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PATENTED MAY 26, 1903.

C. C. CHERRY.

NEEDLE GUIDE ATTACHMENT FOR SEWING MACHINES.

APPLICATION FILED APR. 9, 1902.

NO MODEL.

Fig. 1.

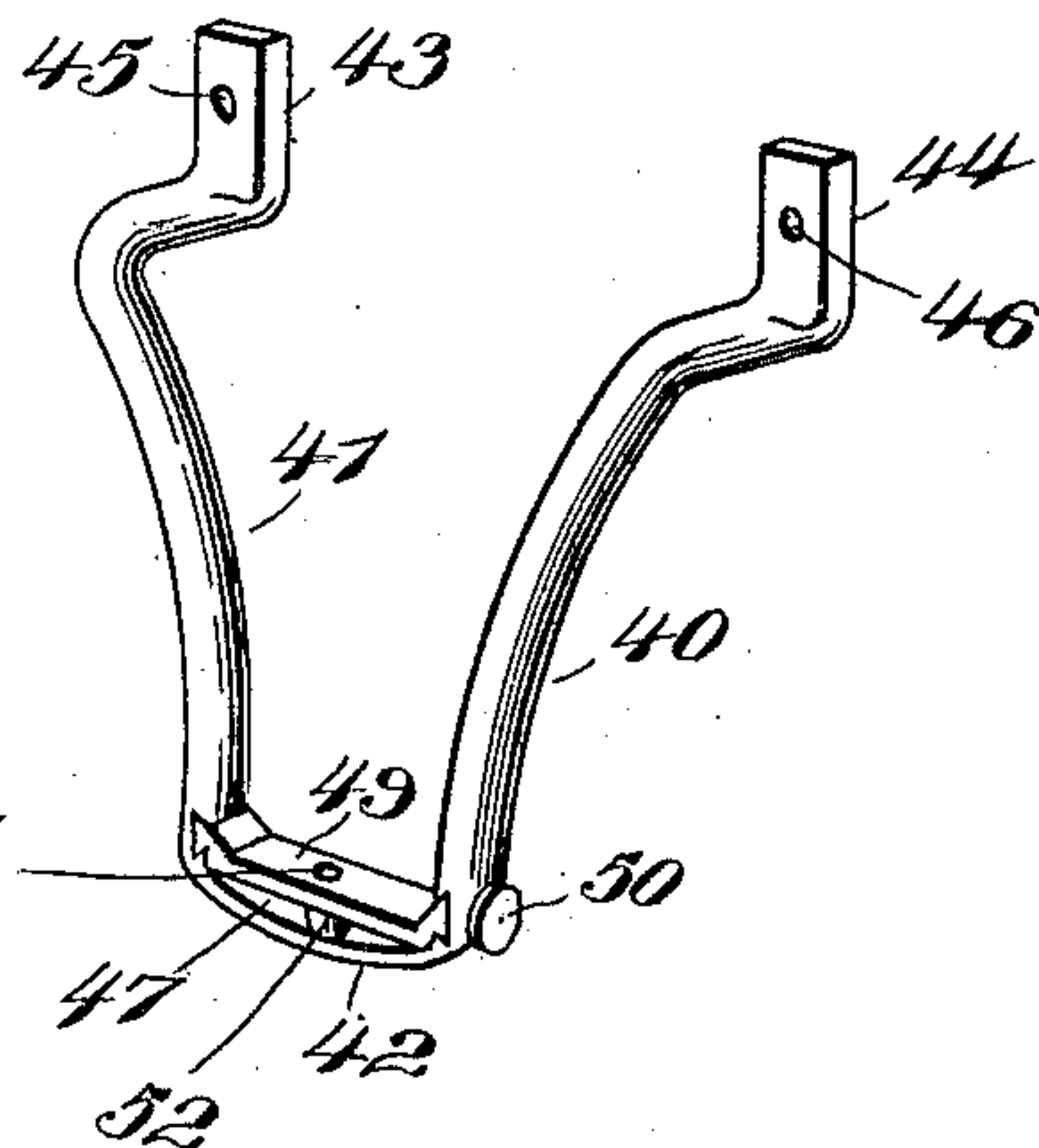


Fig. 3.

