

R. W. SHOCKLEY.
EMBROIDERY ATTACHMENT.

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959,890.

Patented May 31, 1910.

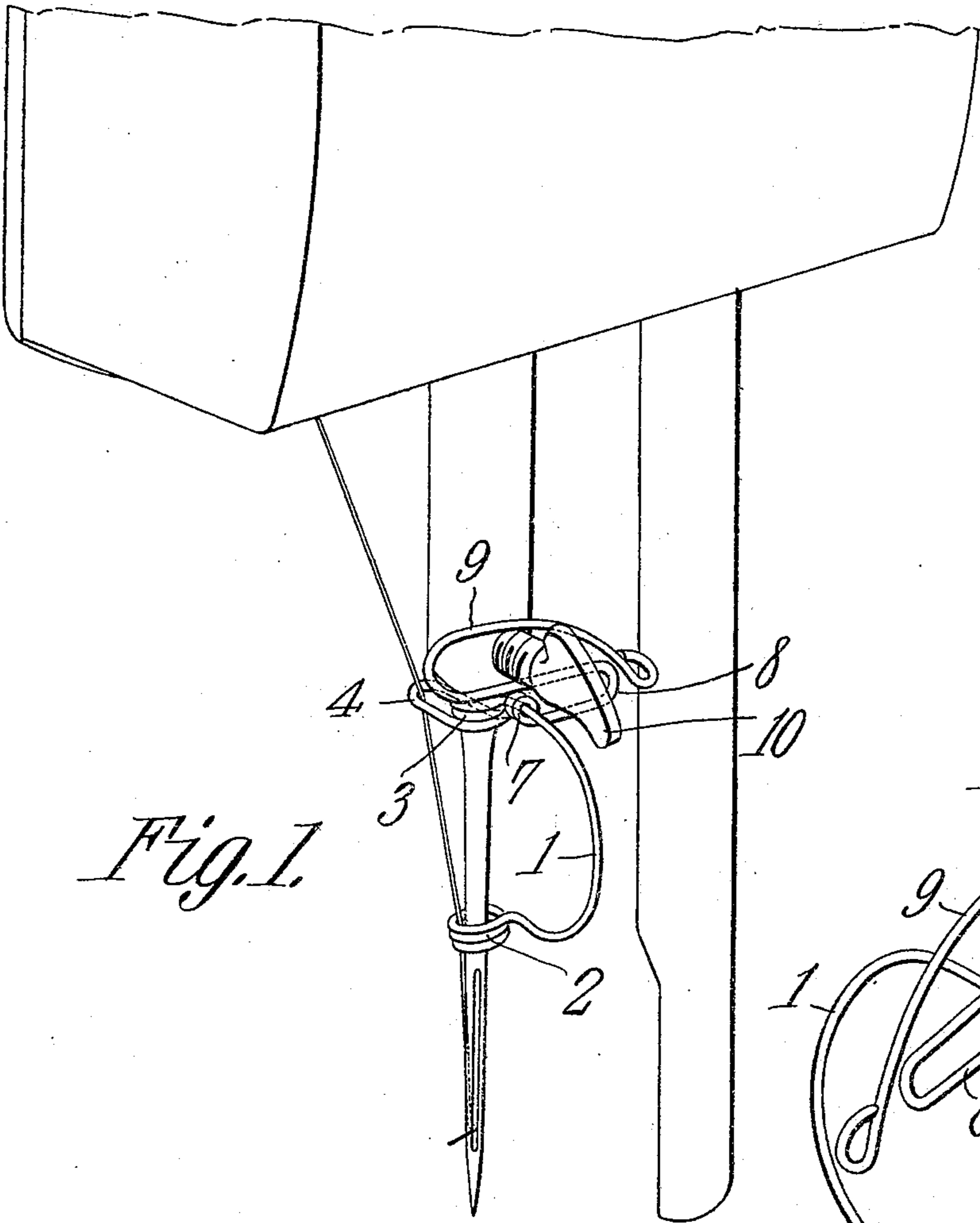


Fig. 1.

