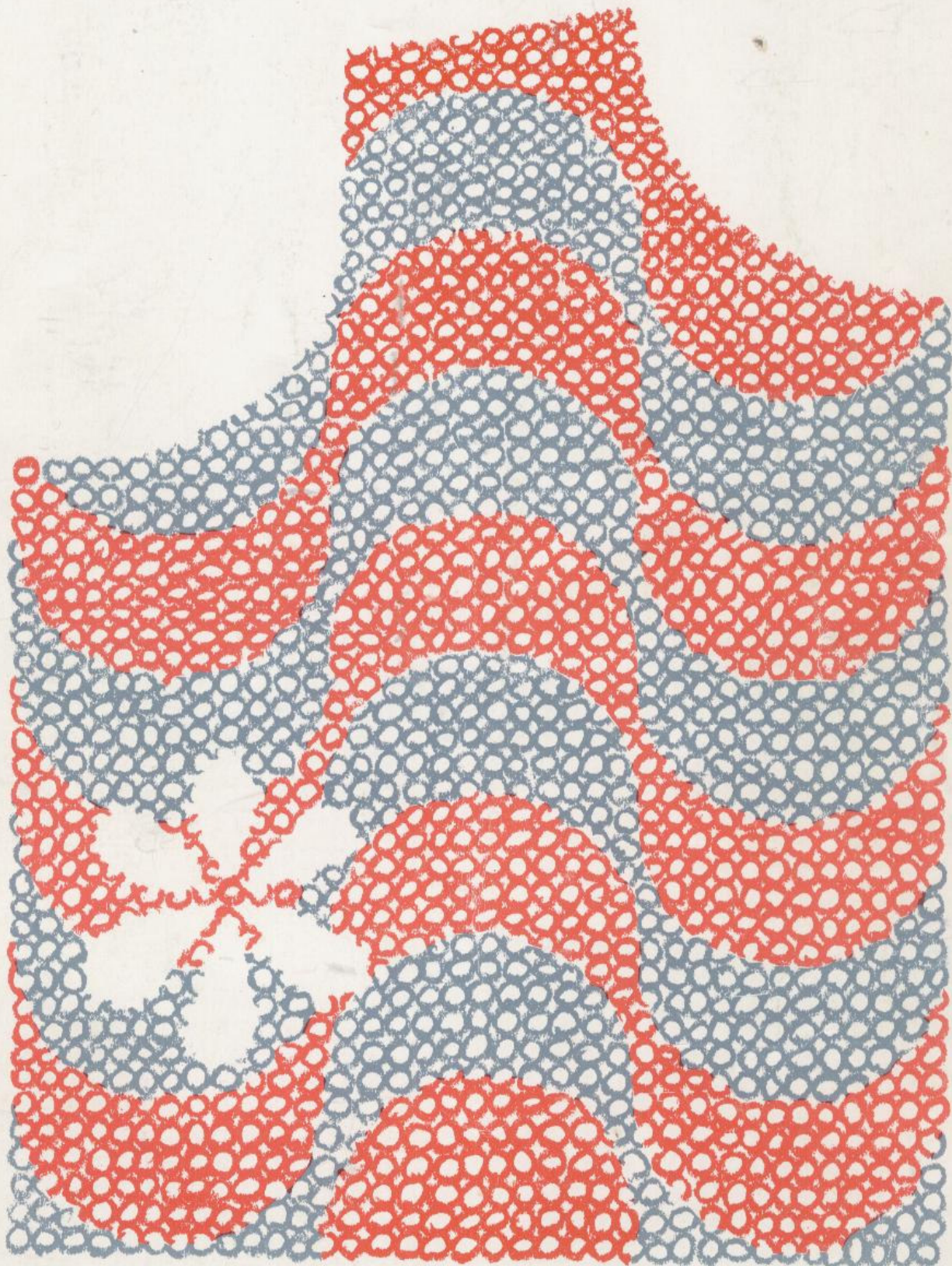
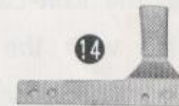
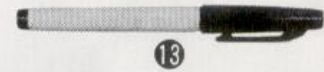
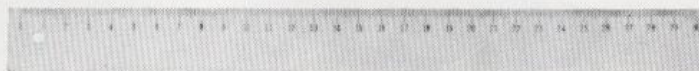
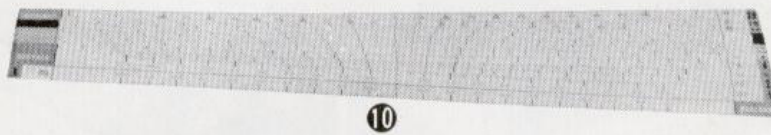
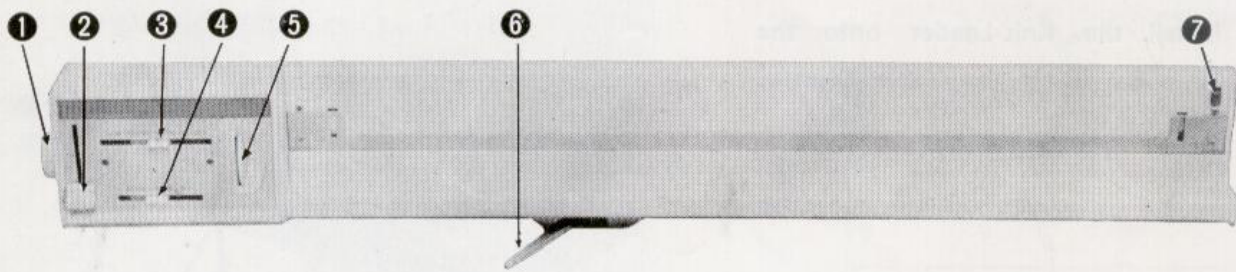


