No. 688,457. Patented Dec. 10, 1901.

J. D. BERGER.

DEVICE FOR CLAMPING AND CUTTING FABRICS.

(Application filed Apr. 17, 1901.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.

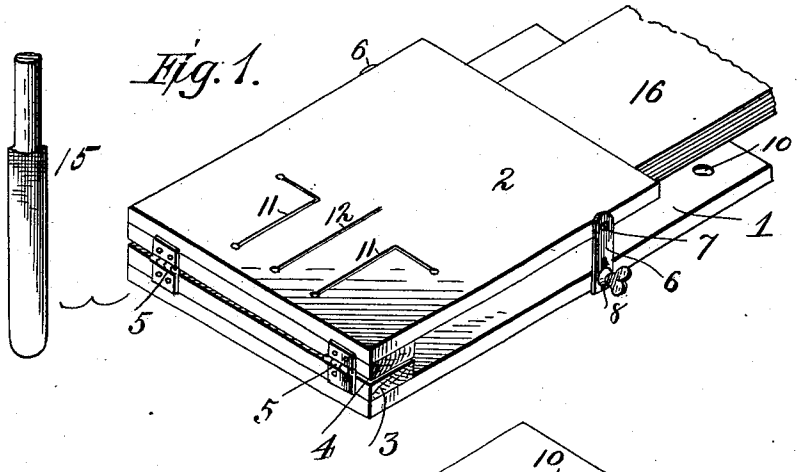


Fig. 2.

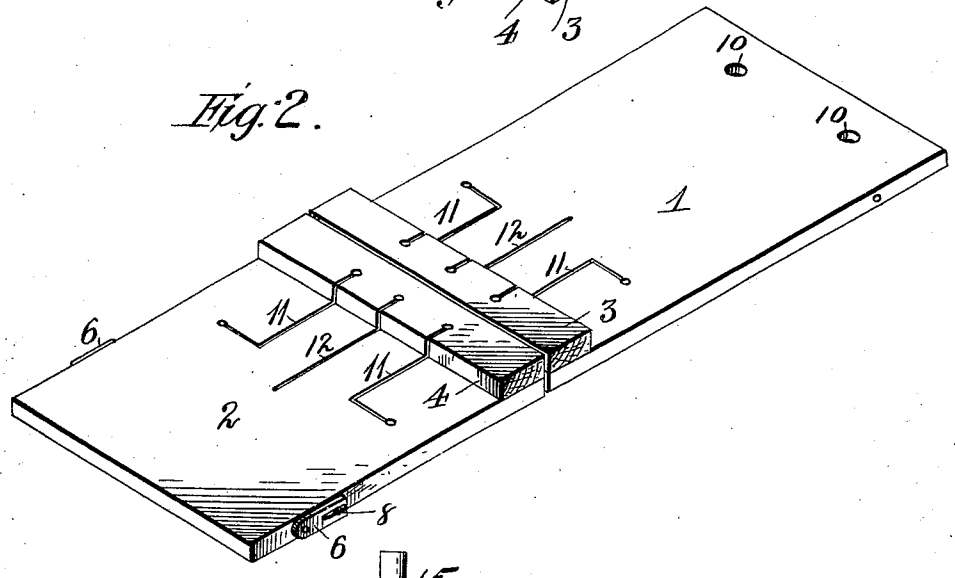
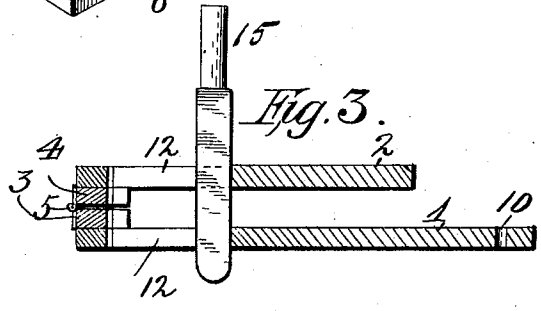


Fig. 3.



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Fig. 4.

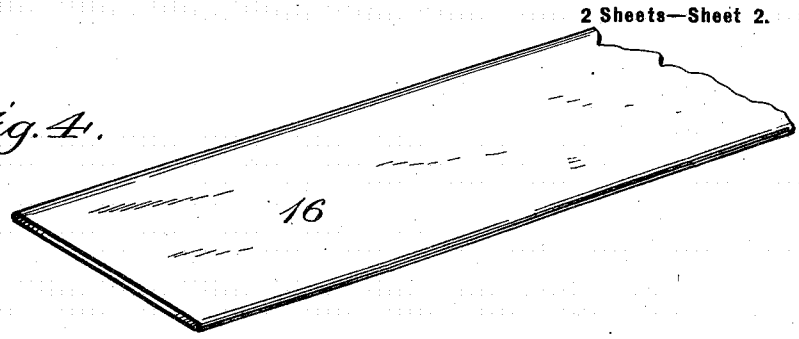


Fig. 5.

