L. T. CONROW.

STRIPPER OR CUTTER FOR EMBROIDERY, TUCKING, AND SIMILAR MATERIAL.

APPLICATION FILED FEB. 13, 1909.

944,019. Patented Dec. 21, 1909.

Fig. 3.

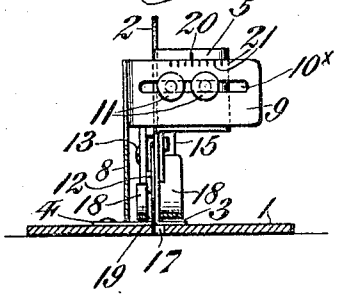


Fig. 1.

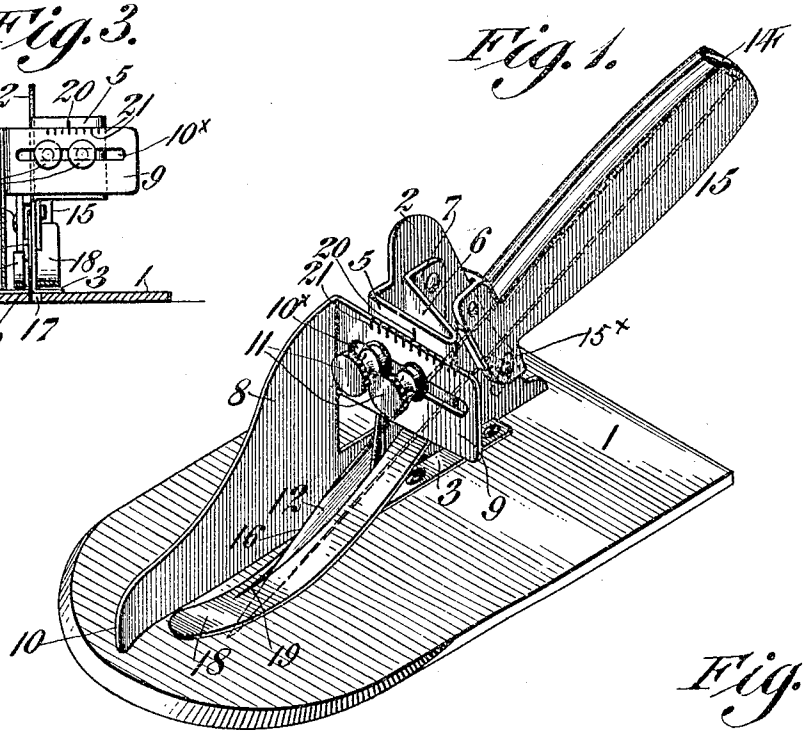


Fig. 4.

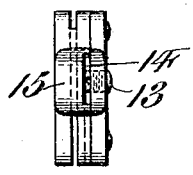


Fig. 2.

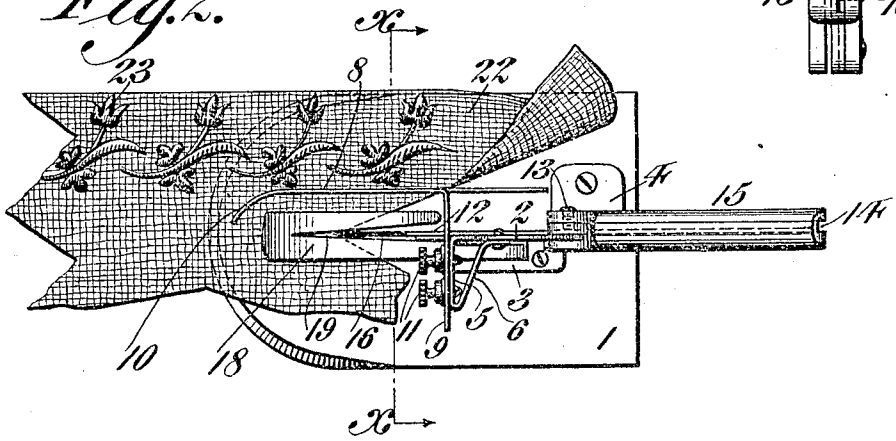
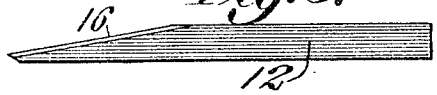


Fig. 5.



Witnesses

L. Douville,

P. F. Nagle.

Inventor

Louis T. Conrow.

