

## REVERSING - TRANSFERRING - GARTER BAR AND VERTICAL PATTERN KNITTING

The REVERSING - TRANSFERRING - GARTER BAR is exactly what its name implies... for example... you can...

1. Knit Garter Stitch.
2. Make Darts.
3. Decrease any number of stitches in a row.
4. Make Cables.
5. Knit Eyelet and Lace Patterns.
6. Do Vertical Pattern Knitting using many colors across the width of your knitting.
7. Remove the knitting from the machine.

The Garter Bar consists of 3 sections. The small 49 needle bar is for ease in handling any number of stitches up to 49 and is very handy for making darts in skirts. There are two 100 needle bars. These can be used for working over 100 stitches, or when put together, makes a full 200 needle bar.

There are two sections called Needle Stoppers and they are used for holding (or stopping) the needles while you transfer stitches to the Garter Bar.

The three plastic foam backed strips are used in combination with the Garter Bar for holding strands of colored yarn for Vertical Pattern Knitting. The Clips hold the plastic strips against the bar.

The Garter Bar does not interfere with the use of weights on your machine.

## NEEDLE STOPPER

The Needle Stopper is designed for holding the knitting needles of the knitting machine in alignment and secured so that they will not move.

1. Pull the knitting needles toward you.
2. Place the Stopper over the Butts of the Needles and Sinker Needles (Figure 1).
3. When releasing the Needle Stopper, be sure to release it first from the front side covering the needles, then the back, tilting it up and away from you.

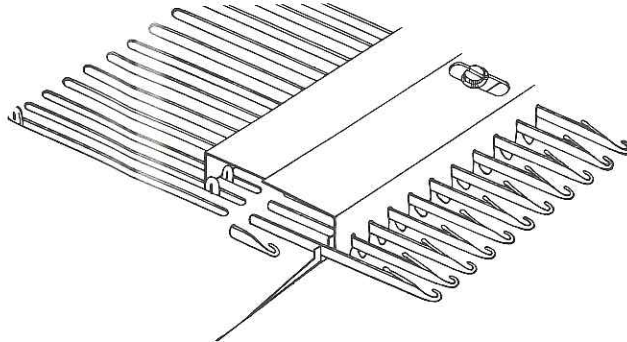


Fig. 1

## GARTER STITCH

Cast on 40 stitches for practice and knit 40 rows.

1. Bring the needles forward into the holding position, then secure the needles with the Needle Stopper. Be sure all the latches of the needles are open. Remove the yarn from the feed finger.
2. Take your small 49 needle Garter attachment and look at it. One side of the garter attachment has a groove right underneath each of the needles, the other side does not have the grooves. This is very important as we will be referring to the "NEEDLE GROOVES".
3. Hold the Garter attachment with the NEEDLE GROOVES UP and insert the knitting machine needles through the eye of the garter needles by lowering the garter attachment onto the needles of the machine.
4. Transfer the stitches from the machine to the Garter attachment by pulling the stitches forward with your fingertips. It is very important that you transfer the stitches beyond the butts (the projected parts on the sides of the garter needles). Arrange the stitches in a straight line on the bar. The only time you need not go beyond the butts of the Garter needles is when you are using very fine lace yarns. (Figure 2).

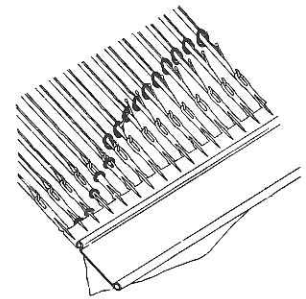


Fig. 2

5. When the stitches are transferred completely to the Garter attachment, the machine needles are now closed. . . . to open them, push the Garter Bar Attachment toward the back of the machine gently. . . . so the tips of the garter needles open the latches of the machine needles.
6. When the latches of the machine needles are open completely, lift the Garter attachment off the knitting needles.
7. Turn the Garter attachment that now holds the knitting, over. Move your Cam Box (or Slide) to the other side of the machine so that it will be in the correct position for picking up the yarn to knit the next row. Place the GROOVES of the garter needles over the heads of the knitting needles. Pull the Garter attachment slightly forward (toward you) and as you do this, the stitches will all be transferred back to the knitting machine needles (Figures 3 & 4). Now remove the Garter attachment by tilting the front of the attachment UP as you pull down. BE CAREFUL NOT to engage the eyes of the garter needles on the machine knitting needles. . . . You must be sure to pull the Garter attachment away from the knitting needles and downward. (Figure 5).



