My invention, which relates generally to knitting machines, has for its object to provide a threaded guide mounting of such construction that the guides may be swung to different angular positions and held there when adjustments, or replacements of guides becomes necessary, by virtue of which when more than one thread guide set is used on the machine, the front set may be swung out of the way to give easy access to the other set, all without disconnecting the thread guide bars from the machine.

Other objects will in part be obvious and in part will be pointed out hereafter.

To attain the ends of the aforesaid objects and means, invention further resides in the novel details of construction, combinations and arrangement of parts of which will first be described in detail and then be specifically pointed out in the appended claims, reference being had to the accompanying drawing in which—

Fig. 1 is a front elevation of a portion of a knitting machine embodying my invention.

Fig. 2 is a detail cross section on the line 2—2 of Fig. 1.

Fig. 3 is a detail perspective view of one thread-guide-bar carrying arm and a portion of the thread guide bar.

In the drawing in which like parts bear the same reference numbers in all figures, the numbers used are the same as those used for the same parts shown in the drawings of my application, Serial Number 622,321, filed October 15, 1945, of which the application is a division.

The frame of the knitting machine is indicated by 16, the rod which carries resilient thread tensioning plates 75 (forming no part of the present invention) is numbered 73, while 66 is a fixed rod or shaft that has collar 68 (in the preferred construction) having spines 69 to fit grooves in the thread-guide-bar-carrying arms 70.

At least two of such arms 70 are provided and to them is secured a guide bar 121. The thread guides 124 are mounted on the bar 121 in the usual way.

The spines 69 do not extend the entire length of the collars 68 but extend far enough to permit racking to take place without sliding the arms 70 off the spines onto the unsplined portions of the collars 68. Racking is effected by the action of the usual pattern, wheel 109, mounted at 107, on the roller 149 on the end of the slide rod 148 which is attached to one end of the guide bar 121, and a spring 151, which is anchored to the frame 16 and to a bracket 150 on another rod 148 that is attached to the other end of the guide bar 121.

Thread from the beam 80 (whose shaft 81 is mounted in saddles 82) passes over plate 75 to the thread guide 124.

When it is desired to swing a guide bar and its guide about the axis of the shaft 66 and hold them out of the way, the bar 121 may be uncoupled from the rods 148 and moved off the spine onto the smooth part of the collar after which the guide may be swung up around the axis of the shaft 66 to the desired position and then shoved back onto the spines to hold it there.

From the foregoing description taken in connection with the accompanying drawing it is thought the construction, operation and advantages of my invention will be clear to those skilled in the art.

What I claim is:

1. In a knitting machine the improvement which includes: a stationary shaft; at least two arms swivelly mounted on said shaft; a thread guide bar carried by said arms; thread guides on said thread guide bar; means holding said arms against swivelling; and means by virtue of which said thread guides may be racked, said first mentioned means including spines on said stationary shaft and spline grooves in said arms.

2. In a knitting machine the improvement which includes: a stationary shaft, collars mounted on said shaft, said collars each having a smooth portion and a splined portion adjacent thereto, arms mounted to slide on said collars and having spline grooves to receive said spines, a thread guide bar carried by said arms, and means for reciprocating said guide bar and arms within the limits of said spines for racking purposes, said arms when moved beyond the limits of said spines onto the smooth parts of said collars being capable of being turned around the axis of said collars to change the position of said guide bar.

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