

Ribbing Machine-Mechanical Lesson.

152. Before attempting to knit rib-work we would recommend beginners to practice thoroughly without any stitches or work on the machine, all the following operations on the next three pages, three or four, or even ten times ; and after ribber is put on, run the machine and ribber a few rounds without stitches upon either machine or ribber : and repeat the operation of removing and placing the ribber on, until fully understood and speedily done, then proceed to rib-work with only one ribbing needle in the ribber on the front of the machine, to form a rib-back-seam in a plain stocking.

Ribbing with one rib-needle is the simplest possible ribbing lesson, and enables the operator without complication, to thoroughly observe the full operation of the ribber in forming the rib stitch. More can be learned in ten minutes by knitting with one rib-needle in the ribber, than would be possible in an hour attempting to rib with all the needles in ribbing-dial.

153. Ribber tension or length of stitch on all our ribbing machines is regulated by ribber-tension-cam by means of a thumb-screw on top of ribber-cam-plate. Moving the thumb-screw and tension-cam inward toward the centre, effects a long loose stitch, or open work, and moving it outward effects a short tight stitch, or close work.

It is very important to watch the distance the rib-needles draw into the dial, in regulating the length of the stitch on all ribbing machines. See ribber-tension indicator on ribber-cam-plate, if on machine.

154. Opening rib-needle latches :



1. Place the two fore fingers of the right hand
2. On top of latch-guide-casting or holder.
3. Place thumb of same hand, directly under
4. The short-knifed-edged-slot found on the inside.
5. And running toward the centre of latch-guide.
6. Press the thumb upwards against the latch-guide,



7. And at the same time turn dial with left hand
8. By means of the lug on bottom of needle dial,
9. Allowing the rib-needles to pass over face of thumb,
10. And their latches to come in contact with the
11. Knife-edge of latch-guide, and be returned back or open.
12. See that all latches have been well and properly opened.

154. Opening hitches as above applies to all machines except "NEW K." cone-dial, "DOLLAR," "KLONDYKE" and "MONEY-MAKER" machines which have no needle-latch-opener, therefore the latches are opened by hand.

155. Rib-needles out of action :

1. To draw rib-needles into dial out of action,
2. Move ribber-switch-cam outward, at same time
3. Turn needle dial to left with left hand,

Rib-needles into action :

4. To remove rib-needles in dial, out into action,
5. Move ribber-switch-cam inward, and at same time
6. Turn needle-dial to left with left hand.

155. The rib-needles are moved out of action before putting the ribber on and moved again into action after ribber is on the machine, and is done in the above manner, except in the "KLONDYKE" and "MONKY-MAKER" ribbers which have no switch-cam on ribber.

156. Regulating ribber-needles centrally. The rib-needles are regulated centrally in all ribber-machines by means of a thumb-screw on the left side of machine-bed.

156. When moving the ribber-needles to the right, press the dial to the right at the same time as turning the regulating-screw, when moving the rib needles to the left, the lock or locks on inside of cylinder, will carry the dial to left without pressing the dial by hand.