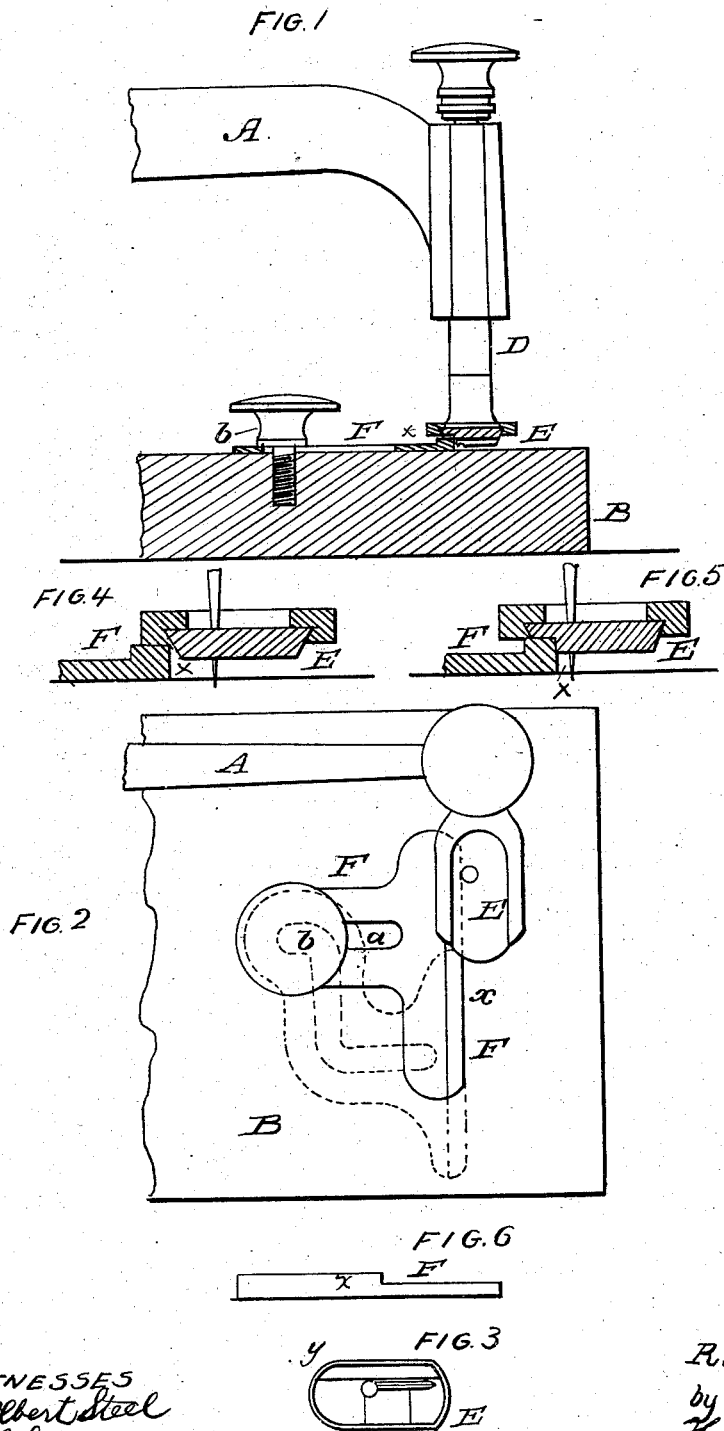


R. E. PETERSON, Jr.
Sewing Machine Guide.

No. 47,978.

Patented May 30, 1865.



WITNESSES
Wm. Albert Steel
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INVENTOR
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UNITED STATES PATENT OFFICE.

ROBT. E. PETERSON, JR., OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN GLASS PRESSER-FEET OF SEWING-MACHINES.

Specification forming part of Letters Patent No. **47,978**, dated May 30, 1865.

To all whom it may concern:

Be it known that I, R. E. PETERSON, JR., of Philadelphia, Pennsylvania, have invented an Improvement in Presser-Feet for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists in a presser-foot having a longitudinal recess adapted to receive the edge of the guide-plate, substantially as described hereinafter, so that the edge of the guide-plate may be brought beneath the presser-foot close to the needle, and thereby guide the cloth when a narrow tuck has to be made.

In order to enable others to make and use my invention, I will now proceed to describe its construction and operation.

On reference to the accompanying drawings, which form a part of this specification, Figure 1 is a side view of part of a sewing-machine with my improved glass presser-foot; Fig. 2, a plan view; Fig. 3, an inverted plan of the glass pad; Figs. 4 and 5, views drawn to an enlarged scale to illustrate my invention, and Fig. 6 an edge view of the side plate.

Similar letters refer to similar parts throughout the several views.

A represents the front end of the stationary arm of a sewing-machine, and B part of the base-plate on which the fabric to be operated on is placed.

The usual pressure-bar, D, is adapted to the end of the stationary arm, and is arranged to be elevated and lowered by any of the devices heretofore employed in sewing-machines for the same purpose, a glass foot, E, being fitted into the lower forked end of the bar.

F is the running-guide, consisting of a plate having an elongated slot, *a*, through which passes the stem of a set-screw, *b*, into the base-plate B, so that the plate can be adjusted to

any desired position, and secured after adjustment, the front edge, *x*, of the plate serving to guide the edge of the fabric.

Presser-bars with glass feet have been heretofore used in connection with sewing-machines. The foot, however, was so constructed that the adjustment of the front edge of the guide-plate toward the needle was limited, owing to the edge of the plate coming in contact with one edge of the foot, as shown in Fig. 4. This difficulty was partly obviated by so constructing the guide-plate and so arranging the slot that it could be adjusted to the position shown by red lines, Fig. 2, thereby bringing the edge *x* of the plate as near to the needle-hole in the front as necessary for stitching the narrowest tucks; but from this position of the guiding-edge arose another difficulty—namely, the entire guiding-edge being moved altogether away from the side of the foot, and lying wholly in front of the toe of the same, there was no guiding-edge whatever for the cloth at the side of or underneath the foot, where the proper guiding of the fabric is most necessary. In order to remedy these difficulties I simply cut on the under face, and near one edge of the foot, a longitudinal groove, *y*, of such dimensions that it will admit the edge of the guide-plate, a portion of which is cut away for admission into the recess. (See Fig. 6.)

I claim as my invention and desire to secure by Letters Patent—

The glass presser-foot with its longitudinal recess adapted to receive the edge of the guide-plate, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBT. E. PETERSON, JR.

Witnesses:

CHARLES E. FOSTER,
JOHN WHITE.