By Wiedersheim & Fairbanks.

Attorneys

UNITED STATES PATENT OFFICE.

LOUIS T. CONROW, OF PHILADELPHIA, PENNSYLVANIA.

STRIPPER OR CUTTER FOR EMBROIDERY, TUCKING, AND SIMILAR MATERIAL.

944,019. Specification of Letters Patent. Patented Dec. 21, 1909.

Application filed February 13, 1909. Serial No. 477,571.

To all whom it may concern:

Be it known that I, LOUIS T. CONROW, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Stripper or Cutter for Embroidery, Tucking, and Similar Material, of which the following is a specification.

My invention relates to a new and useful stripper or cutter for embroidery, tucking and similar material and consists in providing a knife with means for properly directing the material to the severing edge thereof and a guide against which the embroidery or tucking contacts in order that the material is severed at the proper distance from the embroidery, tucking or similar material as desired.

It further consists in adjustably mounting the guide whereby different widths or distances from the embroidery, tucking or suitable material may be severed.

It further consists of other novel features of construction, all as will be hereinafter fully set forth.

Figure 1 represents a perspective view of a stripper or cutter embodying my invention. Fig. 2 represents a plan view thereof, showing the material in the act of being severed. Fig. 3 represents a sectional view on line x—x, Fig. 2. Fig. 4 represents a rear end view of the adjustable knife holder and handle employed. Fig. 5 represents a side elevation of a form of adjustable knife which may be employed.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, I have found in practice in stripping or severing embroidery, tucking and similar material that it is extremely difficult to obtain a straight cut when done by hand and a considerable amount of time is required to make the cut in this way, since it is necessary that the operator measure carefully the distance from the embroidery, at certain intervals thereon, in order to insure that the strip is of the required size. My invention is designed to overcome these defects and in the drawing, I have shown a construction which I have found in practice operates successfully but it is to be understood that the arrangement of the parts may be varied and other instrumentalities may be employed which will come within the scope of the invention and I do not therefore desire to be limited in every instance to the exact form as herein shown and described but desire to make such changes as may be necessary.

1 designates a base or plate which may be of any style or size and to which is secured, in any suitable manner, a standard 2, which in the present instance is secured to the base 1 by oppositely extending ears 3 and 4 through which the fastening means passes.

5 designates a support or arm which in the present instance is integral with the standard and extends angularly therefrom. In the present instance I show the end of said arm bent backwardly, as at 6, forming a brace and provided with a flange 7 which is connected with the standard 2 in any suitable manner but this may not be necessary in all cases.

8 designates a guide which is provided with the bracket arm 9 having a slot 10^{x}, said guide having a curved front end 10.

11 designates set screws seated in the slot 10^{x} which engage with suitable openings in the arm 5 for holding the guide 8 in its proper position it being understood that by releasing said set screws 11 or other device the position of the guide 8 may be varied toward or away from the standard 2.

12 designates an adjustable knife which is adapted to be connected with the standard 2 or the handle in any suitable manner, in order to properly present the severing edge to the material. In the present instance the knife 12 is locked in position with the handle by a set screw 13, said knife passing through a suitable slot or opening 14 in a handle 15 which is adjustably or otherwise connected to the standard 2, it being noted more particularly in the present instance that I have formed the handle in two parts for ease of assembling the parts, although any form of handle may be employed and the knife may be connected with the handle 2 in any desired or suitable manner. In the present instance, I have shown the handle as rendered adjustable by means of the curved slot 15^{x} seen in Fig. 1, but this is only one of the many ways in which the necessary adjustment may be obtained. The knife 12 is preferably provided with an angularly extending cutting edge 16 and is so positioned, in the present instance, that the

end thereof is seated in an opening 17 formed in the plate 1, so that it will be impossible for the material, which is fed upon the plate 1, to pass beneath the point of the knife but it will always be positively presented to the cutting edge thereof.

18 designates an adjustable presser foot or shield which is provided with a suitable upwardly curved end portion and which is connected with the standard 2 in any suitable manner, said presser foot having a slot 19 in which is seated the knife 12. I preferably at a suitable point on the guide provide a scale or indicator in order to permit of the positive adjustment of the guide 8 so that the distance from the embroidery to the line of severing can be accurately determined. For this purpose in the drawing, I have shown a marking 20 on the support 5 and a scale or indicator 21 on the bracket 9 of the guide 8 so that if it is desired to sever the material at one-quarter or one-half inch or other distance from the embroidery or other materials, the adjustable guide can be properly set and locked in this position by the set screws 11.