Fig. 3



Fig. 4

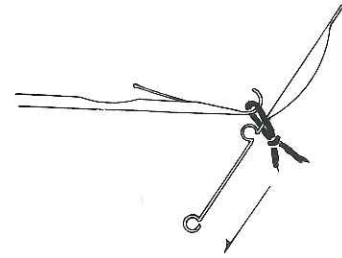


Fig. 5

8. Remove the Needle Stopper, push the machine needles back to the knitting position and knit several rows. You can knit 1 row then reverse the knitting and repeat after every row for a true Garter Stitch, or you can knit 2 rows or as many rows as you wish before repeating the reversing procedure.

Leave your practice piece on the machine so that you can go on to the next procedure.

### PARTIAL GARTER STITCH (Garter Stitch over a part of a section).

If you wish to have a true Garter Stitch on one edge of a section for instance. . . here is the way it is done. Have your Cam Box (or Slide) on the right side.

1. \*Bring 20 needles on the left side of your machine into holding position and knit 1 row across the remaining 20 needles on the right. Remove the yarn from the feed finger and lift the yarn UP and above the needles as shown in Figure 6.

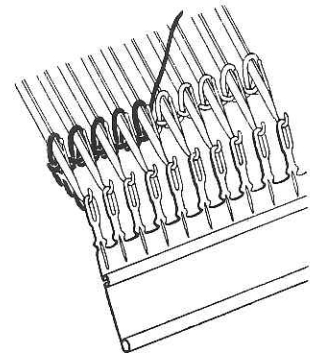


Fig. 6

- Bring all the needles into holding position and follow the instructions as given before to reverse the knitting. Be sure to bring the yarn UP and above the knitting as before (Figure 7). Leave the Cam Box (or Slide) on the left side, because in reversing your knitting, the 20 needles now on the left side have been knitted, the 20 needles on the right have not been knitted. . . so connect your yarn to feeder, bring 20 needles on the left side into holding position and knit 1 row to the right over the right 20 needles. Bring all the needles into holding position and reverse your knitting. Move the Cam Box to left side, knit 1 row to the right across all of the needles. REPEAT from \* for as many times as you need.

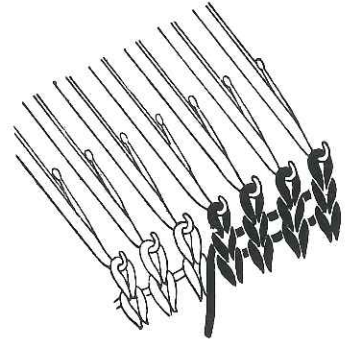


Fig. 7

## LACE KNITTING Or EYELET DESIGNS

Eyelet Design over every other needle.

- Bring all of the needles forward SLIGHTLY, so that the stitches lie across the open latches of the needles (Figure 8).
- Bring every other needle forward SLIGHTLY so that these stitches will go BEHIND the latches of the needles (Figure 9).
- Align all the needles (Figure 10).



Fig. 9

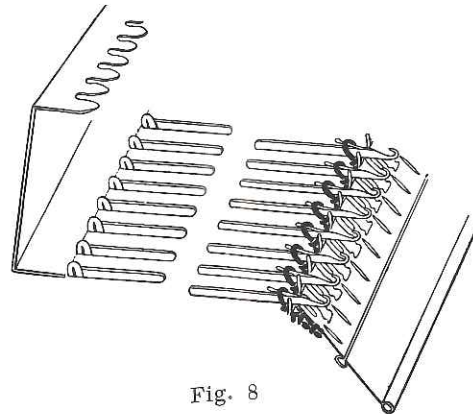


Fig. 8

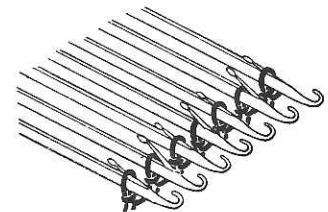


Fig. 10



4. Place the eyes of the garter needles on the hooks of the machine needles and pull the needles and the knitting all the way forward.
5. Place the Needle Stopper over the needle bed, with the flat edge over the butts of the needles and the teeth on the other edge over the shanks of the needles (to hold them in place).
6. Gently pull the knitting forward so that EVERY OTHER STITCH is transferred to the Garter Attachment (Figure 11).
7. Open the needle latches by slightly pushing against them with the tip of the Garter attachment.
8. Gently lift the Garter attachment holding the stitches and move it to the right or to the left over one needle space. Transfer the stitches to the next needle by placing the garter needles on the machine needles, tilting the garter attachment so that the stitches slide down, and push the knitting toward the machine needles (Figures 12 & 13).
9. Knit several rows and REPEAT procedure.

