

C. W. Simpson

Needle Threader

Nº 94,980.

Patented Sep. 21, 1869.

Fig: 1.

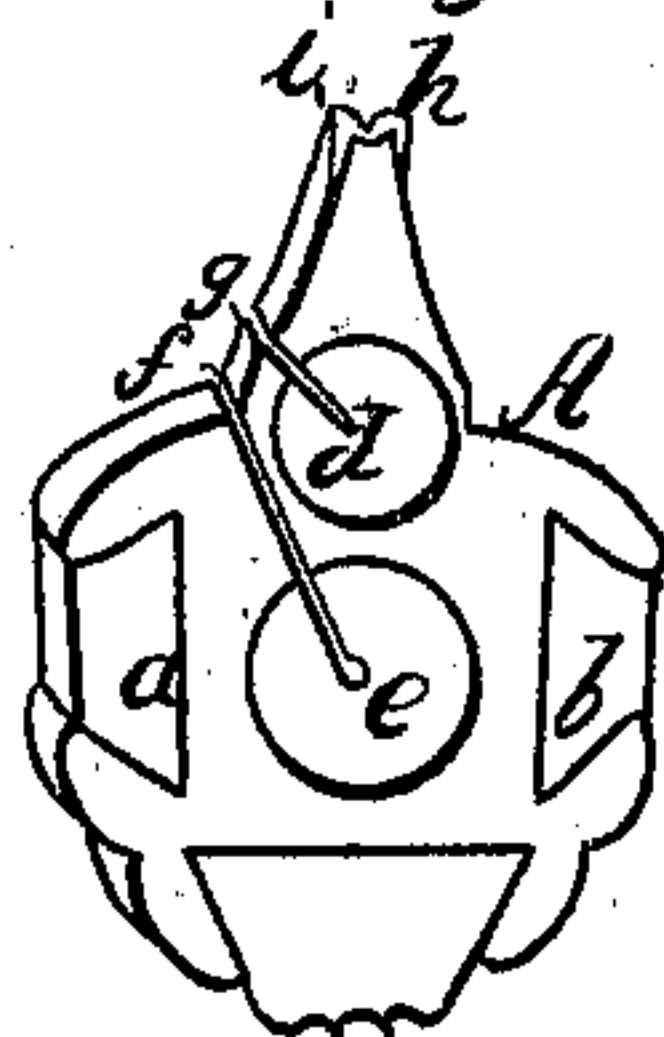
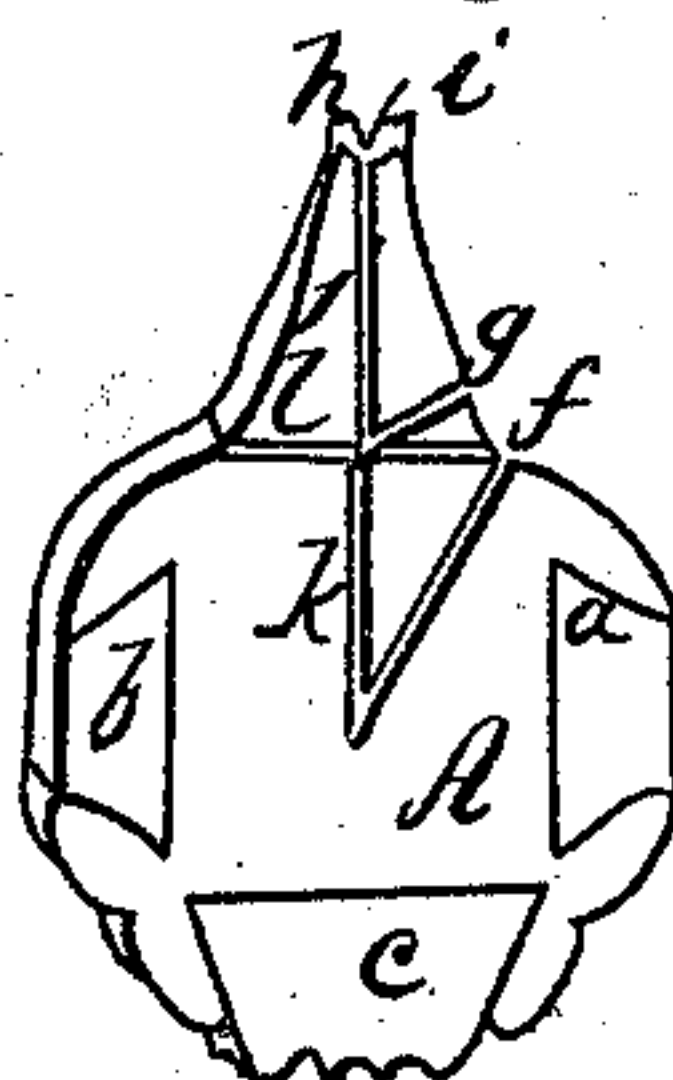


Fig: 2.



