

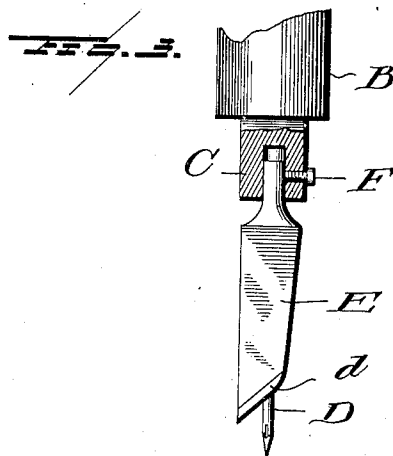
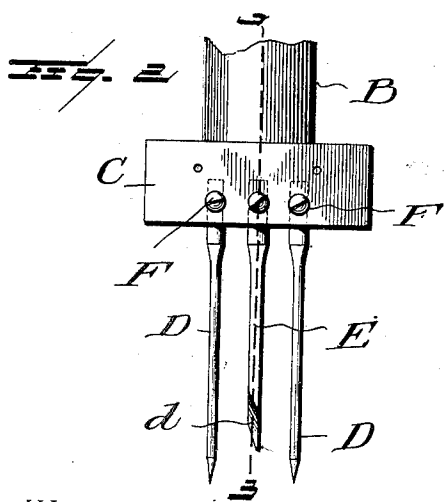
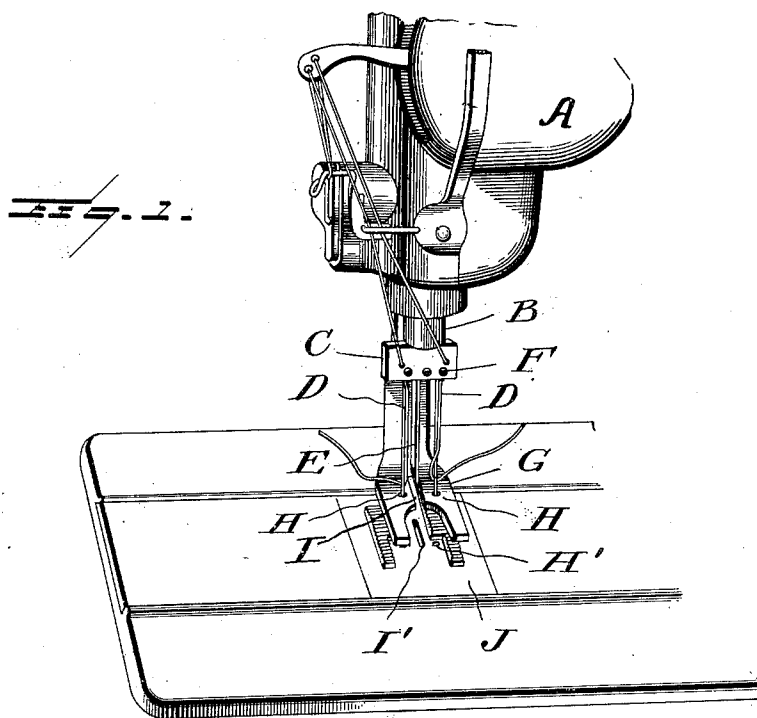
No. 660,617.

Patented Oct. 30, 1900.

B. BISSINGER.
SEWING AND CUTTING MACHINE.

(Application filed Sept. 7, 1897.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

BENJAMIN BISSINGER, OF CHATTANOOGA, TENNESSEE.

SEWING AND CUTTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 660,617, dated October 30, 1900.

Application filed September 7, 1897. Serial No. 650,868. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN BISSINGER, a citizen of the United States, residing at Chattanooga, in the county of Hamilton and State of Tennessee, have invented a certain new and useful Attachment to be Applied to Sewing-Machines, of which the following is a specification.

My invention relates to cutting attachments for sewing-machines, and has for its object to produce such an attachment by means of which pocket or like openings may be cut in the cloth or other material operated upon and the edges of the opening simultaneously stitched or bound.

In the drawings, Figure 1 is a perspective view of so much of a sewing-machine as is necessary to illustrate my invention having my improved attachment applied thereto. Fig. 2 is a front view of the lower end of the needle-bar detached and drawn to a larger scale than Fig. 1. Fig. 3 is a sectional view taken on the line 3 3 of Fig. 2.

In the drawings, A represents the head of a sewing-machine, which may be of any approved type or construction and in which is arranged the reciprocating needle-bar B. At the lower end of the needle-bar there is arranged a cross-head or holder C for the needles D D and the cutter E. The cross-head is preferably removably attached to the needle-bar and is provided with suitable openings for the needles and the knife or cutter, and the latter are secured in the cross-head or holder by binding-screws F or other preferred securing means.

G represents the presser-foot, which is perforated at H H for the passage of the needles and is formed with a slot I, through which works the blade or cutter E. The throat-plate J is provided with apertures H' H', corresponding in position with the apertures H in the presser-foot, and with the slot I', corresponding in position with the slot I in the presser-foot.

The two needles D D are arranged in a vertical plane which is at right angles to the direction of the feed of the machine, and the cutter-bar is mounted between the needles and has its cutting edge lying in a vertical plane which is at right angles to the vertical plane including the needles and in position

to be intersected by the said plane of the needles, which plane, as stated, is at right angles to the direction in which the material is fed when being operated upon. The cutting-blade is easily removable and is preferably shorter than the needles, and its cutting edge *d* is arranged at such an angle to the plane of the material to be cut that it severs the cloth with a shearing action.

The attachment which I have described is adapted for the cutting and sewing or binding of pocket-openings in the manufacture of cloth, and particularly in the construction of pockets made according to my Patents Nos. 503,363 and 584,844. In the making and binding of such openings it is very desirable that the lines of stitching which are on each side of the opening cut should be both parallel with the incision and also conterminous therewith, and the arrangement of the needles and the cutter in the holder C as described and shown is for the purpose of producing the desirable result above set forth.

In using a sewing-machine provided with my invention in the making of a pocket such as referred to the garment or cloth is placed in position upon the cloth-plate of the machine with the outside surface uppermost. The welt-piece, the facing, and the pocket-blank are next placed in position at the point where it is desired to form the pocket and the presser-foot lowered thereon. The machine being started, the material is fed to the cutting and stitching mechanism, the knife-blade cutting a continuous incision therein and the needles forming a row of stitching on each side thereof, parallel to and conterminous with such incision. The welt-piece and facing may then be turned in through the pocket-opening in the manner described in my said Letters Patent and again sewed from the inside, the blade D being during this operation removed, so that the needles alone may operate. The corners of the pocket may then be stitched and stayed in any desired manner.

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

A pocket-cutting attachment for sewing-machines, comprising in combination with a suitable needle-bar, presser-foot, and throat-plate, a cross-head or support carried by the

needle-bar, a pair of needles mounted in such support and arranged in a vertical plane which is at right angles to the line of feed of the material, and a removable cutter-blade mounted
5 between the needles and having its cutting edge lying in a vertical plane at right angles to the plane of the needles and in position to be intersected by the vertical plane including the needles, whereby the said attachment is

adapted to cut a longitudinal pocket-opening 10 in the material being operated upon, and to form conterminous parallel lines of stitching on each side of the said opening, substantially as set forth.

BENJAMIN BISSINGER.

Witnesses:

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