Nov. 6, 1934. W. V. HERSHEY 1,979,743

THREAD CLIPPER

Filed April 26, 1934

Fig. 1.

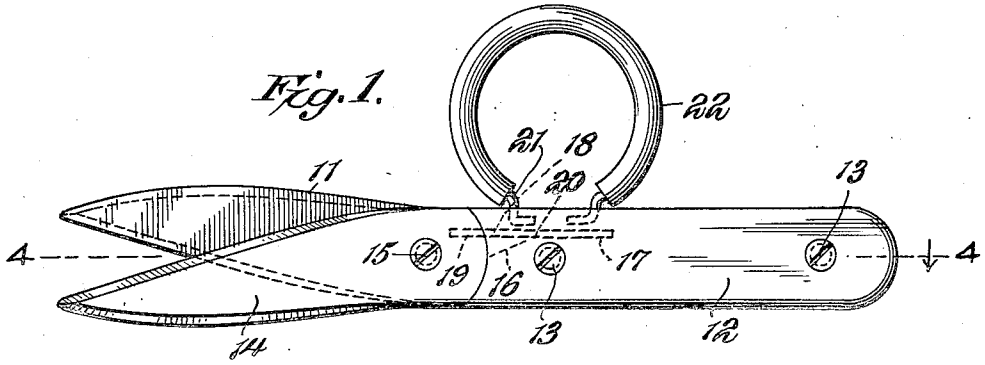


Fig. 2.

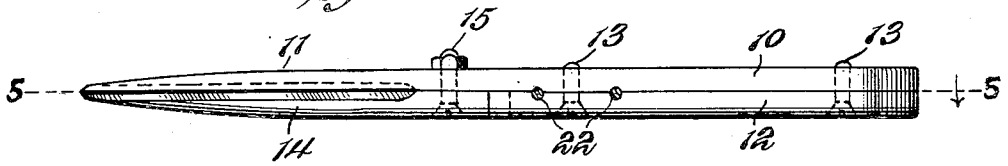


Fig. 3.

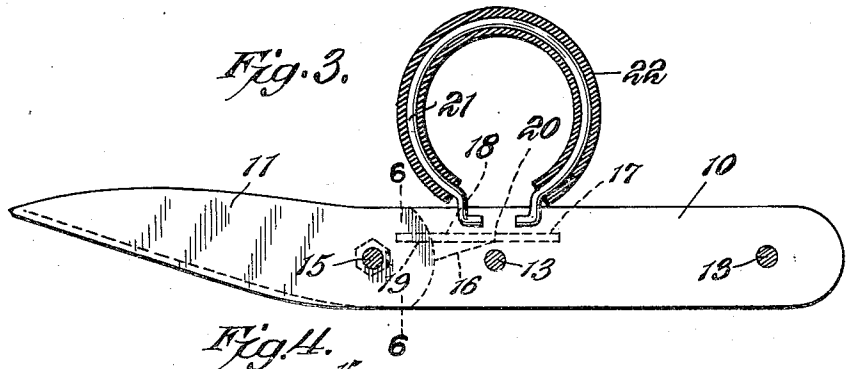


Fig. 4.

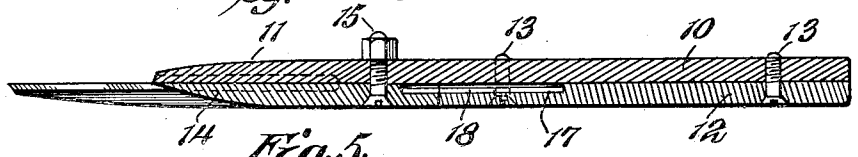


Fig. 5.

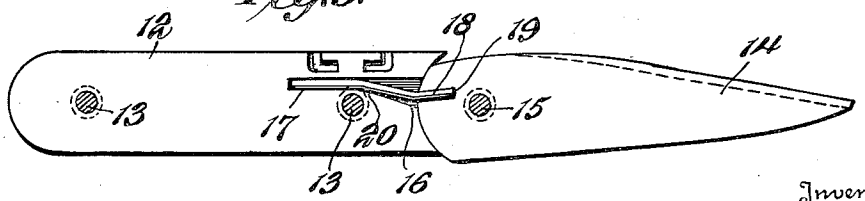
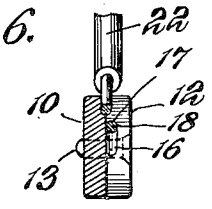


Fig. 6.