How to use your

Knit-Leader

KL-III





Name of part

- | | |
|-----------------------|-------------------------------|
| (1) Feed dial | (9) Stands |
| (2) Clutch | (10) Stitch measure scale |
| (3) Regulator for c/m | (11) Sheet |
| (4) Regulator for m/m | (12) Sheet case |
| (5) Row counting dial | (13) Felt pen |
| (6) Feed lever | (14) Feed connector |
| (7) Sheet button | (15) Set lever |
| (8) Sheet guides | (16) Ruler for stitch measure |

INSTALLING THE KNIT-LEADER

※ Install the Knit-Leader onto the table by using the Table Clamps. (Fig. 1)

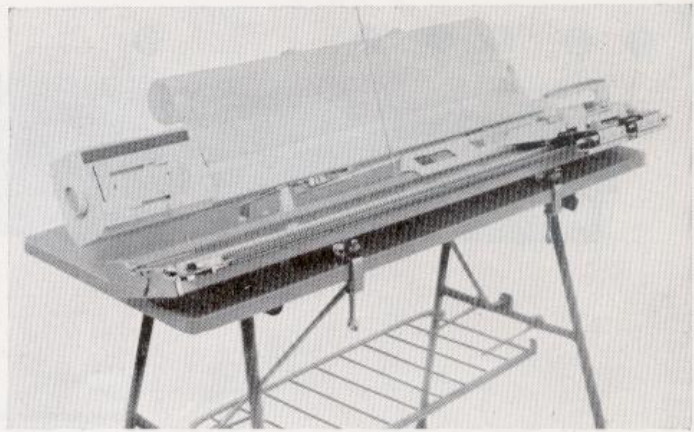


Fig. 1

(1) Take the Knit-Leader out of the cardboard case and put it on the table. Then take out the Stands and insert its legs on both sides into the leg holders of the Knit-Leader all the way. (Fig. 2)

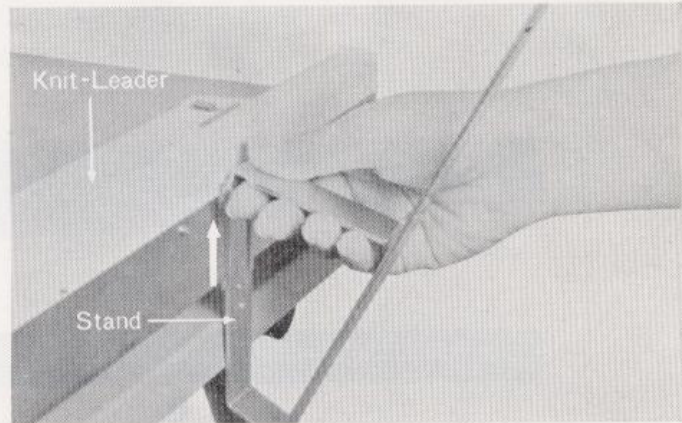


Fig. 2

(2) Put the Knit-Leader upright on the table with the front ends of the Stand hooked to the edge of the table as shown in the Fig. 3, 4.

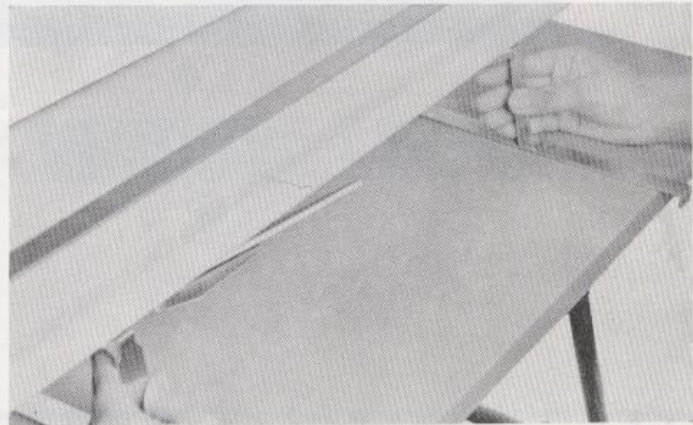


Fig. 3

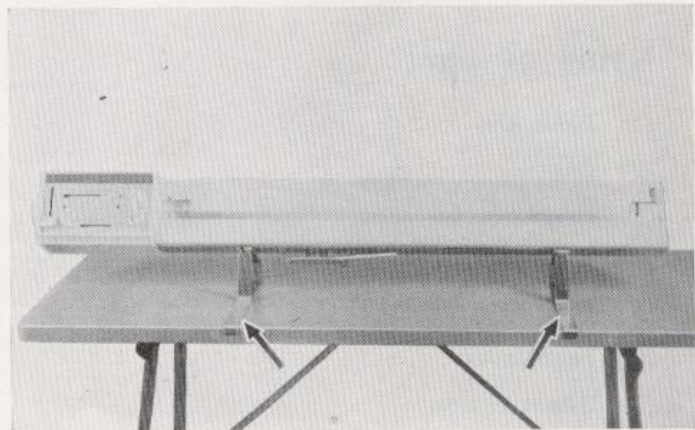


Fig. 4

- (3) Insert the Sheet guides (one each at right and left) to the back of the Knit-Leader. (Fig. 5)

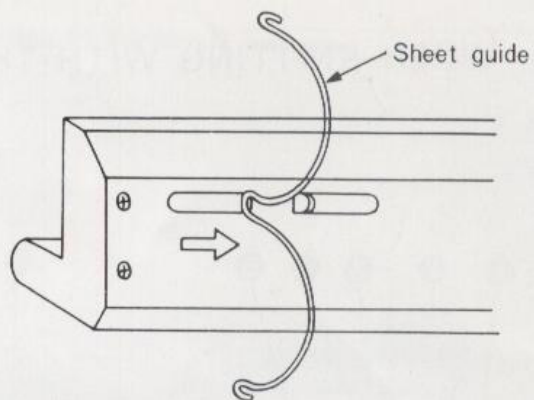


Fig. 5

- (4) When mounting the Knitter proper to the table, secure the Stands of the Knit-Leader with Table clamps (one piece each at right and left). (Fig. 6)

