Aug. 20, 1946. M. R. LITTLE 2,406,022

ELECTRIC HEM PRESSER FOR SEWING MACHINES

Filed April 27, 1944

Fig. 1.

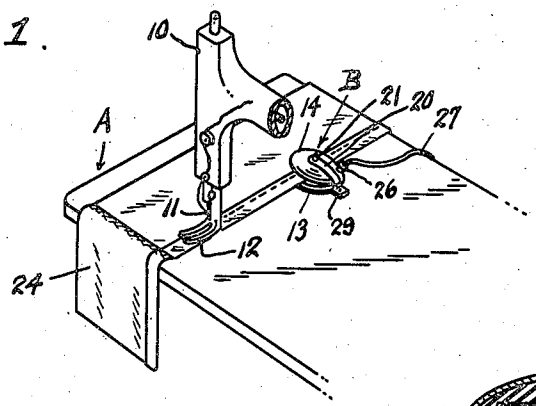


Fig. 2.

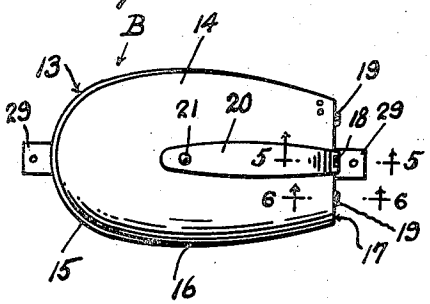


Fig. 4.

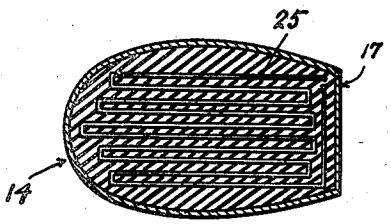


Fig. 5.

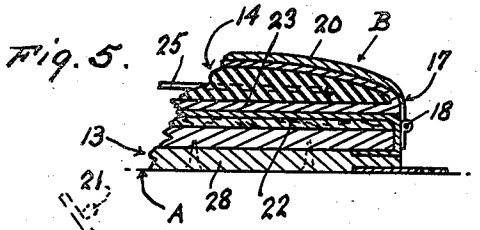


Fig. 3.

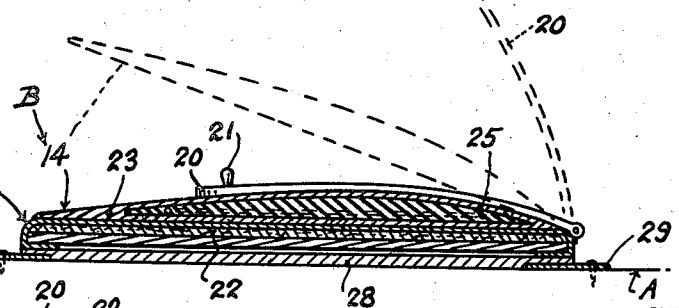
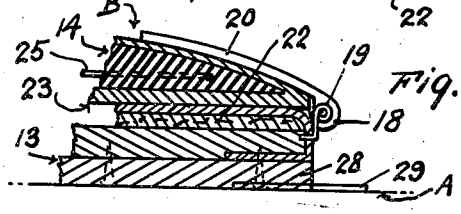


Fig. 6.



INVENTOR.

Mary R. Little

BY

Victor J. Evans & Co.

ATTORNEYS

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ELECTRIC HEM PRESSER FOR SEWING MACHINES

Mary R. Little, Harrisonburg, Va.

Application April 27, 1944, Serial No. 532,995

1 Claim. (Cl. 219—19)

1

The invention relates to an electric presser, and more particularly to an electric hem presser for use with sewing machines.

The primary object of the invention is the provision of a presser of this character, wherein on the application thereof to the work bench or table of a sewing machine, a hem being stitched thereby can be readily and conveniently pressed, to crease such hemming while being formed, thus effecting in a single operation the hem and its pressing into shape.

Another object of the invention is the provision of a presser of this character, wherein its construction is novel and unique, in that it can be fixedly held into a position for accommodating the work performed by a sewing machine, so that when a hem is formed or a pleat made thereby it can be pressed into shape during the operation of such machine, thereby eliminating a separate pressing operation as is now commonly done independently of the machine.

A further object of the invention is the provision of a presser of this character, wherein its construction is such that it can be disposed in the path of the work performed by a sewing machine, so that the work is stitched whereby it will be guided into the presser during the feeding operation of such work to the said machine, the stitching and pressing operations being effected under a single feeding manipulation of the said work.

