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SUPPORTING BASE FOR ELECTRIC SCISSORS

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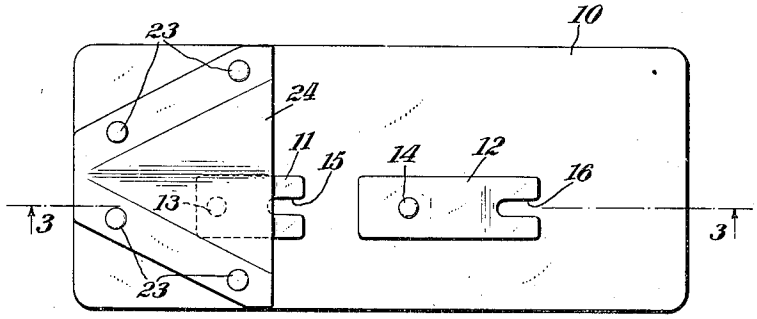

Fig. 1.

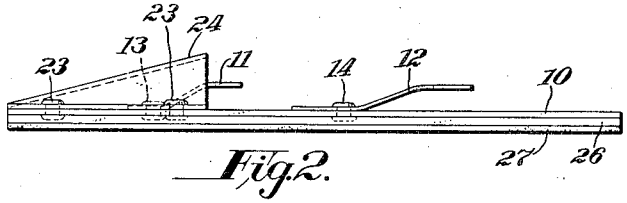

Fig. 2.

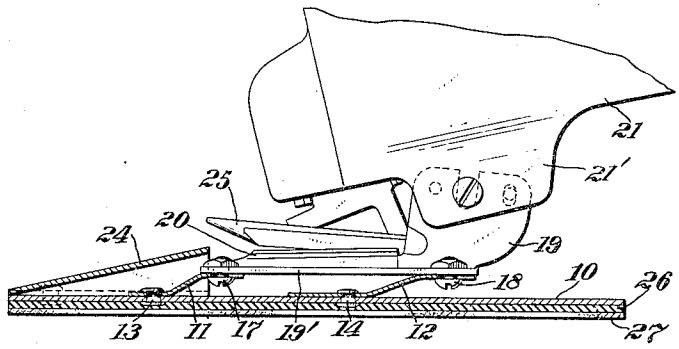

Fig. 3.

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SUPPORTING BASE FOR ELECTRIC SCISSORS

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5 Claims. (Cl. 30—231)

This invention relates to electric scissors and more particularly to supporting bases therefor, and has for one of its objects the provision of a relatively wide base which will support the scissors in an upright position so that they may be readily grasped for use, and on which base the scissors are resiliently supported to reduce vibration and noise when the base rests upon the cutting table.

Another object of the invention is to provide a base which will slide on the surface of the cutting table during the cutting operation to steady the operator's hand, thereby making it possible to more readily cut on a marked line, and in which the cutting operation can be stopped at any point on the line and the scissors left in an operative position, relative to the material to be cut, so that further operation can proceed with the minimum of effort, and without disturbing the material and the pattern resting thereon.

A further object of the invention is to provide means to deflect the material to be cut upwardly between the blades of the scissors, and to arrange the parts so that the base may be readily removed so that the scissors may be used to cut material that is suspended or draped upon a dress form.

With the above and other objects in view as will hereinafter appear, the invention comprises the devices, combinations and arrangement of parts hereinafter set forth and illustrated in the accompanying drawing of a preferred embodiment of the invention, from which the several features of the invention and the advantages attained thereby will be readily understood by those skilled in the art.

Fig. 1 is a top plan view of the supporting base.

Fig. 2 is a side elevation.

Fig. 3 is a section taken along the line 3—3 of Fig. 1 and showing the base attached to the electric scissors.

In the embodiment of the invention selected for illustration, 10 represents a broad flat base made from a piece of sheet-metal, to which one end of each of two longitudinally aligned flat springs 11 and 12 are secured by means of rivets 13 and 14. The free end of the springs are longitudinally slotted or bifurcated at their upper ends as indicated at 15 and 16 to receive the bolts 17 and 18 which pass through suitable apertures in the horizontal flange 19' of the adjustable lower blade 19 carried by the depending frame portion 21' and formed with a cutting edge 20 which coacts with the vibratory upper blade 25 of the electrical shears 21 constructed substantially in accordance with the disclosure of U. S. Patent No. 2,047,483, dated July 14, 1936.

Fixed to the base 10 by means of the rivets 23 is a V-shaped sheet-metal toe-piece 24 which is inclined upwardly to direct the material between the blades 20 and 25 of the scissors. It will be observed that the front end of the lower blade 19 extends below and under the toe-piece 24 so that a smooth and uninterrupted surface is provided for directing the material to the cutting blades. Adhesively applied to the under face of the base 10, which is adapted to rest upon a table, is a thin sheet of soft rubber 26 and to the lower face of the soft rubber there is adhesively applied a layer of felt 27.

The spring arms 11 and 12 are sufficiently strong to support the scissors 21 and at the same time to permit them to vibrate freely so that they will not impart vibration and noise to the base 10. The layer of rubber 26 and felt 27 prevents the base from marring the table on which it is placed, and also acts to absorb vibration and noise.

It will be understood that the base 10 is broad enough and the springs 11 and 12 are so located on the base that the scissors will remain in an upright position at all times so that they may be readily grasped by the user.

The resilient connection between the base and the scissors also permits the operator's hand to wobble or tilt sidewise relative to the direction of movement of the scissors and thus allows the base to rest flat upon the supporting surface at all times. Further if the scissors should inadvertently drop from the operator's hand or accidentally strike the table or support the shock will be absorbed by the springs thereby preventing damage to the scissors.

Having thus set forth the nature of the invention what I claim herein is:

1. A supporting base member for a pair of electric scissors having an upper and lower blade comprising a flat base adapted to rest flat upon a supporting surface and having an upwardly inclined toe-piece which is adapted to receive the front end of the lower blade of said scissors and direct the material to be cut between the blades.

2. A supporting base member for a pair of electric scissors having an upper and lower blade comprising a flat base adapted to rest flat upon a supporting surface and having an upwardly inclined toe-piece which is adapted to receive the front end of the lower blade of said scissors

and direct the material to be cut between the blades, and a resilient member interposed between said base and said scissors.

3. A power operated scissors including a frame, a lower blade mounted on said frame, a vibratory upper blade, a base member, a leaf spring interposed between said base and said lower blade, and means to connect said base member, leaf spring, and lower blade in assembled relation.

4. A power-operated electric scissors having a frame, a lower blade mounted on said frame, a vibratory upper blade, a broad flat base member adapted to support said frame and scissors in an upright position and spring means interposed between said frame and said base to permit vibration and a limited sidewise tilting movement of said scissors without imparting the vibration and sidewise movement to the base, said spring means being attached to the base member and to the lower blade of the scissors.

5. A support for electric scissors comprising a broad flat base member adapted to stably rest upon a supporting surface and having a sound absorbing material applied to its under face, and longitudinally aligned means on the upper face of said base member for removably securing the electric scissors to the base.

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