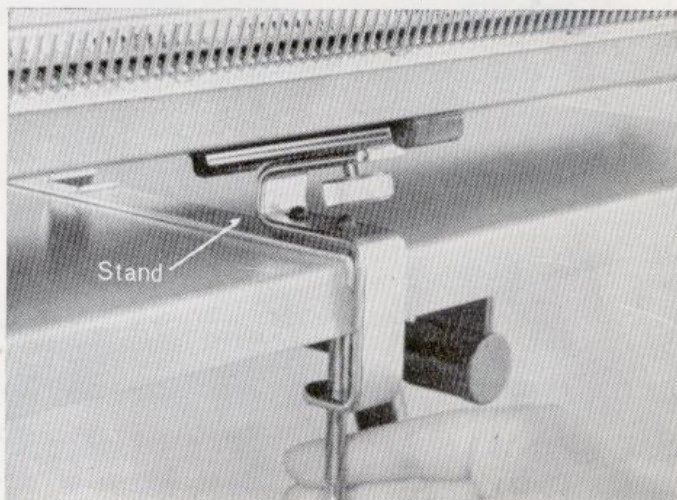
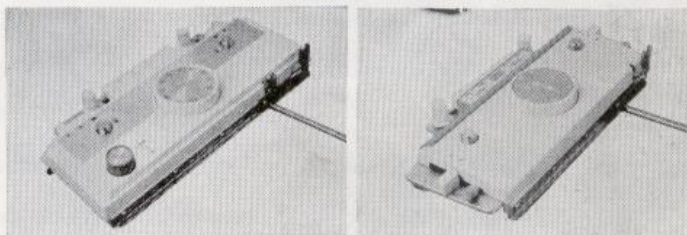


Fig. 6

- (5) Fix the Feed connector to the Carriage as shown in the Fig. 7.

Note: If the Feed connector is already fixed to the Carriage, disregard this instruction.



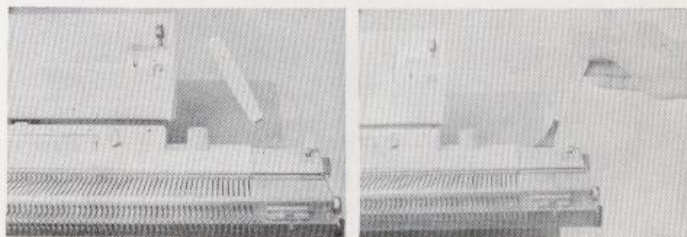
KH-588

KH-585

Fig. 7

- (6) Fit the Set-lever included in the Accessories of KL-111 to the Knitter as shown in the Fig. 8.

Note: Please disregard this instruction for KH-588.



Wrong

Right

Fig. 8

WHEN KNITTING WITH THE KNIT-LEADER.

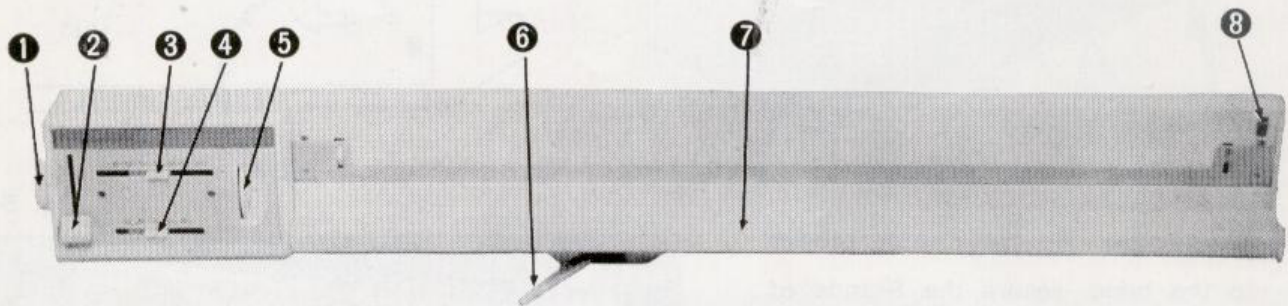


Fig. 9

Functions of Knit-Leader parts.

- (1) Feed Dial For feeding sheet by hand. Can be turned in either direction for winding or rewinding sheet.
- (2) Clutch Release gear of regulators c/m and m/m when moved up.
- (3) Regulator for c/m Indicates distance of rows in centimeters.
- (4) Regulator for m/m. . . . Indicates distance of rows in millimeters.
- (5) Row Counting Dial. . . . Graduated in 30 equal parts for indicating the the number of rows.
- (6) Feed Lever Feeds sheet row by row. Works sideways.
Has working and resting positions.
- (7) Accessories Shelf. For placing the accessories (Transfer tool, Latch tool and etc.).
- (8) Sheet Button Lowers right-side feed gear into position.
Has normal and lock positions : used when inserting sheet.

TENSION

The size of the stitch is determined by the tension setting on the Carriage tension dial. The tension at which your garment is to be knitted is usually given in the knitting pattern instructions, but as this is liable to differ for different brands of wool, it is advisable always to knit a tension swatch (40 stitches \times 60 rows) sample before commencing your garment.