A still further object of the invention is the provision of a presser of this character, which is simple in construction, thoroughly reliable and efficient in operation, readily and easily applied to a sewing machine for cooperation with the stitching action for the pressing of the stitched areas of the work during the activity of the said machine, strong, durable and inexpensive to manufacture and install.

With these and other objects in view the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawing, which shows the preferred embodiment of the invention, and pointed out in the claim hereunto appended.

In the accompanying drawing:

Figure 1 is a fragmentary perspective view of a sewing machine of any standard construction, showing the presser constructed in accordance with the invention applied thereto in working position.

Figure 2 is a top plan view of the presser detached from the machine.

Figure 3 is an enlarged vertical central sectional view taken longitudinally of the presser, the top presser head being shown by full lines in lowered pressing position and by dotted lines in a raised non-pressing position.

2

Figure 4 is a cross sectional view through the head of the presser.

Figure 5 is a fragmentary sectional view taken on the line 5—5 of Figure 2 looking in the direction of the arrows.

Figure 6 is a fragmentary sectional view taken on the line 6—6 of Figure 2 looking in the direction of the arrows.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A designates generally a portion of the work bed, bench or table of a sewing machine, which is standard equipment thereof for supporting its stitching head 10, having the usual thread sewing needle 11 and presser foot 12 cooperative therewith. The sewing machine with its stitching mechanism of conventional type is no part of the present invention, the machine illustrated being merely shown to illustrate the application of the presser constituting the present invention, and hereinafter described.

The presser denoted generally at B as constituting the present invention, comprises a lower base or bed section 13 and an upper swinging head section 14, these being similarly shaped to each other and both are formed with outwardly rounded one end and side edges 15 and 16, respectively, while the opposite other end edge 17 of each is straight. The sections 13 and 14 are preferably elongated, and by a single leaf-hinge connection 18 at the straight edges 17 the head section 14 is swingingly supported by the lower section 13, so that this head section can be opened and closed relative thereto. The hinge connection 18 is equipped with a suitable hinge spring 19 which urges the head to closing position on the lower section.

The upper leaf 20 of the hinge connection 18 over-hangs the head section 14, which latter may be detachably connected to such leaf and is fitted with a hand-hold 21 so that the head section 14 can be raised and lowered in the pressing operation of the presser B.

The lower section 13 has built thereon a fabricated ironing pad such as felt or the like 22 which cooperates with the inner smooth presser facing or surface such as cloth or the like 23 of the head section 14 when such pad and surface have interposed therebetween a piece of work 24

to be pressed on the closing of the head section 14 thereon, and such work is guided through the presser B after the stitching operation of the sewing machine, the presser being disposed rearwardly of the sewing mechanism of such machine and in the path of the piece of work 24 acted on thereby, as is clearly shown in Figure 1 of the drawing.

The head section 14 has embedded therein throughout a major area thereof an electric heating unit 25 which is in electrical connection with an electric plug socket fitting 26 exposed through the top of the head section for the separable plug connection with an electric current supply cord 27 receiving its energy from any suitable source of current power line.

The bottom rest 28 of the lower section 13 is fitted with attaching tabs or ears 29 for convenient fastening of the presser B in the proper place on the machine bed or table A.

The direction of the feed of the work 24 both to the machine and the presser is clearly illustrated in Figure 1 of the drawing, and as such work travels through the presser between the sections 13 and 14 thereof the hem or pleat formed or stitched by the machine will become properly pressed in a single guiding operation of such work by the operator of the machine.

The head section 14 is raised from the lower

section 13 of the presser B when the work piece 24 for the convenient removal of the latter from such presser.

Hand pressure may be applied to the head section 14 if this be required, the electric heating unit and its connections being properly insulated under the installment thereof within the presser B for protective purposes. The presser B is readily and easily applied to and removed from the sewing machine as the occasion may require.

It is, of course, understood that changes, variations and modifications may be made in the invention, as fall properly within the scope of the appended claim.

What is claimed is:

A presser of the kind described, comprising a lower padded ironing section having curved sides, a rounded front edge and a straight rear edge, an upper presser head section conforming in shape to said lower section and swingingly connected to said lower section, means connected to the straight rear edges of said upper and lower sections for urging the head section against the lower section, an electric heating unit embedded within the head section and a rest bottom on the lower section and having attaching means for securing said section in position for receiving a piece of work between it and the head section.

MARY R. LITTLE.