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GARMENT CUTTER'S CLAMP.  
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1,289,416.

Patented Dec. 31, 1918.

Fig. 1.

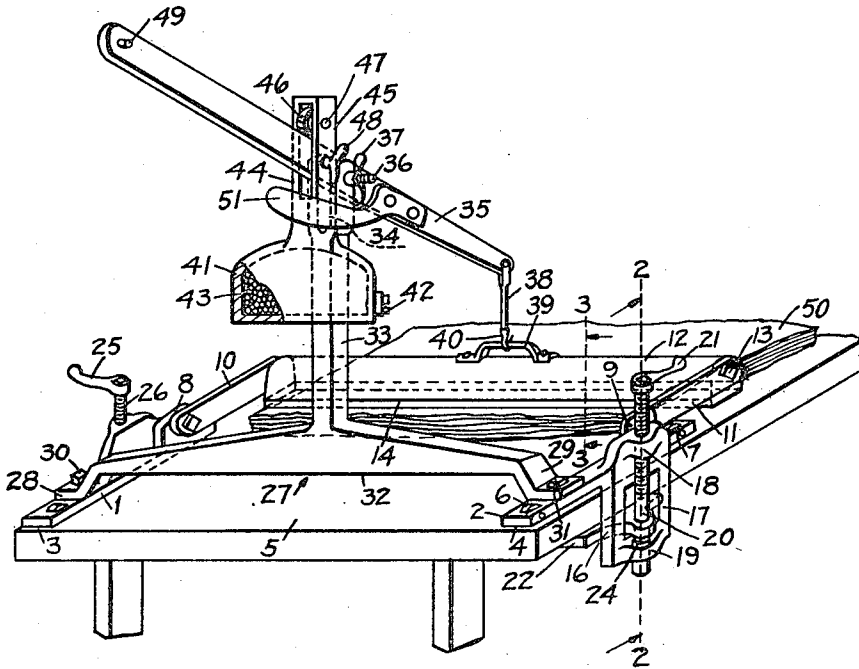


Fig. 2.

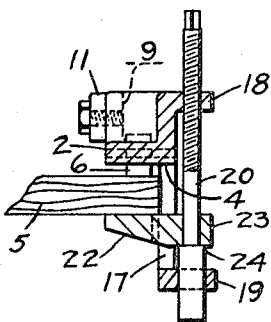
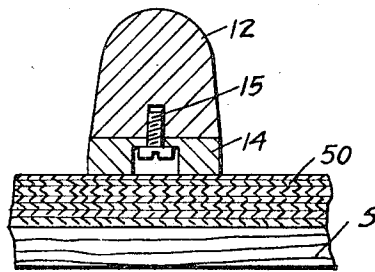


Fig. 3.



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# UNITED STATES PATENT OFFICE.

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## GARMENT-CUTTER'S CLAMP.

1,289,416.

Specification of Letters Patent.

Patented Dec. 31, 1918.

Application filed March 23, 1918. Serial No. 224,325.

*To all whom it may concern:*

Be it known that I, LOUIS ELLENBOGEN, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Garment-Cutters' Clamps, of which the following is a specification.

My object is to make an improved garment cutter's clamp and my invention consists in the novel features herein shown, described and claimed.

Figure 1 is a perspective of a garment cutter's clamp embodying the principles of my invention.

Fig. 2 is a fragmentary vertical sectional detail on the line 2—2 of Fig. 1.

Fig. 3 is a fragmentary cross-section on the line 3—3 of Fig. 1.

The track plates 1 and 2 are adapted to fit with their lower faces 3 and 4 adjacent to the upper face 5 of the table. Rollers 6 and 7 are mounted in vertical recesses near the ends of the plate 2, there being horizontal spindles through the plate and through the rollers so that the rollers will run upon the face 5 of the table and support the plate clear of the table. The plate 1 is provided with similar rollers. Bearings 8 and 9 extend upwardly from the forward ends of the plates 1 and 2 and links 10 and 11 are pivotally connected to these bearings. The clamping bar 12 is pivotally connected between the forward ends of the links 10 and 11 by pivot bolts 13. The clamping bar 12 is a heavy cast iron bar and a facing 14 of sponge rubber or the like is placed against the lower face of the bar and held in place by cap screws 15, the heads of the cap screws being recessed from the bottom of the facing and the screws being tapped into the bar. Arms 16 and 17 extend outwardly and downwardly from the center of the plate 2 past the edge of the table. A bearing 18 extends outwardly from the upper ends of the arms 16 and 17 and a bearing 19 extends outwardly from the lower ends of the arms 16 and 17. The clamping screw 20 is inserted upwardly through the bearing 19 and screw-seated through the bearing 18, there being a handle 21 upon the upper end for operating the screw. The movable clamping jaw 22 is adapted to fit under the table and has a bearing 23 extending outwardly between the arms 16 and 17 and the screw 20 is inserted upwardly through the

