C. L. GOETHALS.

HEMMERS FOR SEWING-MACHINES.

No. 187,003 Patented Feb. 6, 1877.

Fig. 1.

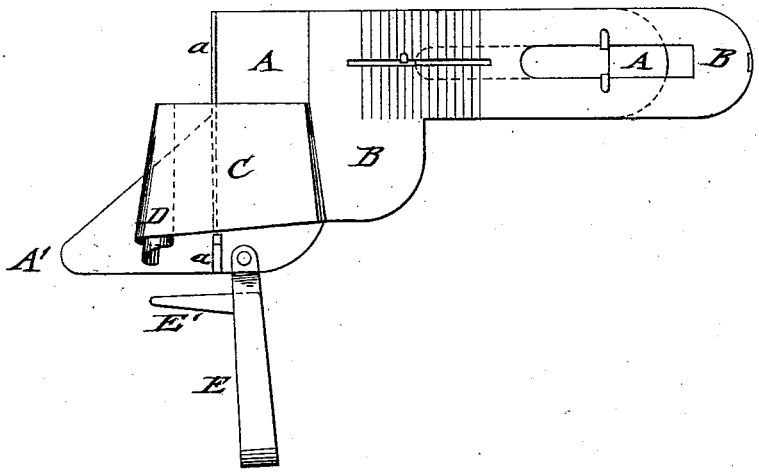
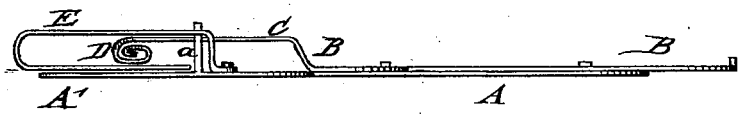


Fig. 2.



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CHARLES L. GOETHALS, OF LOS ANGELES, CALIFORNIA.

IMPROVEMENT IN HEMMERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **187,003**, dated February 6, 1877; application filed October 30, 1876.

To all whom it may concern:

Be it known that I, CHARLES L. GOETHALS, of Los Angeles, in the county of Los Angeles and State of California, have invented a new and Improved Hemmer, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a top view of my improved hemmer, and Fig. 2 an end view of the same.

Similar letters of reference indicate corresponding parts.

The invention has for its object to provide an improved adjustable hemmer for sewing-machines by which folds of different widths may be hemmed and the fabric fed in regular manner to the needle after being started; and the invention consists of a base part, with sliding folding part, that folds and feeds the fabric to the needle, and a pivoted guide-piece, that regulates the folding of the fabric.

In the drawing, A represents a base-plate, that has a guide-slot for being adjusted on the sewing-machine by a clamp-screw, in the customary manner. The base-plate A has a raised end flange, *a*, along which the folded edge of the fabric is guided. A triangular extension, A′, of the base-plate is arranged outside of flange *a*, and serves to introduce the fabric to be hemmed to the folding and guiding devices. A slide-piece, B, is guided in suitable manner along the base part A, and adjusted thereon by means of a graduation and index or marker point to any required width of fold. A folding piece, C, extends from the slide-piece B over the dividing guide-flange *a*, and is twisted at the outer end into a coiled and tapering part, D, that is adjusted nearer to or farther from the flange *a*, according to the width of the fold to be hemmed. A guide-piece, E, is pivoted to the base-plate A, and swung laterally across the entrance part of the folding-piece C, being first bent upward to a height slightly above the folder, and to a width somewhat larger than the greatest width of fold obtained by the folder. It is then bent back to bear by its lower part on the extension A′, and provided at the end adjoining flange *a* with an arm, E′, at right angles to the main part of the guide, which arm assumes a position parallel to the flange when placed across the opening of the folder.

The fabric is introduced between the extension A′ and guide E, folded over the rectangular arm of the latter, and then placed into the twisted hem forming part D, to be then fed forward to the needle. When properly started the fabric will be fed in regular manner at the exact width of fold to the needle, and be hemmed at the end of the folded part.

For making the smallest hems, the guide is turned out of its place to the side, as the guide-flange is then sufficient for laying the fabric over for hemming.

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

An adjustable hemmer, composed of base-plate A, having raised flange *a* and extension A′, of slide-piece B, with folder C and coiled guide D, and of pivoted guide-piece E, with rectangular arm E′, substantially as shown and described.

CHARLES L. GOETHALS.

Witnesses:

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