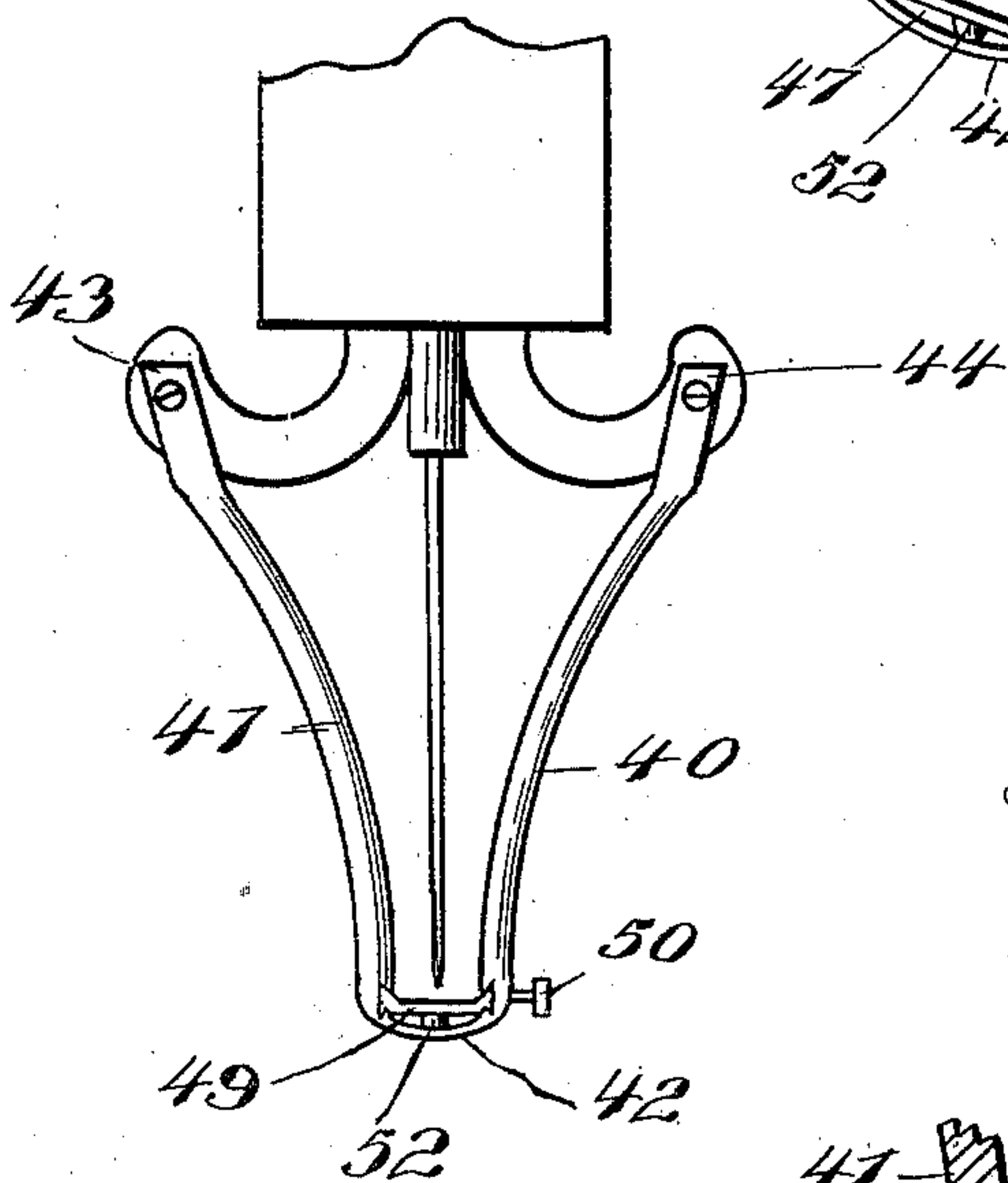
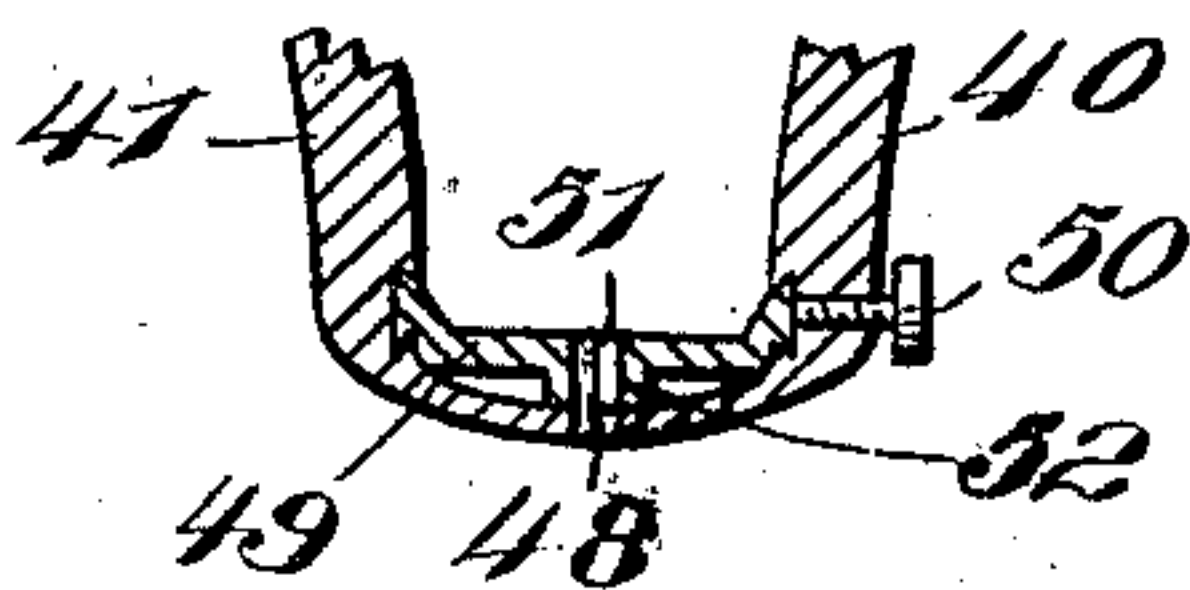