KNITTING A TENSION SWATCH

(1) Bring forward 60 needles to "B" position

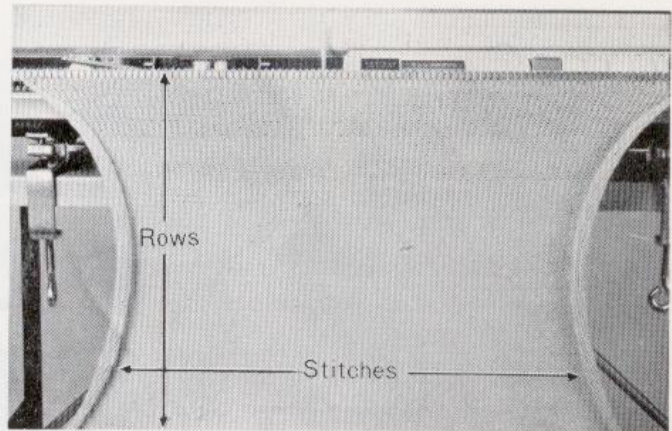


Fig. 10

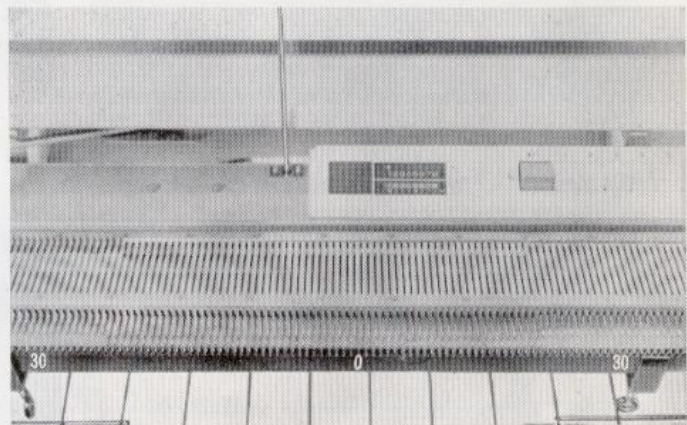


Fig. 11

(2) Pull out the Feed lever and put it to the working position.

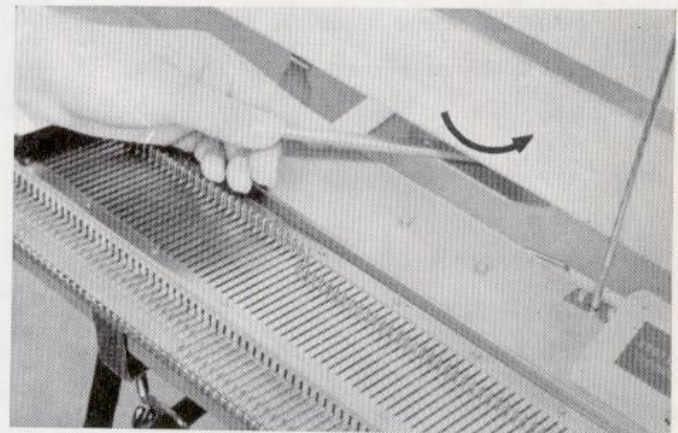


Fig. 12

(3) You can see the number of rows by Row counting dial. The Row counting dial is set to any position by your finger and count 30 rows.

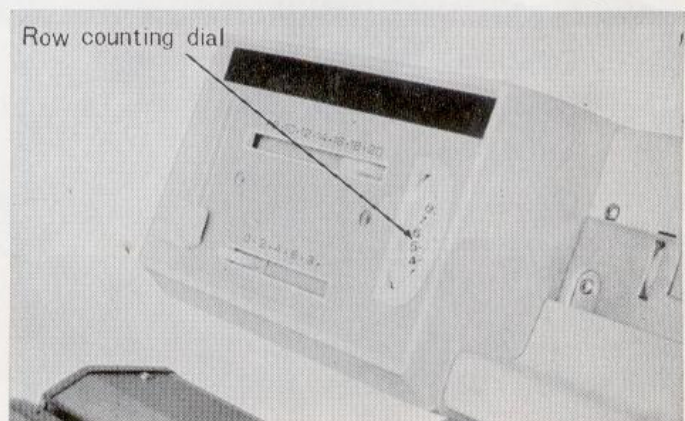


Fig. 13

(4) Knit 60 stitches across and about 10 rows of them.

Then knit one row using a different color of yarn. After knitting, set the Row counting dial to the number "30".

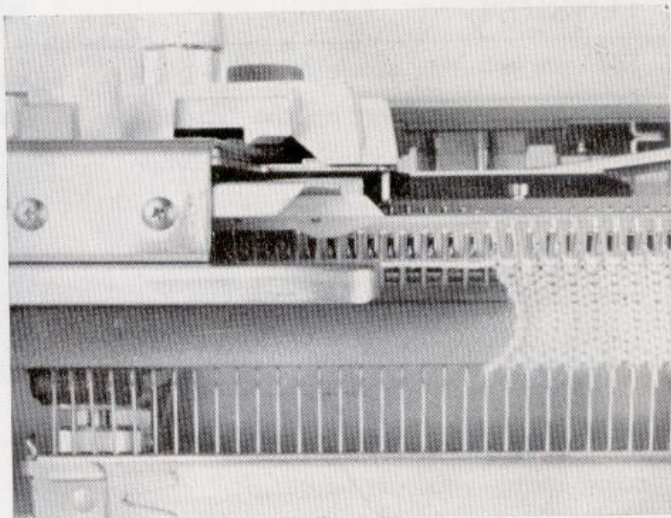


Fig. 14

(5) Knit 30 rows with the original yarn, (The Row counting dial turns one cycle and indicates the number "30" again.) then bring forward both 20th needles from the center to "E" position.

Hook the separate yarn into the hook of these needles, and make the stitch as shown in the Fig. 14, 15.

