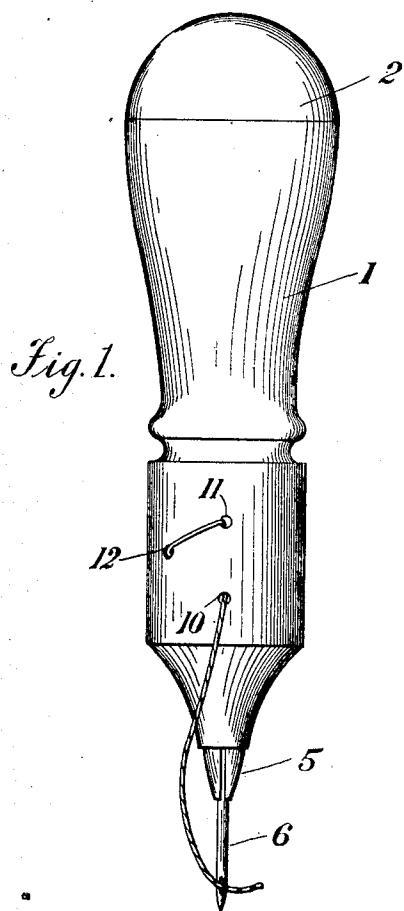
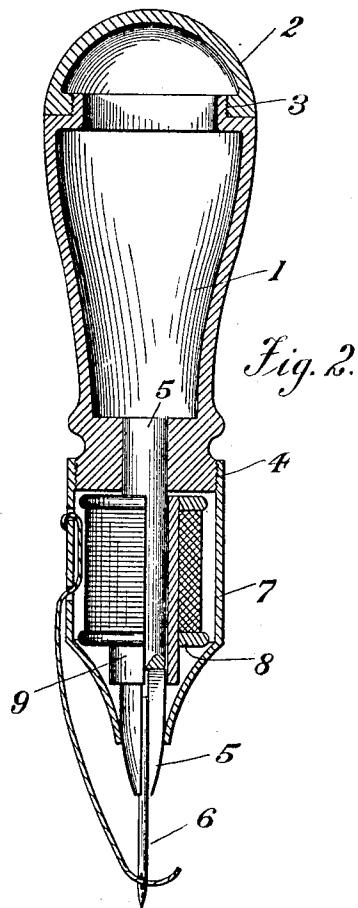
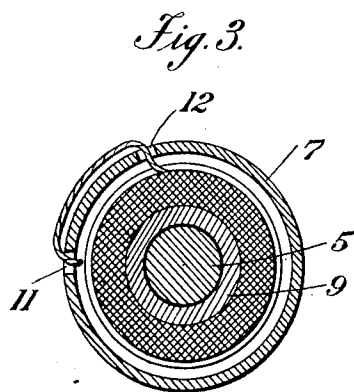


T. HOLMES.
SEWING AWL AND COMBINATION TOOL.
APPLICATION FILED FEB. 18, 1908.

916,708.

Patented Mar. 30, 1909.



Witnesses
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UNITED STATES PATENT OFFICE.

THOMAS HOLMES, OF SAN FRANCISCO, CALIFORNIA.

SEWING-AWL AND COMBINATION-TOOL.

No. 916,708.

Specification of Letters Patent.

Patented March 30, 1909.

Application filed February 18, 1908. Serial No. 416,561.

To all whom it may concern:

Be it known that I, THOMAS HOLMES, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented a new and useful Sewing-Awl and Combination-Tool, of which the following is a specification in such full and clear terms as will enable those skilled in the art to construct and use the same.

10 This invention relates to an awl that is used for the purpose of sewing heavy materials like leather or sail cloth, and its object is to make an awl that will make what is called a "lock stitch," similar to the stitch
15 used on sewing machines where a bobbin is used.

An object of the invention is to make an awl that will feed the thread from the handle thereof in such a manner as to make it easy
20 to regulate the tension of the thread in the needle by a pressure of the thumb on the ferrule of the handle of the awl.

Another object of the invention is to so place the eyes in the ferrule of the awl that
25 the bobbin which carries the thread will not interfere with the thread in any way.

Another object of the invention is to provide a smooth chuck for holding the needle in order that the thread may not be injured by
30 the same when it is being pulled back and forth through the material being sewed.

In the drawings in which the same numeral of reference is applied to the same parts throughout, Figure 1 is a side view of the awl
35 complete, Fig. 2 is a sectional view of the awl, and Fig. 3 is a cross sectional view of the ferrule of the awl showing the bobbin in place.

The awl is provided with a common hollow handle 1 which has the cap 2 threaded
40 thereon at 3, threads 4 being provided at the opposite end to hold the ferrule 7. The chuck 5 is secured in any suitable manner in the end of the handle, said chuck being split at the outer end to hold the needle 6. The
45 ferrule 7 is large enough to hold a small bobbin 8 upon which is wound a quantity of thread. The ferrule 7 also closes the split end of the chuck and holds the needle in place when it is to be used, the conical end of
50 the chuck being so steep as to give a very

considerable pressure on the needle when the ferrule has been drawn down tight.

In order to use the needle for sewing purposes it is necessary to provide some means for allowing the thread to pass out from the
55 bobbin, said means being the openings in the ferrule. The thread is passed out of the hole 12, back into the ferrule through the hole 11 and then out through the hole 10 and then to the point of the needle. In
60 order to provide means to hold the bobbin when the same is being wound with the thread the nipple 9 is secured thereto at one end thereof.

The operation of the awl is as follows:
65 The person using the same threads the needle and then pushes the needle through the goods to be sewed, pulling the needle back a slight amount and pulling up enough of the thread to make the opposite side of
70 the probable amount of stitching that he is to do, then the needle is pulled out of the cloth or material and another stitch is made, the needle then is pulled back enough to
75 make a small loop and the loose end of the thread is passed through the loop by hand, the awl is then pulled out of the goods and by placing the thumb on the thread at the ferrule, and pulling straight out the thread
80 may be drawn tight.

An advantage of this device is that it places the loose thread under the ball of the thumb in such a place as to make it very easy to control the tension of the thread, a thing not easy when the thread passes out
85 of the handle of the awl in the palm of the hand, and another feature of this device is that the thread passes out of the ferrule in such a manner as to be entirely free from the spool, and it is thus not liable to be cut
90 by the edges of the spool, nor is it liable to become tangled.

Having thus described my invention what I claim as new and desire to secure by Letters Patent of the United States is as follows,
95 modifications within the scope of the claim being reserved.

In a sewing awl, a handle, a needle chuck carried thereby, a spool carried by the needle
100 chuck, and a ferrule adapted to tighten the

chuck and cover the spool said ferrule having
two holes in longitudinal alinement and a
third hole approximately equidistant from
the other two holes and at substantially the
same distance therefrom as the first two
holes are from each other.

In testimony whereof I have set my hand

this 12th day of February A. D. 1908, in the
presence of the two subscribed witnesses.

THOMAS HOLMES.

Witnesses:

W. T. HESS,
C. P. GRIFFIN.