As stated, the handle is preferably adjustably mounted upon the standard 2 in order that the position of the handle may be varied thus changing the position of the knife making it adjustable also whereby the severing edge of the knife can be presented to the material to be cut at varying angles depending upon the material to be severed.

The operation of the device will be readily apparent. The material 22, upon which is the embroidery or other work 23, is passed beneath the curved end 10 of the adjustable guide 8 and beneath the upwardly curved end of the adjustable presser foot or shield 18, the embroidery, tucking or other material 23 being drawn against the exterior side of the guide 8. This will direct the material at the proper point against the knife edge 16 of the knife 12 and the material will be severed. The operator continues to draw upon the material causing the guide at all times to contact with the tucking or other material 23 so that the material is severed by the knife in a straight line and with great rapidity.

It will of course be understood that after a sufficient amount of material has been severed to permit the same to be engaged or secured at a point at the back of the stripper or cutter the operator can push the stripper or cutter in advance at an extremely rapid rate. In this manner a very large amount of material can be severed in an exceedingly short time and with positive accuracy.

It will be understood that before the severing is started the guide 8 is adjusted, as previously described, to the desired point in order that the adjustable knife will sever the material at the desired distance from the embroidery, tucking or other material.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. In a device of the character stated, a plate having a longitudinally disposed opening therein, a standard rising from the plate, a vertically disposed guide having a lateral portion adjustably secured to said standard, a presser foot supported from said standard and a relatively fixed knife supported from said standard and coöperating with said presser foot and the opening in the plate.

2. In a device of the character stated, a plate having a longitudinally disposed opening therein, a standard rising from the plate, a vertically disposed guide having a lateral portion adjustably secured to said standard, a presser foot supported from said standard and a relatively fixed knife supported from said standard and coöperating with said presser foot and the opening in the plate and extending through an opening in the presser foot, said knife being supported in an inclined position.

3. In a device of the character described, a plate having an opening therein, a guide having a vertical portion with a curved end, a presser foot having an upwardly curved end portion, means for supporting the same from said plate, and an inclined relatively fixed knife having its end projecting into the opening of said plate and extended beneath the presser foot, said presser foot having a slot through which the knife extends.

4. In a device of the character described, a plate having an opening therein, a guide having a vertical portion with a curved end, a presser foot having an upwardly curved end portion, means for supporting the same from said plate, and an inclined relatively fixed knife having its end projecting into the opening of said plate and extended beneath the presser foot, said presser foot having a slot through which the knife extends, means for adjusting said guide, and means for adjusting the knife.

5. In a device of the character described, a plate, a standard rising therefrom, a knife adjustably supported upon said standard in an inclined position, a presser foot connected with said standard and beneath which said knife passes, and a guide supported upon said standard substantially parallel with the presser foot and having a curved point and adjustably mounted with relation to the knife and presser foot.

6. In a device of the character described, a plate, a standard rising therefrom, a knife adjustably supported upon said standard in an inclined position, a presser foot connected with said standard and beneath which said knife passes, and a guide supported upon said standard substantially parallel with the

presser foot and having a curved point and adjustably mounted with relation to the knife and presser foot, said presser foot having an upwardly curved end portion and a slot through which the knife extends.

7. In a device of the character described, a plate, a standard rising therefrom, a knife adjustably supported upon said standard in an inclined position, a presser foot connected with said standard and beneath which said knife passes, and a guide supported upon said standard substantially parallel with the presser foot and having a curved point and adjustably mounted with relation to the knife and presser foot, said presser foot having an upwardly curved end portion and a slot through which the knife extends, and said plate having a longitudinal slot in alinement with the slot of the presser foot and through which said knife extends.

8. In a device of the character described, a base plate, a standard rising therefrom, a knife inclined with relation to the plate and adjustably mounted and having the end thereof seated in a suitable recess or slot in the base plate, a presser foot carried by said standard and having a slot in which the knife is seated and with an upwardly curved forward end beyond said slot, a guide adjustably mounted on said standard substantially parallel with the presser foot and having a curved outer end, and means for adjusting the position of said guide.

LOUIS T. CONROW.

Witnesses:
C. D. McVAY,
F. A. NEWTON.