Aug. 17, 1926. 1,596,789

P. AZARA

PRESSER FOOT ATTACHMENT

Filed Dec. 7, 1925

Fig. 1.

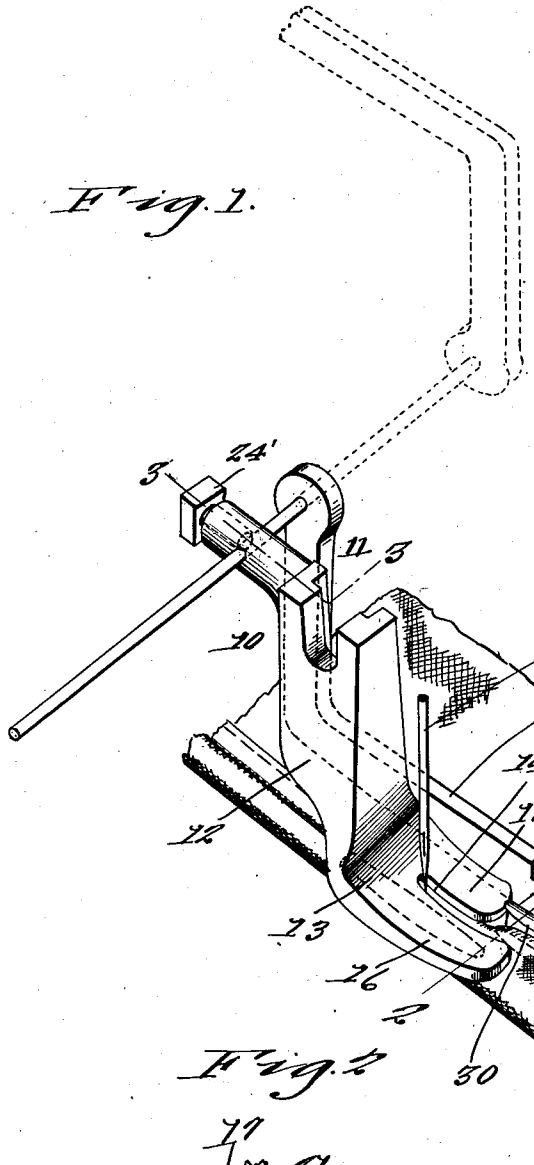


Fig. 3.

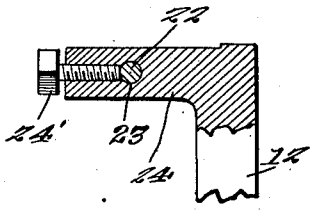
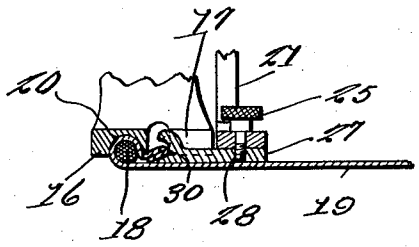


Fig. 2.



Peter Azara
INVENTOR

BY Victor J. Evans
ATTORNEY

R. C. Thomas
WITNESS:

Patented Aug. 17, 1926. 1,596,789

UNITED STATES PATENT OFFICE.

PETER AZARA, OF NEW YORK, N. Y.

PRESSER-FOOT ATTACHMENT.

Application filed December 7, 1925. Serial No. 73,785.

This invention relates to improvements in presser foot attachments for sewing machines and a gage therefor.

The principal object of the invention resides in a presser foot for use in the stitching of fabrics, when it is desired to conceal cords or other reinforcements within a hem for finishing purposes on garments or upholstering and for accurately turning the hem by means of a gage supported from the presser foot and which may be adjusted with relation to the needle slot in the presser foot for turning hems of different widths.

Another object of the invention is to provide a presser foot which may be attached to sewing machines and used for various types of stitching, such as the plain stitch, piping, loops and tucks. Heretofore, it has been the practice to use a separate presser foot for each different stitch, which causes a loss of time when changing from one presser foot to the other.