Witnesses;
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United States Patent Office.

CORELLI W. SIMPSON, OF BANGOR, MAINE.

Letters Patent No. 94,980, dated September 21, 1869.

IMPROVEMENT IN NEEDLE-THREADERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CORELLI W. SIMPSON, of Bangor, in the county of Penobscot, and State of Maine, have invented a new and useful implement, which I have termed a Needle-Threading Device; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention, sufficient to enable those skilled in the art to which it appertains to practise it.

This invention relates to an article designed to be a sewing-woman's companion, having a stock or body, to be made of soft metal or other suitable material, with a dovetail slot on each side, for the reception of wax for waxing thread, one of these slots to contain white and the other colored wax; also a like slot in the bottom, to receive a block of oil-stone, emery, or similar substance, on which to sharpen or polish needles.

In the upper extremity of the stock I insert a blade with which to cut thread, and close beside it a point with which to clear the eye of the needle when filled with wax or other substances; also a peculiar arrangement for threading needles, as will be hereinafter more fully described.

Figure 1 is a front or face view of my invention, shown in perspective.

Figure 2 is a back view of my invention, also shown in perspective.

Similar letters of reference indicate corresponding parts in the several figures.

In the drawings—

A represents the stock or body of the implement, which I construct of about the size shown in the drawings, and which is to be cast in a metallic mould in finished form, of white metal or other suitable material. On three sides of this stock is provided a dovetail slot passing through the stock.

In one of these slots I insert a corresponding block of white wax, *a*, and in the other a like block of colored wax, *b*, for the purpose of waxing thread.

In the bottom of the stock I form a slot similar to the foregoing, in which I secure a block of sharp grit stone, or solid emery, *c*, in the under side of which I form a series of shallow grooves, as shown, which passes across the face of the block, and in which, by a sliding movement of the needle, it can be readily and perfectly sharpened and polished.

I also form, in the face of the block, two funnel-shaped recesses or countersinks, shown at *d* *e*, the former being smaller than the latter, for the reason hereinafter stated.

A narrow slot, *f*, passing through the stock, leads from the outside thereof to the centre of cavity *e*, and cavity *d* is provided with a similar slot, *g*, leading from the outside of the stock to the centre.

A small hole leads from the centre of each of the cavities *d* *e*, through the stock, to the back side.

In the apex of the stock I insert a short, sharp steel blade, *h*, having in the centre of its edge a slight indentation, for convenience of cutting thread, as shown; and in the back of the stock, near the top, I insert a short steel point, *i*, which is placed just at the side of the centre of the stock, and but slightly inclined from a vertical position.

Upon the back of the stock I form a slight groove, *j*, extending from the top opposite the notch in blade *h*, down to the hole which leads through the stock from the centre of recess *d*, this hole coming out at the back, at the shoulder *l*; the stock being thinner above than below this line.

I also cut a similar groove from where groove *j* terminates, down to the hole passing through from recess *e*, as shown.

For the purpose of threading the needle, the operator will hold the device between the thumb and finger of the left hand; then, with the right hand, place the eye of the needle over the point *i*, in order to remove any foreign substance therein; then run the needle in groove *j*, down to shoulder *l*, if a small one, or, if a large one, down to the hole leading through from recess *e*; then with the left hand hold the needle in position, and with the right hand pass the end of the thread through the proper hole, which guides it through the eye of the needle, or "threads" it; after which the thread is passed out through the slot *g* or *f*, leading from the cavity to the outside, when it is cut of the desired length, upon blade *h*, after which it is waxed upon the desired colored wax, all of which occupies but a moment, as the threading, cutting, and waxing are facilitated by use of this implement, which also contains the requisites described for cleansing the eye of the needle and polishing or sharpening the point.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. Combining, with a needle-threader, receptacles for retaining and holding ready the wax, in manner substantially as described and shown.

2. Combining, with a needle-threader, a needle-sharpener, substantially in manner as described and shown.

3. Combining, with a needle-threader, a cutting-blade, substantially in manner as and for the purposes specified.

4. Combining, with a needle-threader, a cleansing-point, *i*, substantially as and for the purposes set forth.

5. Combining a needle-threader, needle-sharpener, eye-cleaner, and thread-cutter, and thread-waxer, substantially as described and shown.

CORELLI W. SIMPSON.

Witnesses:

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