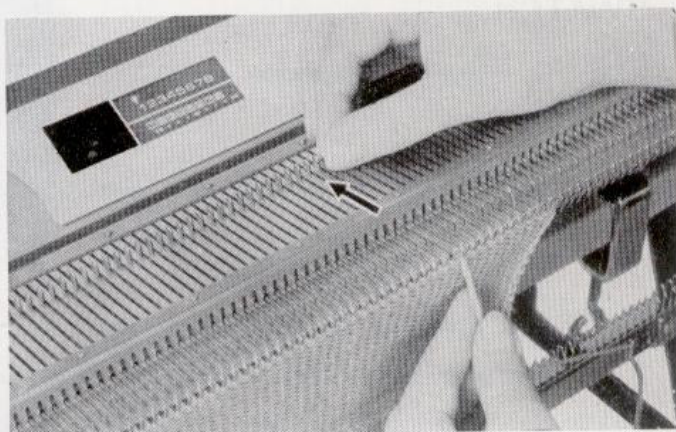


Fig. 15

(6) Knit another 30 rows and knit one row using a different color of yarn. Knit about 10 rows again and remove the swatch from the knitter.

Note: When knitting the Garment of Pattern Stitches, get a tension swatch of same pattern as Garment.

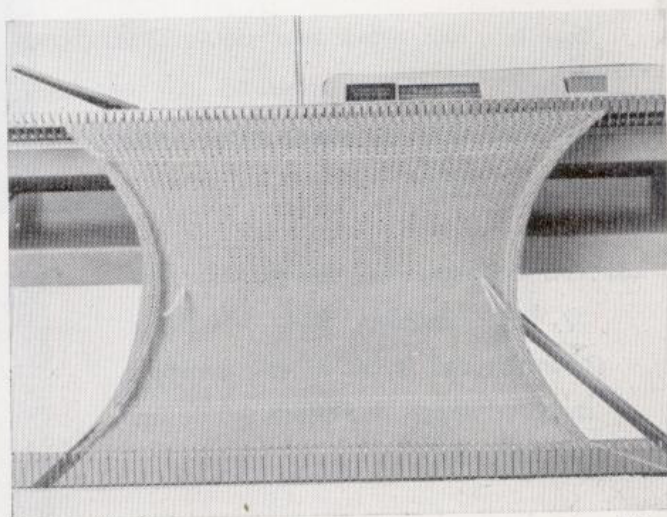


Fig. 16

MEASURING OF SWATCH

This swatch is in stretched condition right after it has been knitted and must be restored to its natural state by following the steps mentioned below.

- (1) Stretch the swatch longitudinally two or three times.
- (2) Pat lightly with your hand to restore the stretched stitches.
- (3) Apply steam from a steam iron to the swatch for 2 or 3 minutes. (Do not press it with the iron.)
- (4) When the swatch is in its natural conditions measure the distance of 60 rows between the two rows of the separate yarn in centi- and milli-meters with the Ruler included in the Sheet case; and also the distance of 40 stitches. When measuring 40 stitches, make sure to measure exactly 40 stitches which include both side marker stitches.

Note : A swatch of cotton, linen, synthetic fiber yarn, etc. must be soaked with water and then dried naturally before measuring.

Also measure the above-mentioned distance at about three different places and take their average for better accuracy.

When actual knitting, it is imperative that you should use the same tension as you've already gotten from tension swatch.

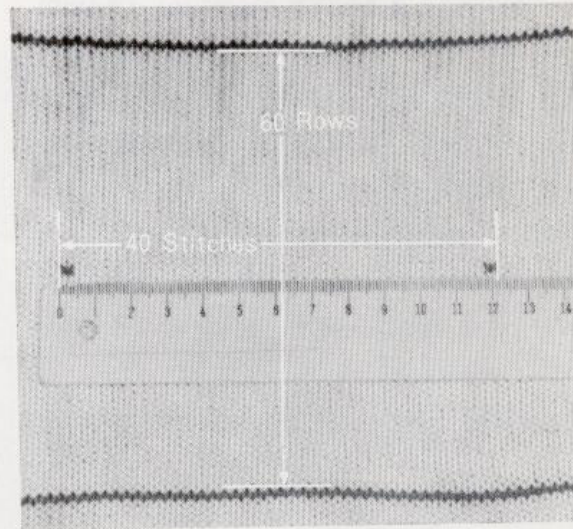
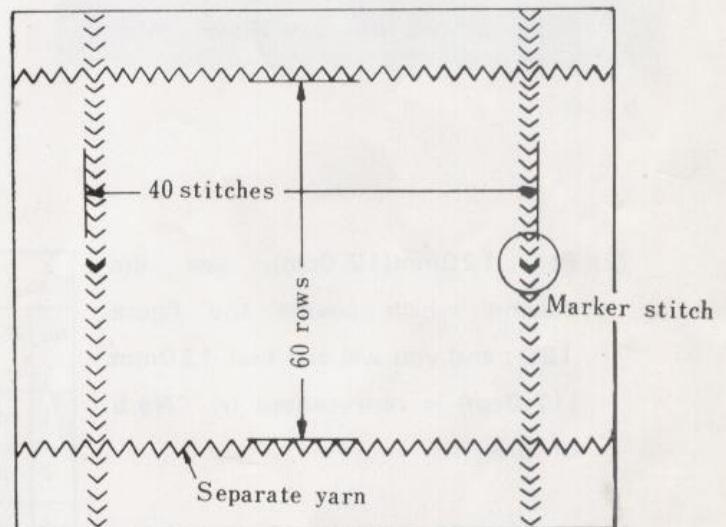