bearing 23. The lower end of the screw 20 is enlarged to form a shoulder 24 for supporting the bearing 23, so that when the handle 21 is operated in the right direction the jaw 22 is elevated to engage the lower face of the table and clamp the plate 2 rigidly upon the table. In a like manner the plate 1 is clamped upon the table by operating the handle 25 to operate the screw 26. The brace 27 has its ends 28 and 29 off-set downwardly and fitting upon the plates 1 and 2, and said ends being held in position by cap screws 30 and 31, so that the lower face 32 of the brace is held elevated from the face 5 of the table and so that the brace connects the plates 1 and 2 together.

A post 33 extends upwardly from the center of the brace 27 and has a bifurcated bearing 34 at its upper end. A lever 35 is pivotally mounted in the bearing 34 upon a screw 36 having a wing-nut 37. A link 38 is pivotally connected to the forward end of the lever 35. A handle 39 is riveted to the upper face of the clamping bar 12 and extends both ways from the center, and a hook 40 upon the lower end of the link 38 removably connects the lever 35 to the clamping bar 12. A hollow weight 41 has a filling and draining plug 42 so that the chamber 43 in the weight may be filled to any desired extent with shot, bullets, or the like, and the filling removed to any desired extent at any time by removing the plug 42. Arms 44 and 45 extend upwardly from the weight 41 close to each side of the lever 35, a roller 46 is mounted between the upper ends of the arms upon a spindle 47, and the roller runs upon the lever 35. A wing-headed set screw 48 is tapped through the arm 45 to engage the side of the lever 35, so that when the weight 41 is moved to or from the post 33 upon the lever 35 the set screw may be manipulated to clamp the arms 44 and 45 to the lever and hold the weight from traveling upon the lever. A stop pin 49 is fixed through the opposite end of the lever 35 from the link 38.

When the stack of cloth 50 is to be placed upon the table, the set screw 48 is loosened and the weight 41 moved backwardly until the arms 44 and 45 engage the stop pin 49. Then the set screw is tightened. The power of the weight 41 will raise the clamping bar 12 from the table and the wing-nut 37 may be tightened to pinch the bearing 34 against the sides of the lever 35. Then the cloth

50 is arranged upon the table and when it is desired to clamp the cloth for stretching and cutting, the operations are reversed to move the weight 41 toward the post 33 and let the bar 12 down upon the cloth. When it is desired to move the clamp upon the table the handles 21 and 25 are operated to release the plates 1 and 2 from the table and then the plates may be moved forwardly or backwardly to the desired position. If it is desired to change the clamp from a right-hand position to a left-hand position it is released from the table and turned end for end.

15 A handle 51 is secured to the lever 35 at a point in front of the pivot screw 36 and extends downwardly and backwardly to a point considerably behind the screw 36, so that when it is desired to raise the clamping bar 12 the rear end of the handle 51 is pressed downwardly thus swinging the rear end of the lever 35 downwardly and allowing the weight 41 to roll backwardly on the lever.

25 Various changes may be made in the details of construction without departing from the spirit of my invention as claimed.

I claim:

1. A garment cutter's clamp comprising plates adapted to be clamped to the edges of a table, links pivotally connected to the plates, a clamping bar pivotally connected between the ends of the links, a brace connecting the plates, a post extending upwardly from the brace, a lever connected to

the upper end of the post at its center, means for connecting the forward end of the lever to the clamping bar, and a weight traveling upon the rear end of the lever.

2. A garment cutter's clamp comprising plates adapted to be clamped to the edges of a table, links pivotally connected to the plates, a clamping bar pivotally connected between the ends of the links, a brace connecting the plates, a post extending upwardly from the brace, a lever connected to the upper end of the post intermediate of its ends, means for connecting the forward end of the lever to the clamping bar, and a hollow weight mounted to travel back and forth upon the rear end of the lever, the weight being adapted to be filled or drained to regulate its power.

3. A garment cutter's clamp comprising plates adapted to be clamped to the edges of a table, links pivotally connected to the plates, a clamping bar pivotally connected between the ends of the links, a brace connecting the plates, a post extending upwardly from the brace, a lever connected to the upper end of the post at its center, a handle fixed to the lever in front of the pivot and extending downwardly and backwardly beyond the post, means for connecting the forward end of the lever to the clamping bar, and a weight traveling upon the rear end of the lever.

In testimony whereof I have signed my name to this specification.

LOUIS ELLENBOGEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."