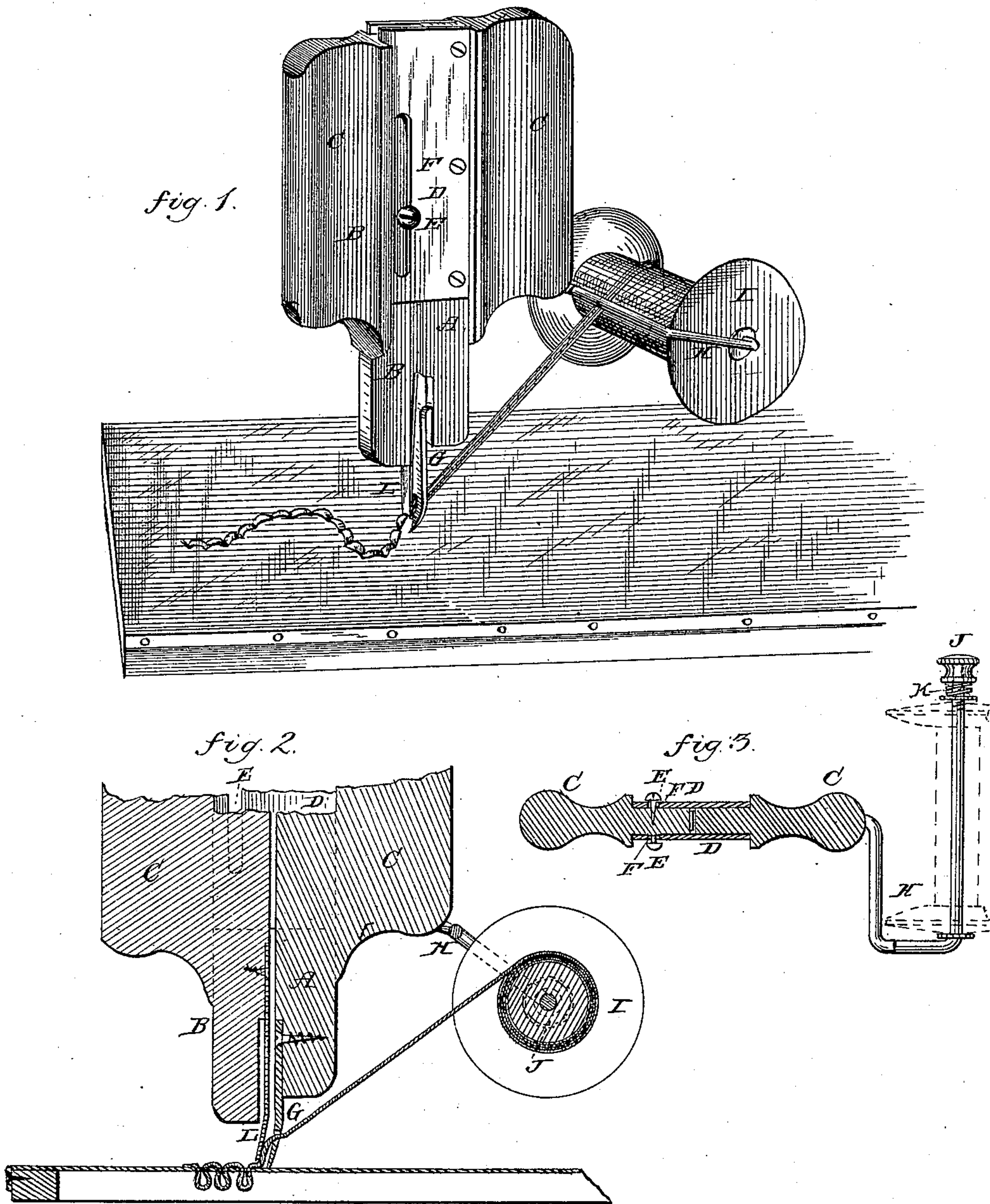


(Model.)

E. ROSS.
EMBROIDERY MACHINE.

No. 251,381.

Patented Dec. 27, 1881.



WITNESSES

Wm. L. Dieterich
Geo. Pinkenburg

INVENTOR

Eugene Ross
by *Chas. H. Ross & Co.* Attorneys

UNITED STATES PATENT OFFICE.

EBENEZER ROSS, OF WAUSEON, OHIO.

EMBROIDERY-MACHINE.

SPECIFICATION forming part of Letters Patent No. 251,381, dated December 27, 1881.

Application filed October 20, 1881. (Model.)

To all whom it may concern:

Be it known that I, EBENEZER ROSS, of Wauseon, in the county of Fulton and State of Ohio, have invented certain new and useful Improvements in Machines for Embroidering and Ornamenting Rugs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view. Fig. 2 is a vertical sectional view, and Fig. 3 is a horizontal sectional view.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to an improved machine or apparatus for embroidering or ornamenting rugs, mats, tidies, and the like; and it consists in the construction and arrangement of parts which will be hereinafter fully described, and particularly pointed out in the claims.

Referring to the drawings hereto annexed, A B represent a pair of blocks or slides, formed or provided with suitable handles, C C, by which they may be manipulated, as will be hereinafter described. One of said blocks, A, is provided with laterally-extending plates or flanges D D, between which the block B is secured by means of studs or set-screws E, working in vertical slots F in said flanges.

To the lower end of the block A, adjoining block B, is secured a needle, G, constructed essentially like an ordinary sewing-machine needle, with the exception that I prefer to make the shank more nearly flat than round, as shown in the drawings. Block A, or the handle of said block, is also provided with a suitable bracket, H, carrying the spool I upon which the embroidery-yarn is wound, said spool being held in position upon the bracket by a thumb-nut, J, between which and the spool a coiled spring, K, is interposed, in order to prevent the spool from revolving too rapidly, thus causing the yarn to become tangled.

To the lower end of block B, adjoining and bearing against the needle G, is secured a flat spring, L.

In operation the canvas or other material to be ornamented should be stretched upon a suitable frame, as represented in Figs. 1 and 2 of the drawings. The handles C C of the

machine are then grasped with both hands and the block A lowered, so as to drive the needle, which has of course been previously threaded, through the material. Block B is now lowered, so as to cause the spring K to press the end of the yarn against the material and hold it securely while the block A is being raised so as to withdraw the needle previous to making the next stitch. The machine is now moved a short distance, according to the length it may be desired to make the stitch, and the operation repeated. In this manner the yarn is looped under the material and a neat and unbroken stitch formed upon the upper side of the latter, and any ornamental pattern may be embroidered quickly and with little or no practice. The machine is simple, inexpensive, and easily operated.

I am aware that elastic or yielding jaws for claspings the sides of the penetrating instrument and holding the loop are old, as shown in the carpet-lining machine patented to Luther, August 30, 1881. This, therefore, I disclaim; but I am not aware that a single flat spring secured to a sliding block and pressing constantly against the side of the needle has been heretofore used for forming the loop by preventing its withdrawal from the fabric in the act of raising the needle or penetrating-instrument. Hence,

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The blocks A and B, adapted to slide against each other, as herein shown, and provided respectively with the needle G and spring L, substantially as and for the purpose shown and specified.

2. The herein-described needle G, having a flattened shank to engage the flat spring L, as and for the purpose set forth.

3. As an improvement in embroidery-machines, the block A, having needle G, spool-bracket H, and slotted flanges D, in combination with the sliding block B, having spring L, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

EBENEZER ROSS.

Witnesses:

M. H. HAYES,

JOSEPH L. PARKS.