Fig. 17



Tension swatch

Fig. 18

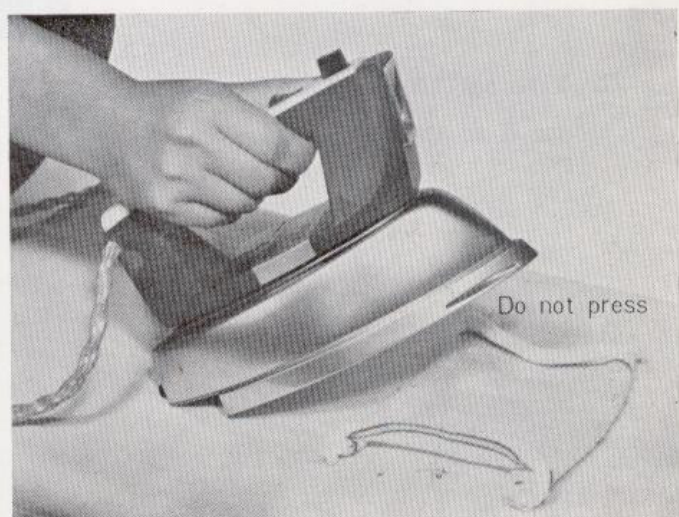


Fig. 19

HOW TO SET THE KNIT-LEADER

* Suppose a swatch measures 144mm (14.4cm) for 60 rows and 120mm (12.0cm) for 40 stitches.

A. How to set it for 60 rows measuring 144mm(14.4cm). Fig. 20

- (1) Push the clutch all the way up with your left hand and keep it there.
- (2) Set Regulator for c/m to 14 with your right hand.
- (3) Then set Regulator for m/m to 4.

B. How to set it for 40 stitches measuring 120mm(12.0cm)

- (1) Refer to the Stitch measure scale table pasted on the Sheet case.

- (2) For 120mm(12.0cm), see the column which covers the figure 120; and you will see that 120mm (12.0cm) is represented by "No.5 of Blue".

- C. Take out "No.5 of Blue" scale and set it to the Knit-leader.

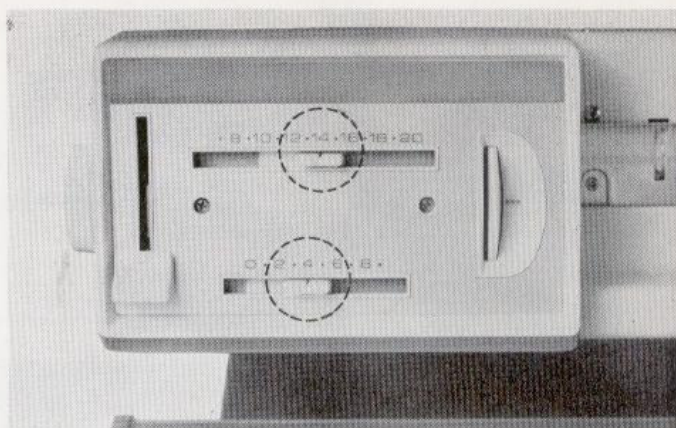


Fig. 20

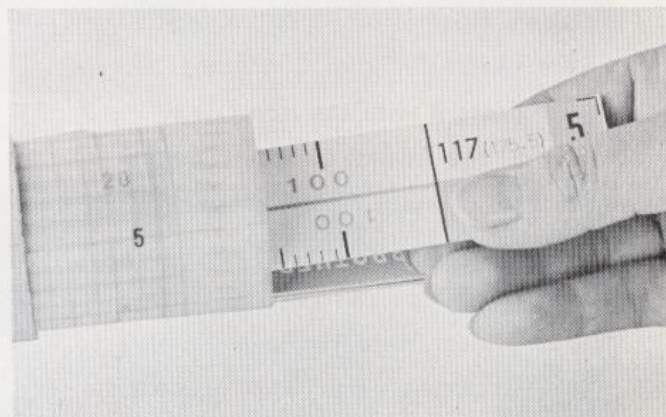


Fig. 21

STITCH MEASURE SCALE TABLE							
No.	40 Stitches Length	No.	40 Stitches Length	No.	40 Stitches Length	No.	40 Stitches Length
1	101 - 124	6	121 - 124	11	141 - 144	16	81 - 84 162 - 168
2	105 - 108	7	125 - 128	12	145 - 148	17	85 - 88 170 - 176
3	109 - 112	8	129 - 132	13	149 - 152	18	89 - 92 178 - 184
4	113 - 116	9	133 - 136	14	153 - 156	19	93 - 96 186 - 192
5	117 - 120	10	137 - 140	15	157 - 160	20	97-100 194 - 200

Fig. 22

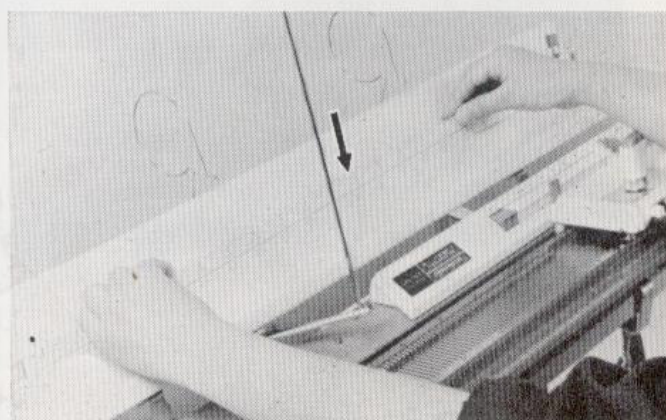


Fig. 23

PATTERN DRAWING ON SHEET

1. A pattern is to be drawn on the sheet in actual size.
2. Use the special Felt pen included in the Sheet case pen for drawing.
3. If a line or lines must be redrawn, wipe the sheet gently with a wet cloth.
4. Wait until the sheet is dry again before redrawing a line or lines.
5. In case of drawing more than one pattern on the same sheet, use different-colored pens for easy identification.
6. Drawing on the sheet should start with a reference line, 5cm above the bottom, the dotted line in the center representing the center of what you are going to knit.
7. The sheet is divided into 5mm \times 5mm squares and by thick lines every 5cm for your easy drawing.
8. The Sheet has enough space for a pattern up to 60cm \times 75cm.

