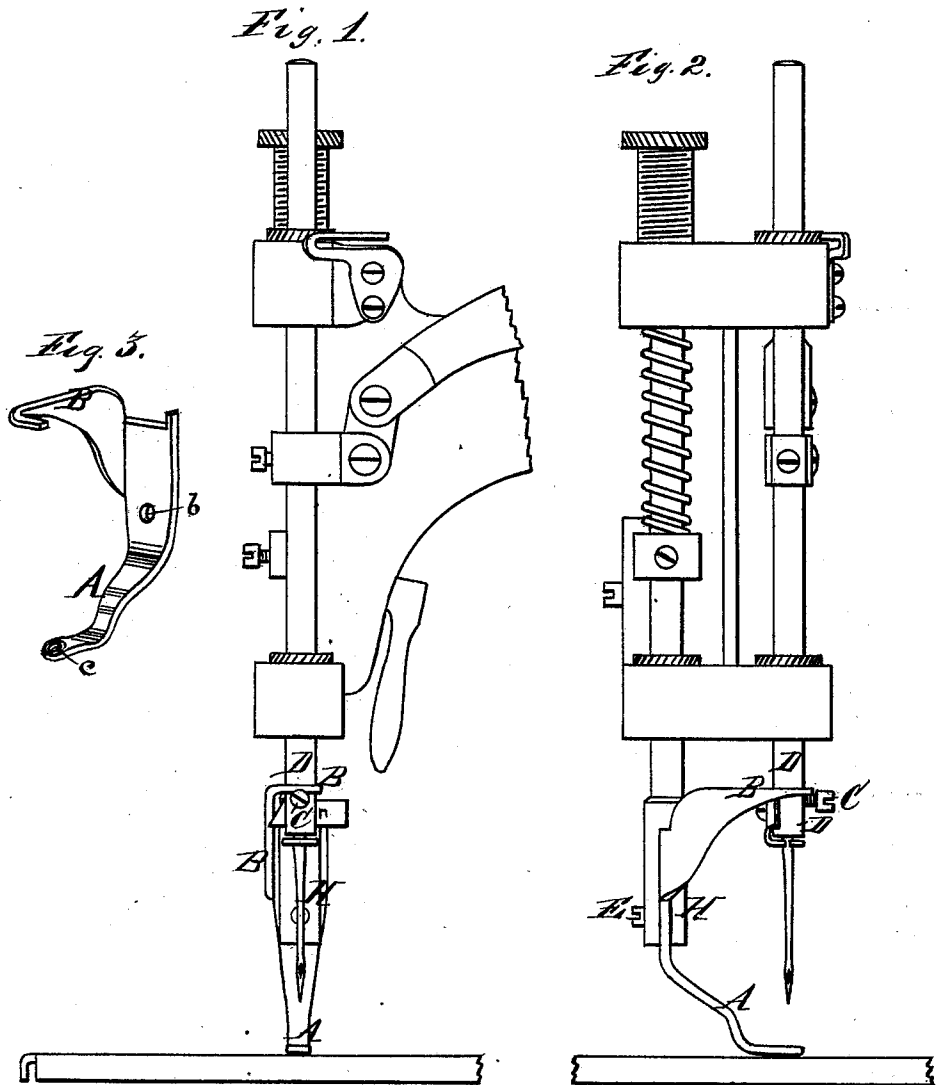


J. B. UNDERWOOD.
 Darning Attachment for Sewing-Machines.
 No. 214,854. Patented April 29, 1879.



Witnesses
 John W. Ripley.
 W. L. Bennett.

Inventor.
 Joseph B. Underwood
 by G. J. Gordon, his Atty.

UNITED STATES PATENT OFFICE.

JOSEPH B. UNDERWOOD, OF FAYETTEVILLE, N. C., ASSIGNOR TO WHEELER AND WILSON MANUFACTURING COMPANY, OF BRIDGEPORT, CONN.

IMPROVEMENT IN DARNING ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **214,854**, dated April 29, 1879; application filed November 26, 1878.

To all whom it may concern:

Be it known that I, JOSEPH B. UNDERWOOD, of Fayetteville, county of Cumberland and State of North Carolina, have invented a new and useful Improvement in Darning Attachment for Sewing-Machines, which is fully set forth in the following specification and illustrated in the accompanying drawings, in which—

Figure 1 is a side view of a portion of a sewing-machine with my attachment in operative position. Fig. 2 is a front view of the same. Fig. 3 is a perspective view of my device detached from the sewing-machine.

This invention relates to the attachment, to the presser-bar of a sewing-machine, of a device shaped to facilitate darning in place of the ordinary presser-foot, said device being provided with an arm, so extended that it shall raise the presser-foot when the needle is raised by contact with some part of the needle-bar.

A represents the darning-foot; B, the extended arm or projection; C, the needle-securing screw on the needle-bar; D, the needle-

bar; E, the screw, to secure the attachment to the presser-bar H; *b*, the hole, through which screw E passes; *c*, the hole, through which the needle passes.

The operation is as follows: The darning-foot A having been attached to the presser-bar H and secured in position by screw E, which passes through hole *b*, when, in the action of the machine, the needle-bar D rises, the screw E strikes the arms B, and thereby lifts the foot A off the material while the needle is out of the same, leaving the material free to be moved by hand the desired space required by the projected darn in any direction.

What I claim, and desire to secure by Letters Patent, is—

The darning attachment herein described, consisting of a plate, A, bent as shown, and provided with hooked arm B, and perforations *b* and *c*, as and for the purposes set forth.

JOSEPH B. UNDERWOOD.

Witnesses:

S. J. GORDON,
JOHN W. RIPLEY.