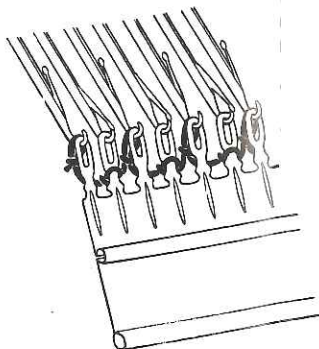


Fig. 11

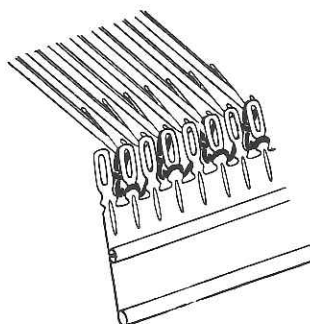


Fig. 12

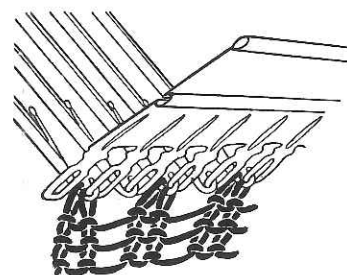


Fig. 13

## CABLE STITCH

2 x 2 Cable Stitch (Crossing 2 stitches to the right and 2 stitches to the left - or vice versa).

1. Transfer several groups of 4 stitches from the machine needles to the Garter attachment. (Figure 14).

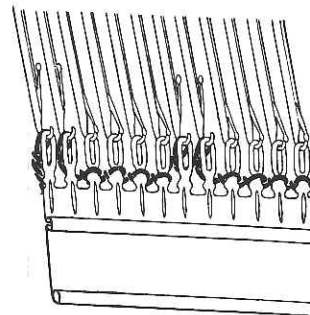


Fig. 14

2. Move the Garter attachment to the right (or to the left) over a two needle space and place the 2 left stitches onto the 2 right needles (Figure 15). Use your finger to gently push the stitches onto the needles. Move the Garter attachment to the left and place the other 2 stitches onto the 2 left needles. (Figures 16 & 17).

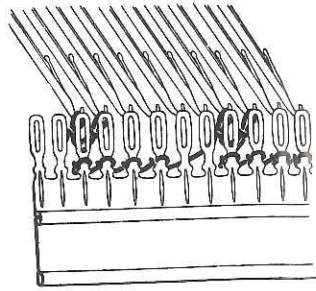


Fig. 15

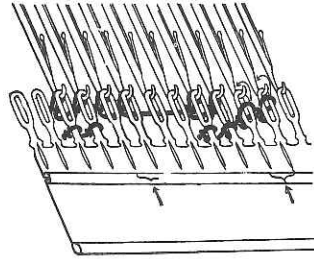


Fig. 16

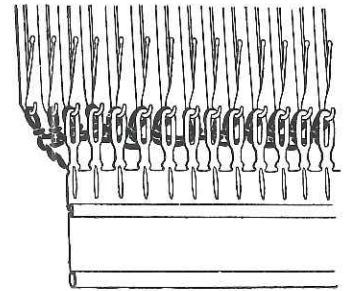


Fig. 17

### THREE STITCHES TOGETHER in the middle of a Row.

Putting 3 stitches together at the beginning of a "V" neckline.

1. With your single eyed Transfer Tool, transfer a stitch from the right side of the center needle, to the center needle, then transfer the two stitches together, back to the vacant needle (Figure 18).
2. Take the stitch next to the vacant needle and transfer it to the needle that holds 2 stitches (3 stitches on 1 needle). (Figure 19).
3. You now have two empty needles that you must fill by moving all of the stitches on one side, over to fill them.

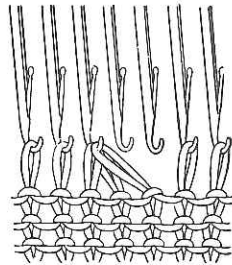


Fig. 18

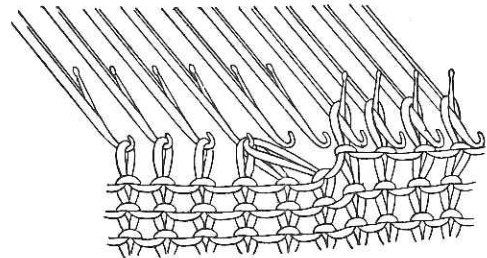


Fig. 19

4. Pull all the needles to the right (or left) into holding position. Set the Needle Stopper over the needles as you did before.
5. Put the Garter attachment over the needles you want to transfer. (Figure 20).
6. Transfer the stitches to the Garter attachment as you did before.
7. Move the attachment over the two needle spaces and transfer the stitches back to the machine needles. Remove the attachment (Figure 21).