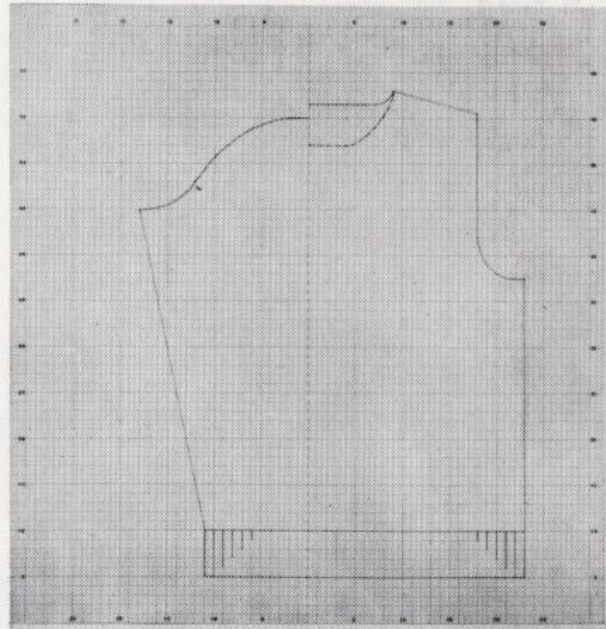


Fig. 24

HOW TO INSERT THE SHEET

(1) Insert the Sheet into the Sheet guides as shown in the Fig. 24

(2) Push the Sheet button to lock it.

(3) Hold the left end of the Sheet with your hand and fit the Sheet's perforations over the teeth of the left Feed wheel.

Turn the Feed dial 2 or 3 pitches.

Note: If the Feed dial does not turn, check whether the Feed lever is in working position.

(4) Hold the right end of the Sheet and move the Sheet up and down until the Sheet's reference line is in parallel with the Stitch measure scale. With the Sheet held in that position, release the Sheet button.

The teeth of the Feed wheel get into the right side perforations of the Sheet.

Align the center of the Sheet with the center of the Stitch measure scale.

Note: After inserting the Sheet, make sure that the Sheet button should be in the normal position and Feed wheel in the right gears into perforation on the Sheet.

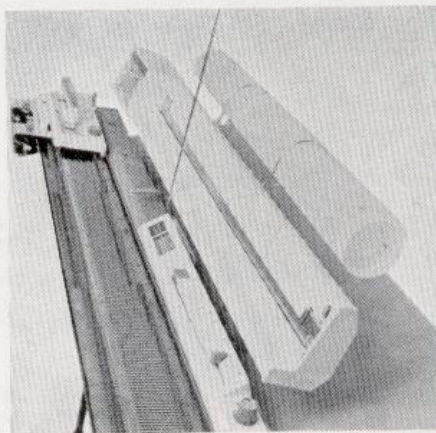


Fig. 25

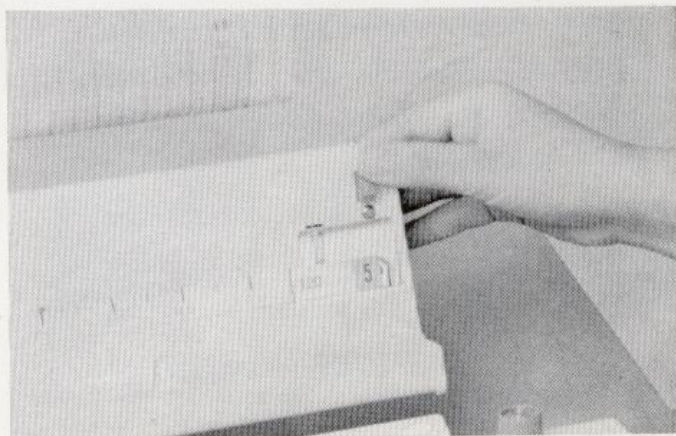


Fig. 26



Fig. 27

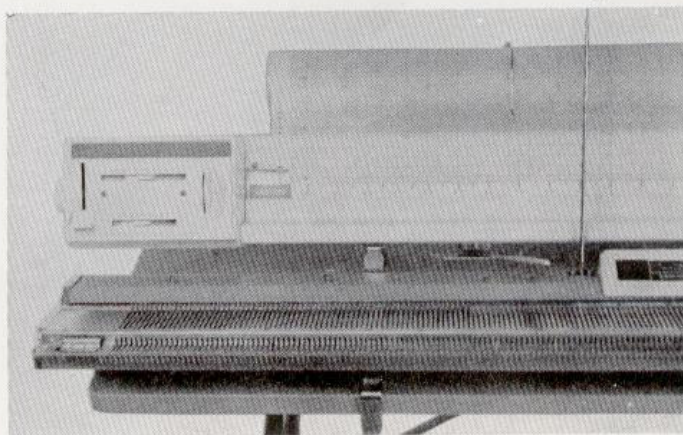


Fig. 28

NUMBER ON THE STITCH MEASURE SCALE

- * The number on the Stitch measure scale corresponds number on the Needle bed. In other words, the number on the Stitch measure scale corresponds number of stitches.

