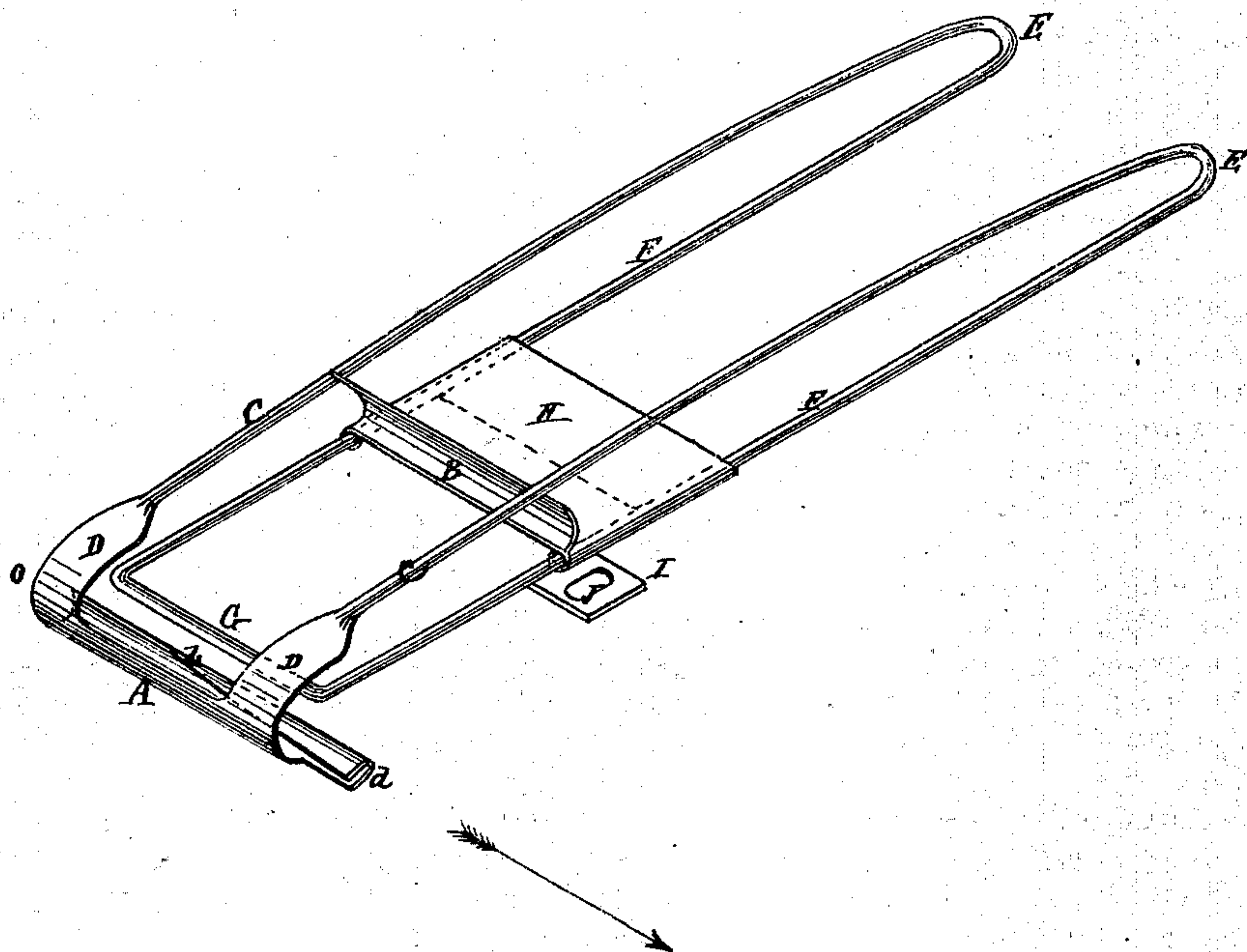


W. L. APTHORP.

Hemmers for Sewing-Machines.

No. 144,649.

Patented Nov. 18, 1873.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM LEE APTHORP, OF TALLAHASSEE, FLORIDA.

IMPROVEMENT IN HEMMERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **144,649**, dated November 18, 1873; application filed September 27, 1873.

To all whom it may concern:

Be it known that I, WILLIAM LEE APTHORP, of Tallahassee, in the county of Leon and State of Florida, have invented a new and Improved Adjustable Hemmer, of which the following is a specification:

My invention consists of a hem-turning scroll for the edge of the cloth, permanently attached to the ends of a piece of wire, which constitutes the frame by which said scroll is supported and attached to the machine, and on which a scroll-guide for the fold of the cloth is fixed so as to slide toward and from the edge-turning scroll to suit the width of hem required, the whole comprising a very simple, cheap, and efficient attachment for making hems of any required width.

The drawing is a perspective view of my improved hemmer adapted for use on the Wheeler and Wilson machine.

A represents the edge-turning scroll, which is a thin piece of sheet metal bent into semi-circular form, or thereabout, at the end *a*, at which the cloth enters, and having the edge *b* gradually extended spirally toward a complete circle, but tapered and flattened so that at the end *d*, where the cloth is delivered to the needle, it is contracted in such manner that it turns the edge of the cloth neatly under, and lays it flat as it goes to the needle and presser, thus making the inner edge of the hem. The other edge of the hem, consisting of the fold of the cloth, is made by the folding scroll and guide B, which consists of a straight concave plate, arranged to front the scroll A. The

scroll A is attached to the ends of wires C by the ears D on its upper edge. These wires are bent downward at E, or connected to others, F, extending back under C to the scroll A, or nearly to it, and connected together by the piece G. The wires C are arranged about as high above wires F as the height of the scrolls A B. The latter scroll is connected with a flat plate, H, fitted on wires F, so as to slide toward and from scroll B to regulate the width of the hem. A little plate, I, with a slot, J, is attached to one of the wires F for securing the attachment to the cloth-plate of the machine by a thumb-screw. The slot allows of shifting the scroll relatively to the needle to have the hem sewed more or less distant from the edge, as may be required. The scroll B, with its plate H, is shifted toward and from scroll A to adjust it to the width of hem required. The wire frame C F G is constructed of one piece.

This hemmer can be adapted for other machines by slight modifications of the attaching-plate.

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

The scroll A, formed as described, adjustable scroll B, the frame C F G, and attaching-plate I, combined, constructed, and arranged substantially as specified.

WILLIAM LEE APTHORP.

Witnesses:

WM. T. WEBSTER,
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