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P. CORBIN

1,515,807

EMBROIDERY ATTACHMENT FOR SEWING MACHINES

Filed Dec. 12, 1923

Fig. 1.

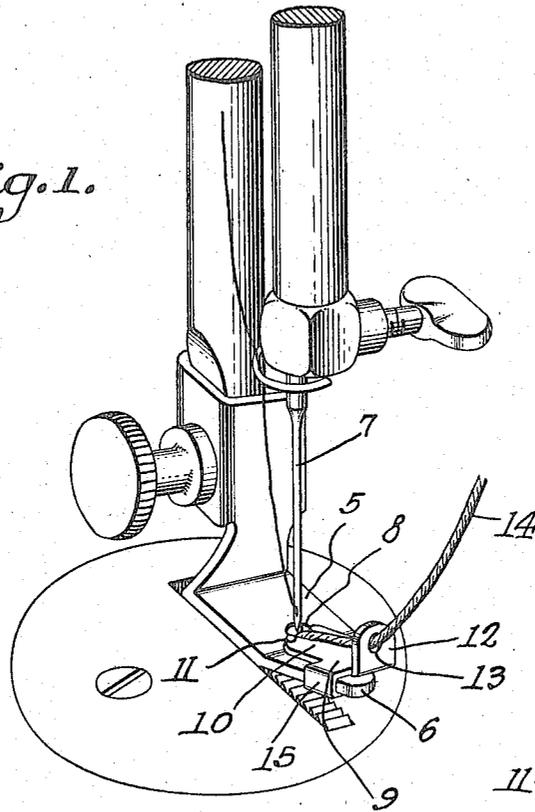


Fig. 2.

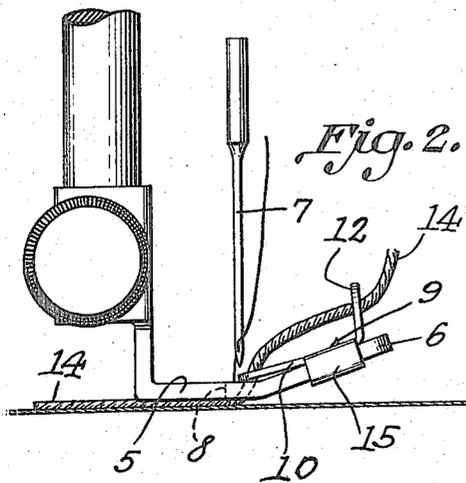


Fig. 3.

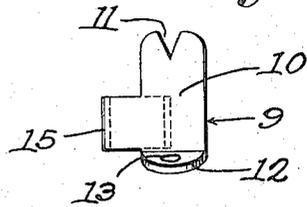
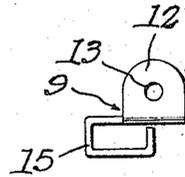


Fig. 4.



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EMBROIDERY ATTACHMENT FOR SEWING MACHINES.

Application filed December 12, 1923. Serial No. 680,147.

To all whom it may concern:

Be it known that I, PAUL CORBIN, a citizen of the United States, residing at Altus, in the county of Jackson and State of Oklahoma, have invented certain new and useful Improvements in Embroidery Attachments for Sewing Machines, of which the following is a specification.

My invention relates to an embroidery attachment to be mounted upon the presser foot of a sewing machine.

An important object of the invention is to provide a device of the above mentioned character, so constructed that it will properly guide and center, with respect to the needle of the machine, embroidery threads of different diameters.

A further object of the invention is to provide a device of the above mentioned character, which is mounted upon the top of the presser foot, with the embroidery thread traveling over the same, whereby the embroidery thread is at all times visible, before being sewed to the fabric.

A further object of the invention is to provide a device of the above mentioned character, which is extremely simple in construction, small, cheap to manufacture, and is adapted to be mounted upon the presser foot extension, between the ends thereof, so that the attachment will in no way cover or obstruct the view of the pattern upon the cloth, during the sewing of the embroidery thread thereto.