NOTE: If you do not want to move the center over, you can place 1 stitch to the left of the center needle and 1 stitch to the right of the center needle, onto the center needle, then move the stitches ON EACH SIDE over to fill the empty needles.

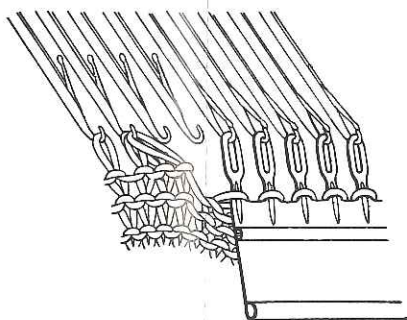


Fig. 20

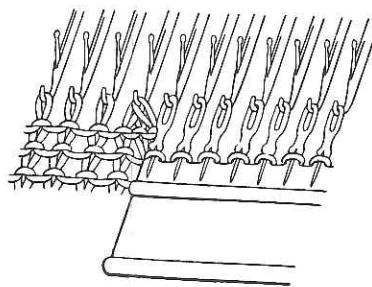


Fig. 21

## VERTICAL PATTERN KNITTING

With your Garter attachment, endless designs can be made in your knitting. Once you have your colors set into the Garter attachment, weaving the color design is very simple. The Purl side of the knitting shows the design and this is the right side.

You may use the same weight yarns for both the knitting and the weaving... or for interesting effects, try using a novelty yarn for the weaving such as yarn with a gold or silver thread, a nubby yarn - in fact, you may use any yarn for the weaving providing it is not too heavy... the needle spacing on your machine will not take a heavy yarn if the design is close together.

Each strand of yarn you use for the weaving must be at least 5 to 6 times the length of the actual design... so that if your finished design is 4" long, you must start with 20" to 24" lengths of yarn for each strand used.

For a practice piece, begin by casting on 40 stitches and knit 30 rows.



1. Cut 8 strands 30" long of a contrast color 1 and 8 strands of a contrast color 2.
2. Place the small 49 needle Garter attachment in front of you with the Needle Grove side UP (facing you) and the eyes of the needles at the top.
3. \*Fold 1 strand of colour 1 in half and bring one end through the 9th eye (counting from the right) on the Garter attachment from the BACK to FRONT- Bring the other end through the next eye (10th). Use the little metal tool with hook at one end (double hook at other end). Push the tool through the eye from front to back and catch the yarn, then pull it through. When you become proficient, you can pull 2 strands through at a time with the double hook end. REPEAT from \*3 times more so that you will have 8 strands of colour 1 in front of you. Now fold 4 strands of colour 2 in half and put them into the next 8 eyes on the Garter attachment. Change to colour 1 and repeat until you have used up all the strands of color. You should have 32 eyes filled with yarn and there are 8 empty eyes at the right and 9 empty eyes at the left.
4. Pull the loops out on the back of the Garter attachment for about 1". Smooth the strands of yarn straight down over the Garter attachment allowing about 6" or 7" of yarn to hang between the machine and the Garter attachment, then put the small plastic strip onto the attachment and hang a clip at each end to hold the strands of yarn in place.
5. Hang each 1" loop of yarn from the back of the Garter attachment onto EVERY OTHER NEEDLE of the machine, centering the strands of yarn so that the design will be in the center of your knitting. Bring all the needles into holding position (be sure to leave the controls of your machine so that all needles will knit on the following rows). Knit 2 rows.
6. \*Raise the Garter attachment, keeping the strands of yarn taut and hook each strand of yarn over one needle to the LEFT. Lower attachment.
7. Knit 2 rows.
8. REPEAT 6 and 7, 3 times more.
9. Raise the Garter Attachment and hook each strand over 1 needle to the RIGHT. Lower attachment.
10. Knit 2 rows, then REPEAT 9 and 10, 3 times more.

REPEAT from \* for Pattern Design.

When you have used up the yarn above the Garter attachment, remove clips and plastic strip and carefully move the bar down, then return the strip and clips. Be careful not to pull the attachment down too far, or the yarn will come out of the eyes and you will have to thread through again.

You do not have to fill every needle to make a design. You can space your designs with knitting in between, or center a design on the front section of a sweater or dress.

Now you are ready to try some of the Pattern Designs shown on the back cover of the Color Brochure. The color pictures will match up with the patterns of the inside.

HAVE FUN. //