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THREAD CLIPPER

Willard V. Hershey, Fremont, Ohio

Application April 26, 1934, Serial No. 722,556

4 Claims. (Cl. 30—14)

This invention relates to an improved thread clipper which is of the greatest utility in textile mills for clipping the threads when threading looms. It can also be used to advantage wherever sewing is done on a commercial scale and even in home sewing.

The object of the invention is to provide a clipper of the type specified which is of simple and inexpensive construction and which may be handled with the utmost facility. With this end in view, the clipper comprises a relatively fixed blade which constitutes an extension of the handle and a cooperating spring held blade which is pivoted thereto and normally held open and which may be closed in opposition to the spring tension by a mere pressure between the fingers. For convenience in manipulating the clipper, a finger ring is anchored in the handle.

The specific construction of the invention, in its preferred form, and the advantages thereof will be more particularly described with reference to the accompanying drawing, in which,—

Figure 1 is a side elevation of the invention.

Figure 2 is a plan view of the same with the finger ring cut away.

Figure 3 is a central longitudinal section, with the relative location of the spring and spring recess shown in dotted lines.

Figure 4 is a section taken on the line 4—4 of Figure 1.

Figure 5 is a section taken on the line 5—5 of Figure 2.

Figure 6 is a section taken on the line 6—6 of Figure 3.

As illustrated in the drawing, the clipper, to which the invention relates, comprises a handle made in two sections. One section 10 is prolonged at its forward end to form a relatively fixed blade and the other section 12 is secured to the section 10 by screws 13 or other suitable means. A second blade 14 is pivotally connected at 15 to the blade 11 in shearing relation thereto and the adjacent ends of the blade 14 and handle section 12 meet on an arcuate line struck about the pivot 15 as a center.

The front end of the handle section 12 is formed with a recess 16. The bottom or inner end of this recess is of reduced size, as shown at 17, so that one end of the spring 18 fits therein. The other end of the spring fits within a recess 19 formed in the rear end of the pivoted blade 14. The recess 19 is approximately in alinement with the inner end of the recess 16 when the blade 14 is in open position. The spring 18 is normally straight and tends to hold the blades open. When the blades are closed by pressure of the operator's fingers, the spring is flexed about the shoulder 20 and is tensioned so that it tends to open the blades.

A finger ring 21, which is preferably covered with rubber or similar material 22, is anchored in the handle when the sections of the handle are secured together.

In using this nipper, it is held in the operator's hand with one of the operator's fingers in the ring 21. The blades are closed by pressure of the fingers, and as soon as the pressure is relieved, the blades are opened by the spring 18. The blade 11 is preferably integral with the handle section 10 and is, of course, relatively stationary, while the blade 14 moves to open or close the nippers.

These nippers are of the greatest value for clipping the threads when threading looms, but they may be used, of course, to cut threads when sewing and for many other purposes. The details of construction may also be considerably modified without departing materially from the scope of the invention as claimed.

I claim:

1. A clipper comprising a handle, a relatively stationary blade constituting an extension of one side of the handle, a pivoted blade cooperating with the relatively fixed blade, a normally straight spring urging the pivoted blade toward open position, the handle and the pivoted blade being formed with alined recesses receiving the ends of the spring, the handle recess being enlarged adjacent the inner end of the blade to form a shoulder about which the spring is tensioned as the pivoted blade closes.

2. A clipper comprising a handle, a blade fixed with relation to the handle, a second blade pivoted with relation to the first blade and in shearing relation thereto, a normally straight spring urging the pivoted blade toward open position, the handle and the inner end of the pivoted blade being formed with alined recesses receiving the ends of the spring, and a shoulder about which the spring is flexed as the pivoted blade is closed.

3. A clipper comprising a handle having two superposed sections rigidly secured together, a relatively fixed blade constituting a longitudinal prolongation of one of said sections, a second blade pivoted with respect to the first blade and in shearing relation thereto and disposed in the same plane as the second handle section, a spring urging the second blade toward open position, the pivoted blade and the second handle section having opposed recesses in their adjacent ends

receiving the ends of said spring, and a shoulder about which the spring is flexed as the pivoted blade is closed.

4. A clipper comprising a handle, a blade fixed with respect to the handle, a second blade pivoted with respect to the first blade and in shearing relation thereto, a normally straight spring urging the pivoted blade toward open position, the handle and the inner end of the pivoted blade being formed with alined recesses receiving the ends of the spring, a shoulder about which the spring is flexed as the pivoted blade is closed, and a finger ring anchored in said handle.

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