Another object of the invention is to construct a combined presser foot and gage therefor which is simple in construction, inexpensive of manufacture and highly efficient for the purpose intended.

With these and other objects in view, the invention resides in certain novel construction and combination and arrangement of parts, the essential features of which are hereinafter fully described, are particularly pointed out in the appended claims, and are illustrated in the accompanying drawing, in which:—

Figure 1 is a perspective view of my improved presser foot and gage showing the gage in an operative position in full lines and in an inoperative position in dotted lines.

Figure 2 is a transverse sectional view on the line 2—2 of Figure 1.

Figure 3 is a vertical longitudinal sectional view on the line 3—3 of Figure 1.

Referring more particularly to the drawing, the reference numeral 10 designates my improved presser foot and 11 a gage therefor. The presser foot 11 is adapted to be carried by the presser foot bar of a sewing machine in the usual manner and comprises a body portion 12 from which an angularly disposed foot 13 extends. The foot 13 is bifurcated as at 14 to provide a slot for the passage of the usual reciprocating needle 15. The furcations formed by the bifurcation in the foot constitute toes 16 and 17, the toe 16 being slightly longer than the toe 17. The construction thus far described is similar to an ordinary hemstitching presser foot, but to permit the presser foot to be used for stitching a cord 18 firmly within a hem of a piece of fabric 19, I provide a longitudinal groove 20 in the underside of the toe 16. One edge of the groove extends in close proximity to the bifurcation 14 so that the needle 15 will stitch the hem in close proximity to the cord or reinforcing strip 18. Although the groove 20 is shown as semi-circular in cross section, it will be understood that the same may be of any configuration depending upon the shape of the reinforcement. For instance, the groove may be rectangular in cross section to accommodate the stays of a corset for stitching the stays to the fabric.

The gage 11 above referred to comprises an L-shaped arm or bracket 21 provided with a laterally extending rod 22 which passes through an opening 23 in an extension 24 carried by the body portion 12 of the presser foot. The rod 22 is free to slide through the opening 23 for adjusting the arm 21 toward or away from the presser foot. The same is held in adjusted position by means of a set screw 24′ threaded in the end of the extension and adapted to be screwed into clamping engagement with the rod.

The free end of the arm 21 is flattened and carries a set screw 25 for threading engagement with a hem turner or gage 26. The gage 26 has a lug 27 extending therefrom and which is adapted to underlie the flat end of the bracket and is provided with a threaded opening 28 for receiving the screw 25. When loosening the screw 25, the gage may be removed from the bracket and a different style gage substituted therefor. The present gage has a relatively wide mouth portion 29 which tapers to a restricted portion 30, whereby the edge of the fabric may be turned over when fed beneath the presser foot. The gage 26 may be laterally adjusted with respect to the presser foot by the adjustment of the rod 22 whereby to produce hems of different widths. When not in use, the gage may be swung up out of the way and held in such position by the set screw 24 as clearly shown in dotted lines in Figure 1 of the drawing.

What I claimed as new is:—

1. In combination with a presser foot for

sewing machines having a rearwardly extending boss, a gage comprising an L-shaped supporting arm, means for adjustably supporting said arm with respect to said presser foot for movement toward or away from the same, said means including a laterally extending rod slidably mounted in said boss, a clamping screw carried by said boss and engageable with said rod, and a hem turning member removably supported by said arm forward of said presser foot.

2. A presser foot for sewing machines for enclosing a strip of material which is round in cross section within the hem of a piece of fabric during the formation of the hem, comprising a body portion, an angularly disposed foot extending from said body portion and having a relatively short toe and a spaced relatively long toe, a longitudinal semi-circular groove provided in the underside of said long toe and extending approximately the length of the same for accommodating the thickness of the material adapted to be enclosed within the hem during the formation thereof, and a guide adjustably supported with respect to said short toe for turning the edge of the fabric over the material prior to the passage of the short toe thereover.

In testimony whereof I have affixed my signature.

PETER AZARA.