Fig. 2.



Witnesses

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NEEDLE-GUIDE ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 729,132, dated May 26, 1903.

Application filed April 9, 1902. Serial No. 102,067. (No model.)

To all whom it may concern:

Be it known that I, CHARLES C. CHERRY, a citizen of the United States, residing at Hidalgo, in the county of Jasper, State of Illinois, have invented certain new and useful Improvements in Attachments for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to attachments for sewing-machines; and it has for its object to provide a needle-guide which will insure proper operation of the needle at all times, whether through light or heavy materials, so that the needle will not become dull or will not be broken or bent.

A further object of the invention is to provide a construction which may be easily and quickly attached to machines of different types and which will be held securely in place.

Other objects and advantages of the invention will be understood from the following description.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a perspective view of the attachment. Fig. 2 is a vertical section through the lower portion of the attachment. Fig. 3 is an elevation of the lower portion of the revolving head of the Singer shoe-machine with the present guide attached.

In the drawings there is shown a needle-guide comprising a foot or stirrup, including the divergent members 40 and 41, having the connecting-web 42 at their lower ends. The lower portions of the members 40 and 41 are straight and then are curved outwardly, the free end portions of the members being laterally offset and straight, as shown at 43 and 44, and through the portions 43 and 44 are formed perforations 45 and 46, which receive screws, by means of which the device is attached to the head of a sewing-machine. The upper face of the web 42 is recessed, as shown at 47, and the walls of the recessed portion at the ends of the web are beveled inwardly,

so as to form a transverse dovetailed groove, and through the central portion of the web is a perforation 48. In the dovetailed groove is slidably engaged an eye-plate 49, having its side edges beveled to correspond with and fit against the beveled sides of the groove and to hold the eye-plate against withdrawal from the groove. A set-screw 50 is engaged with the threaded perforation through the member 40 and impinges against the edge of the eye-plate. Through the central portion of the eye-plate is formed a perforation 51, surrounding which and on the under side of the eye-plate is an annular flange 52, which engages in the perforation in the web 42. The flange and perforation in the eye-plate form a tubular passage through which the needle operates.

In threading the needle it is raised above the eye-plate and the thread is passed through the eye of the needle for about one-fourth of an inch. The needle is then passed through the eye-plate to carry the end of the thread below the foot or stirrup, after which the thread is drawn through the eye of the needle.

It will be understood that in practice modifications may be made and that any suitable material and proportions may be used for the various parts without departing from the spirit of the invention.

What is claimed is—

An attachment for sewing-machines comprising spaced members having a connecting-web, said members being diverged away from the web and the web having a dovetailed transverse groove in its upper face and a perforation through the bottom of the groove, an eye-plate slidably engaged with the dovetailed groove and having an annular flange surrounding its eye and engaged removably with the perforation in the web, and means engaged with the web and impinging against the eye-plate to hold it against displacement.

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

CHARLES C. CHERRY.

Witnesses:

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W. H. PIPPIN.