A further object of the invention is to provide a device of the above mentioned character, which due to its small size and compact arrangement of parts, may remain permanently upon the presser foot, during the ordinary sewing operation of the machine, without in any way interfering with the operation or the convenience of the user of the machine.

A further object of the invention is to provide a device of the above mentioned character, which may be quickly and conveniently placed upon the presser foot extension of a sewing machine, and held thereon without the use of screws or other clamping devices.

A further object of the invention is to provide a device of the above mentioned character, so constructed that it will not work loose upon the presser foot extension, due to vibration.

Other objects and advantages of the in-

vention will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification, and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a perspective view of an embroidery attachment embodying my invention, showing the same applied to the presser foot, all parts being enlarged for the sake of illustration,

Figure 2 is a side elevation of the same,

Figure 3 is a plan view of the attachment removed, upon an enlarged scale, and,

Figure 4 is an end elevation of the same.

In the drawings, wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numeral 5 designates the presser foot of the ordinary sewing machine having an annularly arranged extension 6, as is customary. The reciprocating needle 7 passes through an opening 8 in the presser foot.

My embroidery attachment is designated as a whole by the numeral 9, and includes a preferably substantially flat body portion 10, provided at its forward end with a notch or opening 11, which is tapered or V-shaped, and decreasing in width inwardly. This notch is positioned adjacent to the opening 8. The body portion 10, in the form of a flat plate, has its rear end bent upwardly into an upstanding guide 12, having an opening 13 for receiving the embroidery thread 14. This opening 13 is preferably larger than the maximum diameter of the thread to be worked, and the opening 13 does not serve to center the work with respect to the needle 7, but simply as a means to guide it to the tapered notch 11. This tapered notch is an important feature of the invention, as this notch serves to center the thread with respect to the needle 7, and also to produce the proper tension upon the thread, near or at the point of sewing. The notch 11, by virtue of its shape serves to equally well center, with respect to the needle, embroidery threads of different diameters. I regard this as an important feature of my invention.

Particular attention is called to the fact that the body portion 10 of the device is mounted upon the top of the presser foot extension 6, and this body portion carries a loop 15, preferably formed integral therewith, and bent downwardly for projecting

beneath the body portion. This loop is inserted upon the presser foot extension 6, by an end-wise movement, and the loop may have sufficient resiliency for affording a proper frictional engagement with the extension 6, so that it will not work loose, due to vibrations. The attachment is therefore securely held upon the top of the presser foot extension, without the employment of screws or the like.

Particular attention is called to the fact that the device is formed of a single section of sheet metal, with all parts integral. This enables the device to be stamped and bent from the sheet metal in a very simple operation.

In the use of the device, the attachment is mounted upon the top of the presser foot 6, with the body portion 10 in the position indicated in Figures 1 and 2. This brings the tapered notch or opening 11 adjacent to or partly overlapping the opening 8. The embroidery thread 14 is passed through the opening or eye 13 and then fed through the tapered opening or notch 11 and passes beneath the presser foot 5, after it is sewed. The tapered opening 11 serves to center the thread with respect to the needle, and will do so with threads of different diameters.

It is to be understood that the form of

my invention herewith shown and described is to be taken as a preferred example of the same, and that various changes in the shape, size, and arrangement of parts, may be resorted to without departing from the spirit of my invention, or the scope of the sub-joined claims.

Having thus described my invention, I claim:

1. An embroidery attachment for a sewing machine, comprising a plate having a V-shaped notch formed in its forward end, said plate having its material at its rear end bent upwardly and provided with an aperture for the reception of the thread, and a laterally extending strip formed integral with the plate and bent into a depending loop for receiving the extension of the presser foot and holding the plate upon the top of the presser foot.

2. An embroidery attachment for a sewing machine, comprising a member provided at its forward end with a tapered notch decreasing in width rearwardly, a thread guiding element arranged near the rear end of the body portion, and a loop formed upon the body portion and extending laterally therefrom and adapted to receive a portion of the presser foot therein.

In testimony whereof I affix my signature.
PAUL CORBIN.