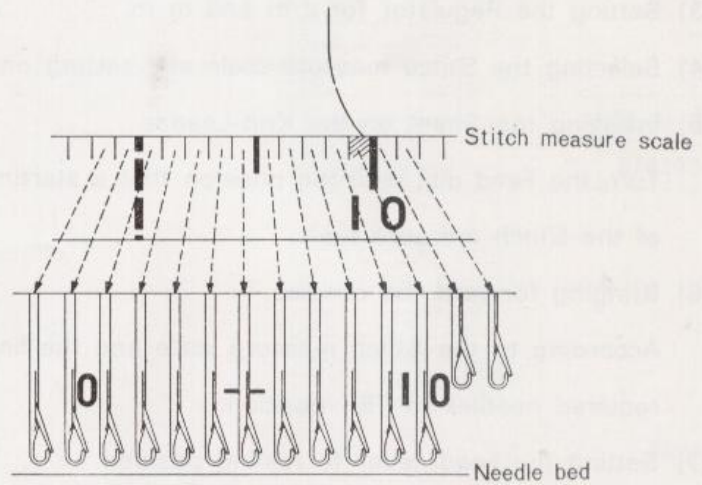


Fig. 29

HOW TO READ THE STITCH MEASURE SCALE

- * If the line drawn on the Sheet falls somewhere between graduations on the Stitch measure scale take the higher graduation.
For example, take 75 in right figure.
- * If the line drawn on the Sheet goes over to higher graduation, increase the stitches and goes over to lower graduation, decrease the stitches.
- * If the half of pattern is drawn on the Sheet, do not forget operation of increasing or decreasing the stitches on another side.

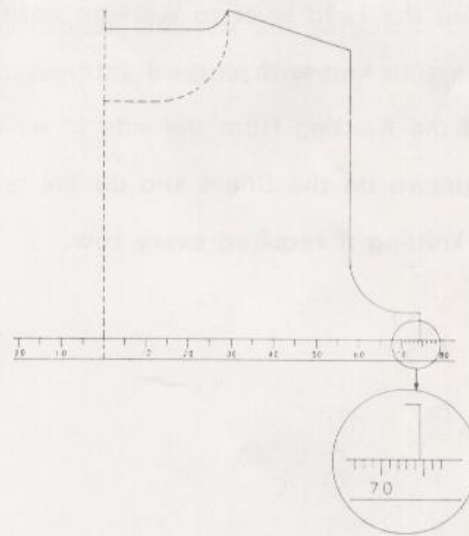


Fig. 30

PROCEDURE OF MAKING THE GARMENT

- (1) Pattern drawing on the Sheet in actual size.
- (2) Knitting a tension swatch. And measuring of swatch.
- (3) Setting the Regulator for c/m and m/m.
- (4) Selecting the Stitch measure scale and setting on the Knit-Leader.
- (5) Inserting the Sheet on the Knit-Leader.

Turn the Feed dial until the position that a starting line drawn on the Sheet lie on the top of the Stitch measure scale.

- (6) Bringing forward the needles.

According to the Stitch measure scale and the line drawn on the Sheet, Bring forward the required needles to "B" position.

- (7) Setting the Feed lever to resting position.
- (8) Starting to knit with separate yarn. (waste knitting)

After waste knitting, knit one row with the Cast-on thread.

- (9) Setting the Feed lever to working position.
- (10) Starting to knit with original yarn.

Start the Knitting from the side to which the Feed lever look. Before knitting, look at the line drawn on the Sheet and do the operation of increasing, decreasing stitches or short row knitting if required every row.

APPLICATION OF THE STITCH MEASURE SCALE

- * The Stitch measure scale has two functions.

One is to determine the number of stitches according to pattern.

Another is to determine the number of rows according to pattern.

- * For example, in right figure, the number of 96 means the distance of 40 stitches and the number of (144) means the distance of 60 rows in milli-meter.

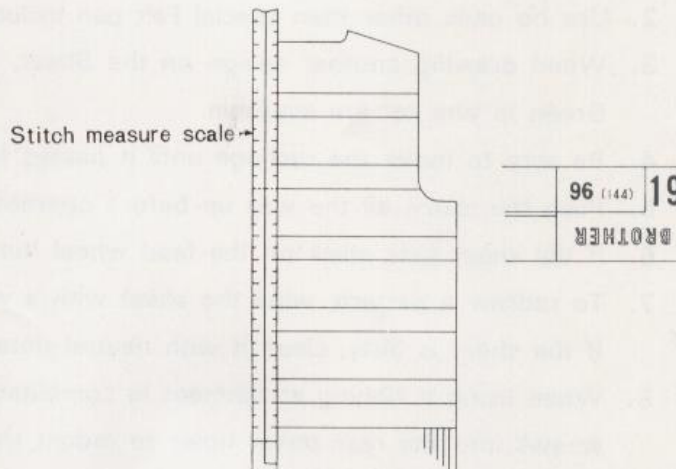


Fig. 31

- * So, when you knit the horizontal

stripe pattern, use the number on the Stitch measure scale.

If 60 rows measure 14.4cm, take out the Stitch measure scale whose number in parentheses is 144 and put it on the pattern drawn on the Sheet in the direction of the rows. Determine where to insert stripes and draw horizontal lines on the pattern.

- * By changing the yarns according to the lines drawn, you can get a pretty striped design.

IMPORTANT POINTS TO REMEMBER

1. Do not bend the sheets and Stitch measure scales.
2. Use no pens other than special Felt pen included in the Sheet case.
3. When drawing another design on the Sheet, use a different color Felt pen. Red, Blue and Green in one set are available.
4. Be sure to move the carriage until it passes the feed lever of the Knit-Leader.
5. Push the clutch all the way up before operating regulator for c/m and m/m.
6. If the sheet gets stuck on the feed wheel, turn the feed dial backward to release the sheet.
7. To redraw a pattern, wipe the sheet with a wet cloth.
If the sheet is dirty, clean it with neutral detergent.
8. When using a ribbing attachment in combination with the Knit-Leader, reinsert the stand's screws into the rear screw holes to mount the Knit-Leader.
9. The Feed dial may not turn when the Knit-Leader's feed lever is in the center position. Be sure to set the feed lever to the operating position.

