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A. MICALÉ

3,198,150

SHIRRING FOOT

Filed Oct. 29, 1963

FIG. 1

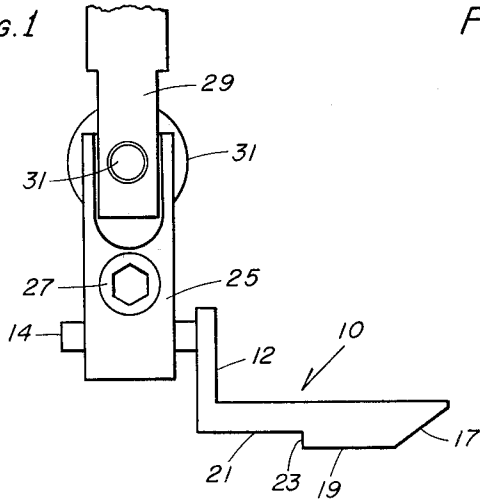


FIG. 2

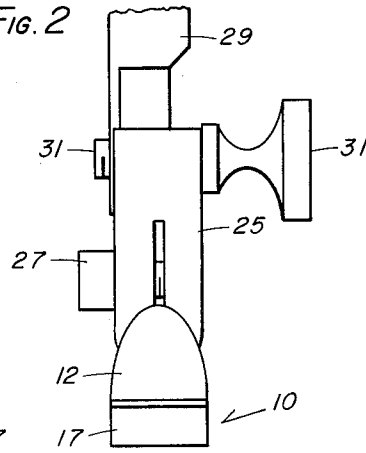


FIG. 3

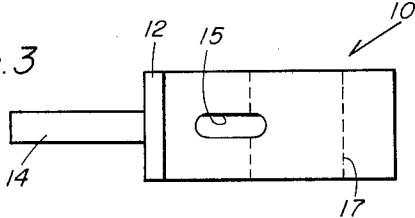


FIG. 4

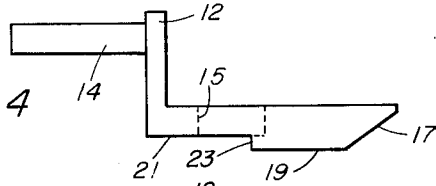


FIG. 5

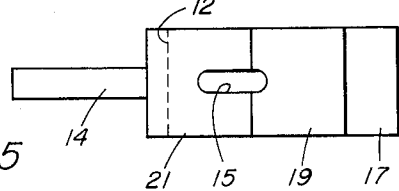
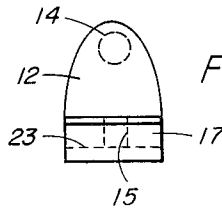


FIG. 6



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1

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SHIRRING FOOT
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This invention relates to a shirring foot for sewing machines.

One of the objects of the invention is the provision of a one-piece shirring foot which is adjustable to provide tight or loose shirring.

Another object is to provide a shirring foot which is accurately adjustable angularly, so that the foot lies flat on the feeder and not at an angle thereto, which latter position cuts fine goods, as silk or nylon, such adjustment being necessary because feeders are more or less often tilted to one side.

The drawings illustrate the invention, and in these:

FIGS. 1 and 2 are respectively side and front elevations of the shirring foot as attached to the foot bar of a sewing machine;

FIGS. 3, 4 and 5 are respectively plan, side, and bottom plan views of the foot; and

FIG. 6 is a view of FIG. 3 from the right end.

Referring to the drawings for a detailed description, the numeral 10 designates the main portion or body of the foot and is termed the foot block. At the rear end of the block there is a riser 12 integral therewith and at right angles thereto, with the sides forming an arch. From the back of the riser, and integral therewith, a cylindrical shank 14 extends rearwardly and horizontally.

The foot block 10 is oblong in plan, and has an elongate hole or needletrack 15 extending depthwise there-through, the elongation being in the direction of the length of the block, i.e., in the front-rear direction.

The bottom surface of the block comprises three sections, namely, an oblique section 17 which is flat and is slanted upwardly to the front edge of the block, a flat, horizontal intermediate section 19 which contacts the sewing machine feeder, and a flat and horizontal rear section 21 which is at a higher level than the intermediate

2

section and is separated therefrom by a rectangular shoulder 23.

The shank 14 is held tight in a split connector 25 by a threaded bolt 27. This connector is the lower end portion of the foot bar 29 but is a separate piece connected to the foot bar at a desired height by a threaded bolt 31.

By regulating the lengthwise position of the shank 14 in the connector 25, the position of the needle in the needletrack 15 may be determined, and this position, in relation to the sections 19 and 21 of the bottom surface of the foot block, determines the degree of shirring.

If the section 19 of the foot block is at even a small sidewise angle relative to the feeder, delicate fabrics will be cut. Therefore, the present foot, by reason of the cylindrical shank 14, may be angularly adjusted in the connector 25 so that the section 19 is not at a sidewise angle to the feeder.

What is claimed is:

A shirring foot, the bottom surface of which has a front upturned portion, an intermediate portion to contact the feeder of a sewing machine, a rear portion at a higher level than the intermediate portion, the foot having depthwise, a hole or needletrack within the limits of the foot, which needletrack is elongate in the front-rear direction, the foot comprising at its rear end a rearwardly extending cylindrical shank for accurate, angular selective attachment to a foot bar in a front-rear direction and also for angular adjustment so that said intermediate portion of the foot may be flat on a machine feeder.

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