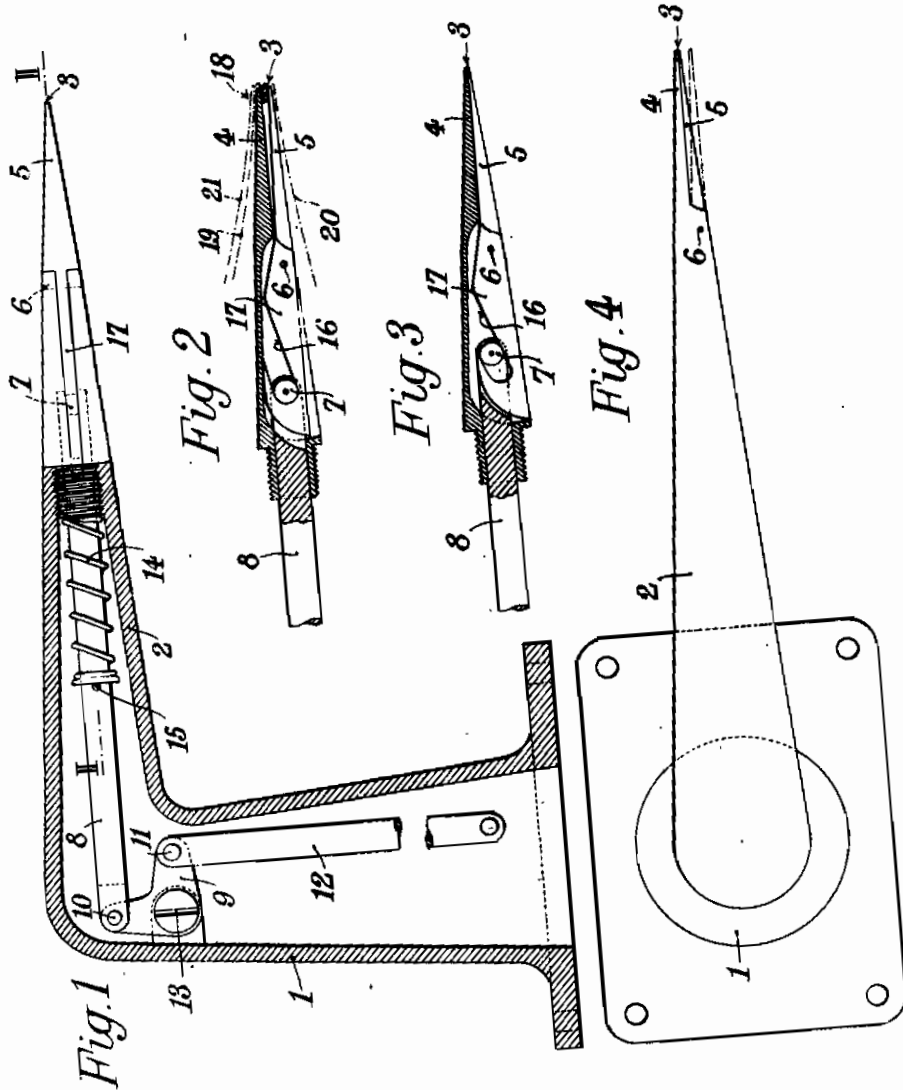


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METHOD AND DEVICE FOR MAKING THE POINTS
OF COLLARS, DETACHABLE COLLARS,
CUFFS AND THE LIKE
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ALIEN PROPERTY CUSTODIAN

METHOD AND DEVICE FOR MAKING THE POINTS OF COLLARS, DETACHABLE COLLARS, CUFFS AND THE LIKE

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The present invention has for object a method for the mass production of the points of collars, as well as a device allowing a rapid and sure production by a simple operation effected by the worker consisting in turning out and forming the point.

It is known that the collar being stitched, that is to say the two strips of fabric of the collar and the stiffening having been assembled by a line of stitching effected on the wrong side of the fabric, it must be turned out on to the right side. For that purpose, use has been made of devices having pliers, with which the collar is nipped before turning it inside out. Said devices have, however, various inconveniences which are remedied by the method and device according to the present invention.

In the pocket formed by the two strips of fabric forming the point of the collar, nippers are introduced which terminate in two thin and pointed noses. One at least of said noses is held spaced from the other, and means are provided so that, when the noses are engaged up to the bottom of the pocket, the noses can slightly nip the extreme point of the collar which has been previously slightly engaged between them. It suffices at this instant, to turn the pocket inside out, then to loosen the noses for the collar to be correctly turned inside out and ready to be finished.

A device will be described hereinafter allowing to effect this nipping of the point of the collar and turning it out in the minimum of time and by a simple operation.

In the accompanying drawing:

Fig. 1 is an elevation of the device, partly in section.

Fig. 2 is a horizontal section of the nippers according to II--II of Fig. 1.

Fig. 3 is a similar view of the nippers in closed position.

Fig. 4 is a top plan view of the device.

The device comprises a hollow frame 1 of bent shape; in the horizontal bend 2, provided at the desired height for working, are secured the nippers 3; said nippers comprise a fixed nose 4 and a nose 5 movable about a fixed pin 6; the portion 17 of nose 5 located behind said pin is provided with a notch 16 forming two rolling inclines for a roller 7 mounted at the end of a rod 8. Said rod is pivoted at 10 on one of the arms of the

right angle member 9, the other arm of which is pivoted at 11 to a vertical rod 12 connected to a control lever or pedal, not shown in the drawing. Said right angle member 9 is loosely mounted on a spindle 13 secured to the frame 1. A returning spring 14 is mounted between an abutment 15 adjustable on the rod 8 and the nippers 3.

The operation of this device is as follows: In position of rest, the spring 14 pulls the rod 8 in the direction opposed to the noses; consequently, the roller 7 rolls towards the bottom of the notch 16, rocking the member 17 towards the right, which has for effect to move the movable nose 5 away from the fixed nose 4.

At this moment the worker fits over said noses the pocket 18 (illustrated in dot and dash lines in Fig. 2) formed by the two thicknesses 19, 20 of the fabric of the point of the collar and the stiffening 21, all three assembled by a line of stitching; when the point of the collar is completely fitted over the nippers 3 (position shown in the drawing), it suffices to engage about 1 or 2 m/m of the fabric at the extreme point of the collar between the noses 4 and 5 which are spaced apart. At this moment the worker operates the control lever or pedal; the bell crank lever 12, 9, 8 pushes the rod 8 forwardly; the roller 7 rolls on the inclines of the notch 16, which has for effect to rock the portion 17 of the movable nippers about the pin 6 towards the left and to clamp the nose 5 against the nose 4. The point of the collar is therefore firmly gripped between the noses of the nippers, as long as the worker actuates the control; it suffices for the latter to grip the pocket 18 and to pull it backwardly for turning the collar inside out. At the end of this operation, the worker ceases to actuate the bell crank lever and the collar is released, the part of the fabric gripped between the noses 4 and 5 forming the point of the collar.

Of course certain details of this device, such as the control of the movable nose, the assemblage of the movable nose or noses, etc. may be modified without departing from the scope of the invention.

The invention is naturally applicable to all kinds of collars, cuffs, wrist-bands, etc., it allows the work to be effected rapidly and surely without any risk of deteriorating the articles the finishing of the points of which is perfect.

GEORGES GERMAIN.