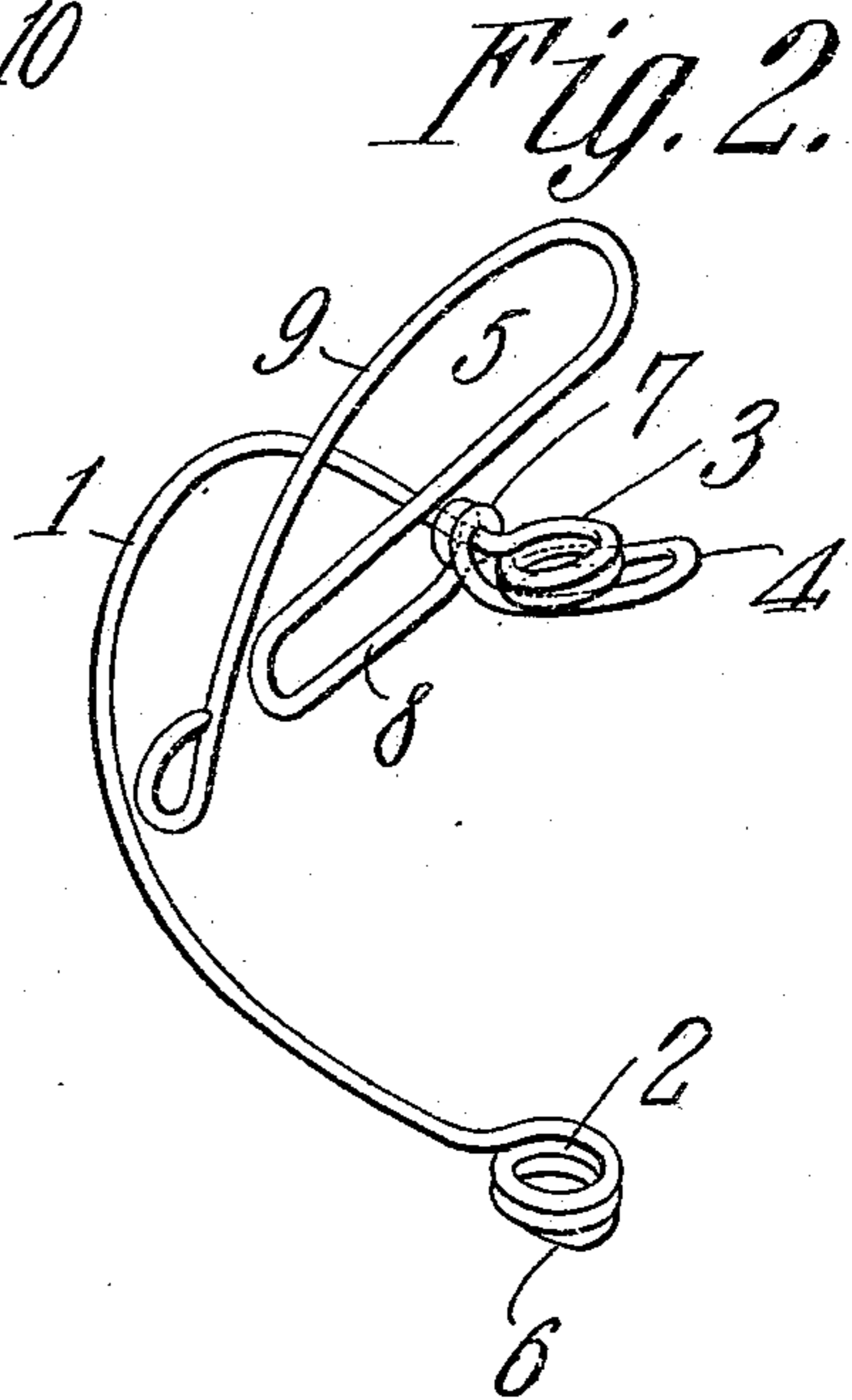


Fig. 2.