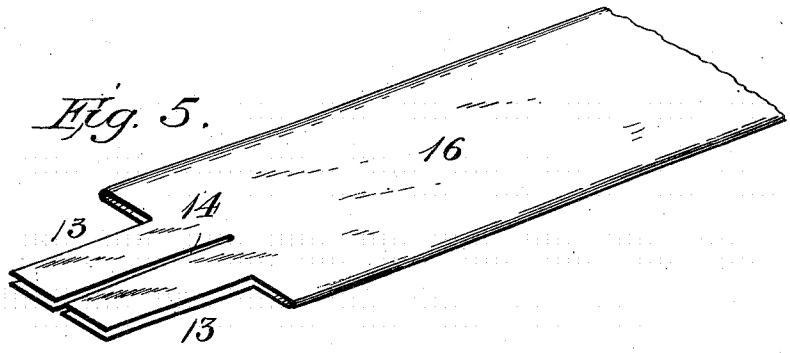
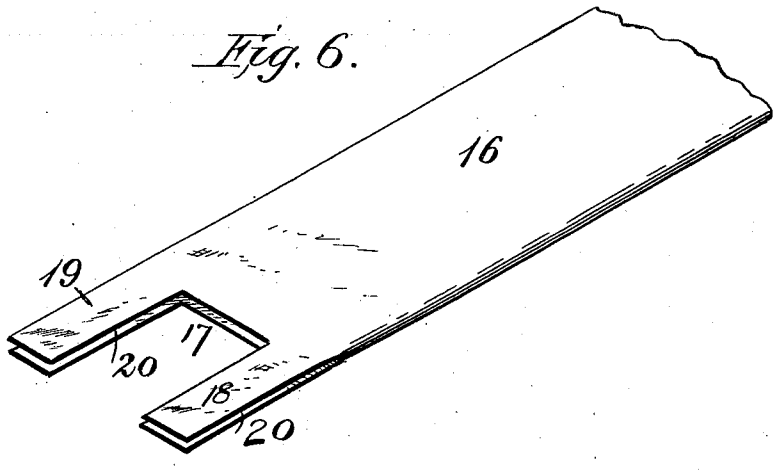


Fig. 6.



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UNITED STATES PATENT OFFICE.

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DEVICE FOR CLAMPING AND CUTTING FABRICS.

SPECIFICATION forming part of Letters Patent No. 688,457, dated December 10, 1901.

Application filed April 17, 1901. Serial No. 56,231. (No model.)

To all whom it may concern:

Be it known that I, JOHN D. BERGER, a citizen of the United States, residing at Schuylkill Haven, in the county of Schuylkill and State of Pennsylvania, have invented certain new and useful Improvements in Devices for Clamping and Cutting Fabrics; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to devices for cutting fabric or other material for making garments or like articles; and it consists in certain improvements in construction, which will be fully disclosed in the following specification and claims.

In the accompanying drawings, which form part of this specification, Figure 1 is a perspective of the device in position for use; Fig. 2, a like view showing the device open to receive stock to be cut; Fig. 3, a vertical longitudinal section; Fig. 4, a perspective of a section of fabric before being cut; Fig. 5, a like view of the fabric after it has been cut, and Fig. 6 a like view of the same folded to be sewed and form an undershirt.

Reference being had to the drawings and the numerals thereon 1 indicates the bottom or base, and 2 the top or cover, of the device for clamping and cutting fabric or other material, 3 a transverse bar or reinforce at one end of the bottom, and 4 a like bar at the same end of the top. The thickness of these bars determines the distance between the two parts 1 and 2 and the number of layers of fabric or folds of cloth or other material that can be placed between them and held securely while they are being cut, and the said two parts are movably secured together by hinges 5 5, secured to said bars to permit them to be opened, as shown in Fig. 2, to lay the goods to be cut in position on the bottom, with the inner end of the goods against the inner edge of the bar 3.

6 6 represent bars pivotally attached to the sides or edges of the top 2 by a pin 7, and the slot 8 in said bars engages a clamping-screw 9 on each edge of the bottom 1 for clamping or securing the goods between the top and bottom while they are being cut, or the operator may press upon the top 2 with one hand while the work of cutting is being done with the other hand.

The bottom 1 may be provided with holes 10, by which the device may be secured to a table by means of bolts or screws, and in the top and in the bottom directly opposite each other or in the same vertical plane are incisions or slots 11 11, right-angled in form, and an incision or slot 12, intermediate the slots, is straight. The former slots cut out a rectangular piece on each side of the fabric, as shown at 13 in Fig. 5, and the slot 12 makes the incision 14, which extends beyond the right-angled or rectangular cut.

15 indicates a cutting implement which engages the slots in the top 2 and the bottom 1 and is thereby guided on both the upper and the lower sides of the goods or material being cut and prevents deflection of the cutting implement and consequent irregularity in the incision made in the goods. The cutting implement is inserted at either end of the right-angled slots and drawn toward the other member of the slot and in the outer end of the straight slot and drawn toward the inner end. In this instance of the use of the device the fabric is in tubes 16, flattened, as shown in Fig. 4, and the incision made in the fabric through the slots 11 cuts out the material to form the front and back of the neck of a garment, as shown at 17, and in conjunction with the incision 14 made through the slot 12 the shoulder-straps 18 and 19 and the armhole 20 are formed, as shown in Fig. 6.

The contour of the slots 11 and 12 is varied to suit the different styles and sizes of garments required, and it is obvious that in cutting other garments the slots may be varied and other slots supplied to suit the garment without departing from the spirit of my invention.

To cut drawers or union garments, it is necessary only to provide additional slots or incisions for cutting the legs and other parts of the garment.

After the fabric has been cut as described it is removed from the clamping and cutting device and each tube folded at a right angle to the position in which it was cut, the shoulder-straps joined at their adjacent ends, and the garment finished in the usual manner.

Having thus fully described my invention, what I claim is—

1. A device for clamping and cutting fabric or other material, having a bottom and a top provided with slots or incisions opposite each other, means extending across the device at one end for separating the bottom and the top to receive multiple layers of the fabric and against which the fabric rests while being cut, and a cutting implement engaging the slots in the top and bottom.

2. A device for clamping and cutting fabric or other material, having a bottom and a top movably connected and each provided with slots or incisions of the same contour and opposite each other, means extending across the device at one end for separating the bottom and the top to receive multiple layers of the fabric and support one end thereof while being cut, and a cutting implement engaging the slots in the top and the bottom.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN D. BERGER.

Witnesses:
O. H. STRUNCH,
HARRISON BERGER.