

No. 747,163.

PATENTED DEC. 15, 1903.

J. M. GREIST.
SEWING MACHINE PRESSER FOOT HOLDER.

APPLICATION FILED APR. 14, 1903.

NO MODEL.

Fig. 1.

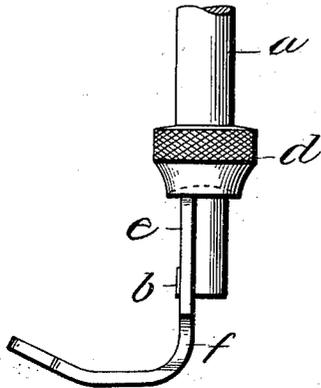


Fig. 2.

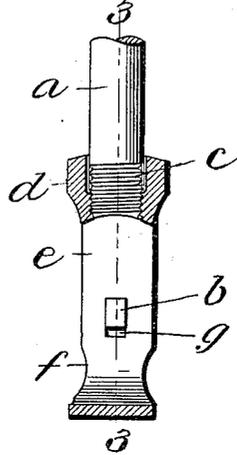


Fig. 3.

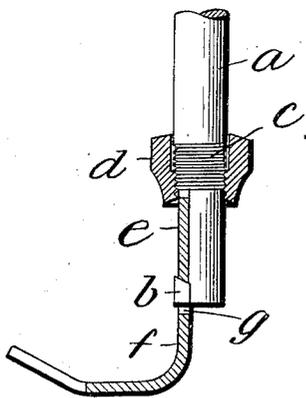
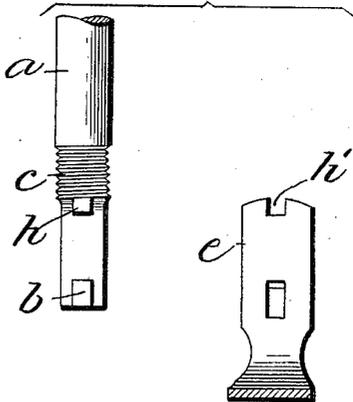


Fig. 4.



WITNESSES:

M. F. Doyle
C. M. Sweeney

INVENTOR:

John M. Greist
BY *Henry Kalber*
Attorney

UNITED STATES PATENT OFFICE,

JOHN M. GREIST, OF NEW HAVEN, CONNECTICUT.

SEWING-MACHINE PRESSER-FOOT HOLDER.

SPECIFICATION forming part of Letters Patent No. 747,163, dated December 15, 1903.

Application filed April 14, 1903. Serial No. 152,604. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. GREIST, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Sewing-Machine Presser-Foot Holders, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention has for its object to provide a simple device whereby a sewing-machine presser-foot may be conveniently and quickly placed in or removed from working position on a sewing-machine, whether the said foot
15 be an ordinary presser-foot or whether it be an attachment presser-foot such as is used in connection with hemmers, binders, rufflers, tuck-markers, and the like. To this end the presser-bar is provided at its lower end with
20 a flattened face, on which is formed an undercut lug, said bar having a threaded portion above said flattened face for the reception of a clamping-nut, which is cupped or undercut at its lower end. The shank of the presser-
25 foot is provided with a slot or opening to be entered by the said undercut lug on the presser-bar, and said shank is rounded or beveled off at its upper end, so that the outer edges of said end will be lower than the middle portion thereof, to enable the cupped or undercut lower end of the nut to securely hold and properly center the upper end of said shank in clamping the presser-foot in working position, in which the said shank is
30 gripped between said cupped or undercut shoulder of said nut and said undercut lug.

In the accompanying drawings, Figure 1 is a side view of a presser-foot and presser-bar constructed in accordance with the present
40 invention, and Fig. 2 is a front view of the same with the presser-foot and clamping-nut in section. Fig. 3 is a vertical section on line 3 3, Fig. 2; and Fig. 4 is a front view illustrating a slightly-modified form of the invention.

Referring to the drawings, *a* denotes the presser-bar, provided at its lower end with a flattened face or portion, at the lower part of which is a small lug or projection *b*, the upper
50 end of which is beveled to form an undercut shoulder. The presser-bar is provided just above its flattened or cut-away portion

with a screw-threaded part *c*, on which fits a nut *d*, the lower end of which is cupped or undercut, so as to bear firmly against the beveled or rounded upper end of the shank *e* of the presser-foot *f*, and which shank is provided with a recess or slot *g*, entered by the lug *b* on the presser-bar.

With the parts constructed as above described the presser-foot may be secured firmly in place on the presser-bar simply by entering the lug *b* in the slot *g* and then screwing down the nut *d* against the rounded or beveled upper end of the presser-foot shank, thus
55 firmly clamping said shank between the cupped or undercut shoulder at the lower end of the said nut and the said undercut shoulder at the upper end of the lug *b*, and the presser-foot may be conveniently and
70 quickly released simply by loosening or screwing up said nut *d*. When the nut *d* is tightened against the top of the beveled or rounded presser-foot shank, it has a tendency to center the said shank, as well as to secure it
75 in place; but this steadying and centering action may be supplemented, if desired, by providing the presser-bar with a second lug *h*, entering a slot *h'* at the upper end of the presser-foot shank, as shown in Fig. 4.

The novel construction above described is very simple and cheap to make and enables a presser-foot to be attached directly to a round presser-bar without the assistance of an interposed block or holder, while the construction is such that it is well adapted to
85 secure a presser-foot to the front side of a presser-bar, so that it can be most conveniently applied or removed.

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

1. A presser-foot-holding device consisting of the combination with a presser-bar provided on its front face with a lug and with a screw-threaded part above said lug, of a vertical
95 presser-foot shank provided with a slot or recess into which said lug may be entered, and a nut fitting the said threaded part of said presser-bar and provided at its lower end
100 with a shoulder to impinge against the said upper end of said presser-foot shank to secure the presser-foot in place.

2. A presser-foot-holding device consisting

of the combination with a presser-bar provided on its front face with a lug having an undercut shoulder at its upper end, and with a screw-threaded part above said lug, of a
5 vertical presser-foot shank provided with a slot or recess into which said lug may be entered and having a rounded top end, and a nut fitting the said threaded part of said presser-bar and provided at its lower end

with an undercut shoulder to impinge against the said upper end of said presser-foot shank to secure the presser-foot in place.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN M. GREIST.

Witnesses:

P. R. GREIST,
W. C. GREIST.