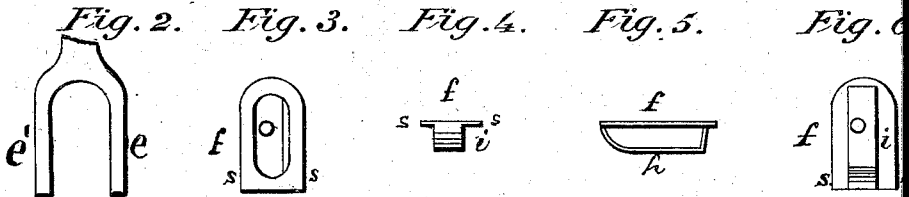
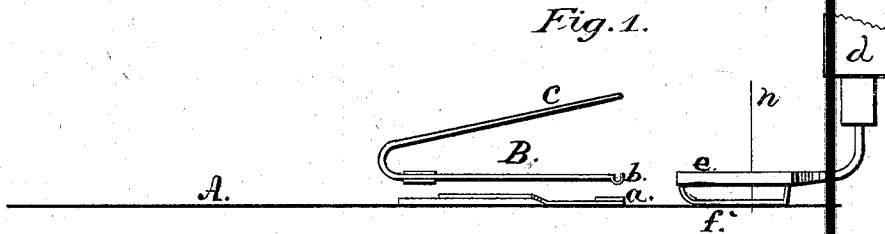


H. C. GOODRICH.

Presser-Feet for Sewing-Machines.

No. 138,637.

Patented May 6, 1873.



WITNESSES:

E. A. West
Overland

Harry C. Goodrich
INVENTOR.

UNITED STATES PATENT OFFICE.

HARRY C. GOODRICH, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN PRESSER-FEET FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **138,637**, dated May 6, 1873; application filed July 26, 1872.

To all whom it may concern:

Be it known that I, HARRY C. GOODRICH, of the city of Chicago, in the county of Cook and State of Illinois, have invented a certain new, useful, and Improved Presser-Foot for Sewing-Machines, of which the following is a full description, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a side elevation; Fig. 2, a plan of the prongs, which receive the presser-foot proper; Fig. 3, a top view; Fig. 4, an end view; Fig. 5, a side view; Fig. 6, a bottom view of my foot.

This foot is designed to be used with a Wheeler & Wilson sewing-machine. Its object is to enable the operator to use my tuck-marker in making very narrow tucks; this could not heretofore be successfully done, because the width of the presser-foot was such as to render it impossible to place the marking devices near enough to the needle to make the mark for a narrow tuck. It is desirable to make a straight line that the marking devices be placed opposite to the needle, and at right angles with the line of stitching; they may be placed just forward of the presser-foot, but at this point the cloth is liable to be moved either to the right or left, so that the line made by the marking device will not be straight. In the Wheeler & Wilson machine a removable presser-foot is used.

In the drawing, A represents the bed-plate of a machine; B, an end view of my notch and blade tuck-marker, *a* being the blade, *b* the notch, operated by a bar which comes in contact with the spring *c*. This tuck-marker is not represented in the proper position for use. *d* is the presser-foot bar, to which, by a

suitable shank, are connected the prongs *e e'*, into which the presser-foot slides. These parts are made in the usual manner. *f* is a removable foot, which I make considerably thicker than the foot heretofore in use, and also cut away upon one side, (see *i*, Figs. 4 and 6,) so as to allow the parts *a b* of the tuck-marker to pass under the prong *e*, bringing them near to the needle *n*, in which position a straight mark can be made for a very narrow tuck. The foot *f* has a hole through which the needle passes.

I make this foot open on the top, as shown in Fig. 3, or in skeleton form, as shown in Fig. 5, enabling the operator to observe the stitching near the needle much better than with the glass foot, which refracts the light.

When the tuck-marker is in the proper position for making narrow tucks, the parts *a b* will be under the prong *e* and opposite the needle *n*; it is possible to place them in this position in consequence of the peculiar form and construction of my presser-foot. The parts *s s* of the foot are made to fit into grooves on the inside of the prongs *e e'*, so that the foot can be easily inserted and removed; but this feature is not new; nor do I claim, broadly, a side recess to permit a nearer approach of sewing-machine attachments to the needle.

What I claim as new is as follows:

As a new article of manufacture, the hollow metallic presser-foot attachment herein described, constructed substantially as and for the purpose specified.

HARRY C. GOODRICH.

Witnesses:

E. A. WEST,
O. W. BOND.