

M. W. POTTER & H. M. SNELL.
EMBROIDERY AWL.

APPLICATION FILED JULY 11, 1910.

983,763.

Patented Feb. 7, 1911.

Fig. 1.

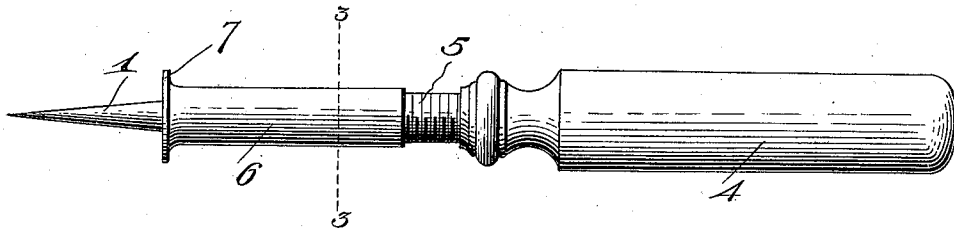


Fig. 2.

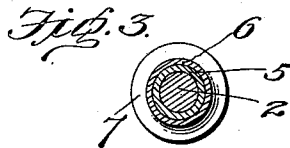
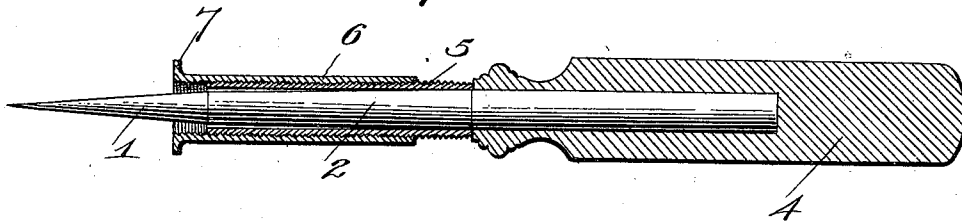


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

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EMBROIDERY-AWL.

983,763.

Specification of Letters Patent.

Patented Feb. 7, 1911.

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To all whom it may concern:

Be it known that we, MATHEWSON W. POTTER and HENRY M. SNELL, citizens of the United States, residing at Saybrook, in the county of Middlesex and State of Connecticut, have invented certain new and useful Improvements in Embroidery-Awls; and we do 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 improvements in embroidery awls.

One object of the invention is to provide an awl of this character having thereon an adjustable gage whereby the size of the hole formed by the awl will be regulated.

Another object is to provide an awl of this character having an adjustable gage which is so constructed and arranged that the same will not interfere with the free and unobstructed view of the work and use of the gage.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings: Figure 1 is a side view of an embroidery awl having a gage constructed in accordance with the invention; Fig. 2 is a vertical longitudinal section thereof; Fig. 3 is a cross sectional view on the line 3—3 of Fig. 1 looking toward the point of the awl; Fig. 4 is a side view of the preferred form of awl employed in connection with our improved gage, the latter being removed from the handle.

Referring more particularly to the drawings 1 denotes the point or blade of the awl which may be of any desired size and length and which is conical or tapered from the outer end of the shank 2 toward the point. In the preferred form of the awl the shank 2 increases slightly and very gradually in diameter from the inner end of the blade or point toward the handle 4 within which the inner end of the shank is firmly secured.

Adapted to be firmly engaged with the forwardly tapered shank 2 is an exteriorly threaded sleeve 5 the diameter of which is such, that when forcibly engaged with the

tapered shank said sleeve will be rigidly fastened thereon. On the sleeve 5 is adapted to be screwed an adjusting device which is in the form of an interiorly threaded ferrule 6 having on its outer end an annular flange 7 which is adapted to engage the fabric when the point is inserted therethrough thereby limiting the distance to which the point or blade is inserted through the fabric. By screwing the ferrule 8 on or off the sleeve to a greater or less extent, it will be readily seen that the distance between the stop flange 7 and the end of the point or blade may be varied thereby regulating the distance the point may be inserted through the fabric. As the blade or point is tapered or cone shaped this regulating of the distance the point may be inserted through the fabric also regulates the size of the hole formed by the awl.

The shank of the awl may be constructed in any suitable shape and the sleeve 5 secured thereto in any suitable manner, said shank being preferably tapered to a slight extent from the handle toward the point or blade 1 as shown in Fig. 4 of the drawing, thus permitting the sleeve to be forced into tight frictional engagement with the shank thereby holding the sleeve in place.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined in the appended claims.

Having thus described our invention, what we claim is:

1. An awl of the character described, comprising a shank, a tapered point formed on one end of said shank, a handle arranged on the opposite end thereof, a sleeve secured frictionally upon said shank, and a regulating ferrule adjustably mounted on said sleeve whereby the distance the point or blade is inserted through the fabric may be regulated.

2. An embroidery awl comprising a shank, a tapered point formed on one end thereof, a threaded sleeve secured to said shank, an interiorly threaded regulating ferrule adapt-

ed to be screwed on and off said sleeve, and a stop flange formed on the outer end of said ferrule.

3. An embroidery awl comprising a
5 tapered shank, a tapered point formed on one end of said shank, a handle arranged on the opposite end, an exteriorly threaded sleeve adapted to be frictionally engaged with said shank whereby the sleeve is se-
10 curely held in place thereon, an interiorly threaded ferrule adapted to be screwed on and off said sleeve to regulate the distance

to which said point is inserted through the ferrule, and a stop flange formed on the outer end of said ferrule. 15

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

MATHEWSON W. POTTER.
HENRY M. SNELL.

Witnesses:

CHARLTON M. PRATT,
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