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UNITED STATES PATENT OFFICE.

RICHARD WATSON SHOCKLEY, OF SAN ANGELO, TEXAS.

EMBROIDERY ATTACHMENT.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, RICHARD W. SHOCKLEY, a citizen of the United States, residing at San Angelo, in the county of Tom Green and State of Texas, have invented a new and useful Embroidery Attachment, of which the following is a specification.

This invention relates to embroidery attachments for sewing machines.

10 The object of the invention is to provide a simply constructed and easily applied attachment of this character adapted to hold a fabric upon the bed of the machine, while the needle is being withdrawn therefrom and
15 which shall be movable with the needle, to permit the fabric readily to be shifted to any desired position when the needle is raised.

20 With the above objects in view, the attachment consists of a single wire having convolutions formed therein and forming eyes for the reception of a needle, a non-volute bowed portion connecting the eyes together and a laterally disposed elongated thread-
25 guide formed in the wire at the base of the upper eye. A clamping member is formed at the upper end of the wire by providing opposed loop sections in the wire which project at their ends beyond the opposite sides
30 of the lower portion and which converge toward each other at the inlet of the clamp.

In the accompanying drawings forming a part of this specification and in which like characters of reference indicate corresponding parts,—Figure 1 is a view in perspective,
35 displaying the attachment assembled with a needle bar. Fig. 2 is a perspective detail view of the device.

40 The attachment is made from a single piece of resilient wire, and comprises an approximately semi-circular arm 1, a pair of needle-receiving eyes 2 and 3, a thread guide 4 and a clamping or attaching member 5. The eye 2, which constitutes a presser foot
45 is produced by bending one end of the arm into two or more circular coils, the terminal of the under coil being beveled as at 6 to prevent catching in the goods. The eye 3 and thread guide 4 are produced, the first
50 by bending the wire into two circular coils

and the second by bending the wire to produce an elongated loop that is disposed beneath the eye, and then coiling the wire twice around the arm at 7 adjacent to the eye 3, this last step leaving the remaining length
55 of the wire disposed at right angles to the arm 1. The clamping member 5 is produced by bending the wire laterally to form the semi-loop 8, and then rebending it in the
60 opposite direction to form the complete loop 9.

It will be noted by reference to Fig. 2 that the eyes 2 and 3 and guide 4 occupy substantially parallel planes, and that the clamping member is disposed at right angles to the
65 arm. This disposition of the parts best adapts the device for attachment to a machine and also for securing the best results in operation.

To position the device on a machine, the
70 presser foot is first removed, the eyes 2 and 3 are then passed over the needle, and the loop 9 is then sprung over the needle holding screw 10. When thus positioned the eye
75 3 will bear against the lower end of the needle bar and the guide 4 will project beyond one side thereof.

In threading the needle the usual thread guide on the needle bar is not used, the thread being passed through the guide 4 and
80 eye 2 and then through the eye of the needle.

The eye 2 constitutes a thoroughly effective presser foot for holding down the fabric on the bed of the machine while the needle is passing downward therethrough and while
85 it is being withdrawn therefrom, and as the attachment moves with the needle, after the needle has cleared the fabric the latter may readily be shifted to the desired position.

The improvements herein defined while
90 simple in character will be found thoroughly efficient and practical, and easily applied to position when required.

What is claimed is:—

An embroidery attachment comprising a
95 single wire having convolutions formed therein and forming eyes for the reception of a needle, a non-volute bowed portion connecting the eyes together, a laterally disposed elongated thread guide formed in the
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wire at the base of the upper eye and a clamping member formed at the upper end of the wire by providing opposed loop sections in the wire which project at their ends
5 beyond the opposite sides of the bowed portion and which converge toward each other at the inlet end of the clamp.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

RICHARD WATSON SHOCKLEY.

Witnesses:

FRED SCHMIDT,
M. E. JOPLING.