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Patented Jan. 1, 1901.

A. C. SOHLANDER.

RIPPING ATTACHMENT FOR SEWING MACHINES

(Application filed Mar. 15, 1897.)

(No Model.)

Fig. 1.

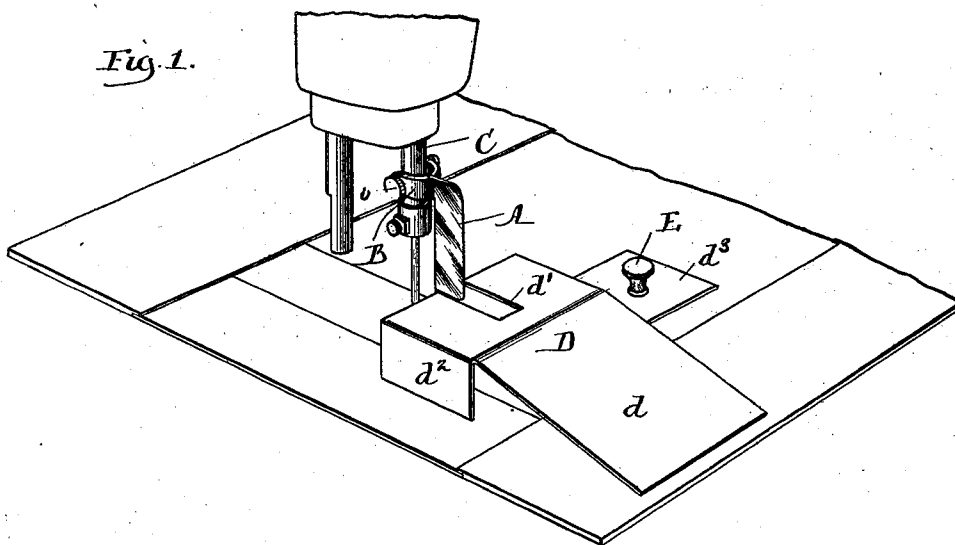


Fig. 2.

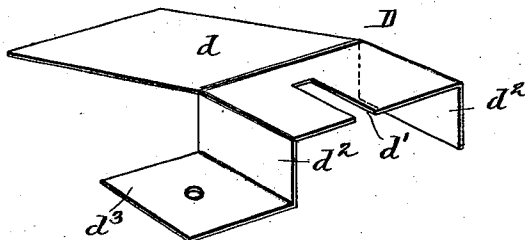
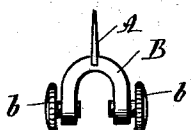


Fig. 3.



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UNITED STATES PATENT OFFICE.

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RIPPING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 664,977, dated January 1, 1901.

Application filed March 15, 1897. Serial No. 627,668. (No model.)

To all whom it may concern:

Be it known that I, ANNA C. SOHLANDER, a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Attachments for Sewing-Machines, of which I do declare the following to be a full, clear, and exact description, sufficient to enable others skilled in the art to make and use the same.

The present invention has for its object to provide a simple and effective attachment for sewing-machines whereby the seams of garments can be quickly ripped; and this object of invention I have accomplished by the novel mechanism hereinafter described, illustrated in the accompanying drawings, and particularly pointed out in the claims at the end of this specification.

Figure 1 is a perspective view showing a portion of a sewing-machine having my invention applied thereto. Fig. 2 is a detail perspective view of the shield that rests upon the bed-plate of the machine. Fig. 3 is a detail plan view of the ripping-knife and means for attaching it to the needle-bar.

In carrying out my invention I provide a knife with suitable means whereby it may be held in place and may be operatively connected with a reciprocating part of the machine, and preferably the knife will be connected to the needle-bar at a point above the needle-holding set-screw. I do not wish my invention to be understood, however, as restricted to the precise details of construction hereinafter described, except as such details are specifically set forth in certain of the claims at the end of this specification.

A designates the ripping-knife, to which is connected a yoke B, adapted to embrace the needle-bar C, and through the yoke B passes one or more set-screws *b*, whereby the yoke will be securely attached to the needle-bar. It will thus be seen that as the needle-bar is reciprocated by operating the treadle of the machine the knife A will have imparted thereto a like reciprocating movement.

With most machines in common use it will be necessary that the knife A should reciprocate entirely above the horizontal plane of the bed of the machine, and in order to hold the work to be ripped clear above the feed-points and within the path of reciprocation of the knife I employ a shield D, that is pref-

erably of the construction illustrated in the accompanying drawings. This shield D is shown as formed from a single sheet of metal having at its front an incline *d* and having its top formed with an open space or slot *d'*, through which the knife A may reciprocate. The ends of the top of the shield D are bent downwardly, as at *d*², to form supports, and one of these downwardly-bent ends is provided with a lateral extension *d*³, through which will pass a set-screw E, whereby the shield will be connected to the bed-plate of the machine. Of course with machines of such construction that the knife A can reciprocate through the bed-plate a longer knife may be employed, and the shield D need not then be used. When a seam is to be ripped, the garment is placed upon the bed-plate, the seam portion resting upon the shield D. Then the operator will grasp the garment at each side of the seam and push it forward, so that the cutting edge of the knife follows the line of the seam and severs the threads.

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

1. The combination with a sewing-machine, of a ripping attachment consisting of a raised support over which a garment to be ripped may be passed, said support being provided with a slot or opening through which a ripping-knife may reciprocate, of a ripping attachment comprising a knife having a vertical cutting edge and having rigidly connected to its upper end means whereby said knife is detachably connected to the needle-bar in close proximity to and immediately in front of the needle whereby the ripping action may be carried on irrespective of the presence of a needle.

2. A ripping attachment for sewing-machines, consisting of a knife having a vertical cutting edge, a yoke rigidly connected to the upper part of the rear edge of said knife and adapted to partially encircle the sewing-machine needle-bar, and means for detachably clamping said yoke and knife centrally to the front of the needle-bar above the needle-holding collar.

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Witnesses:

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