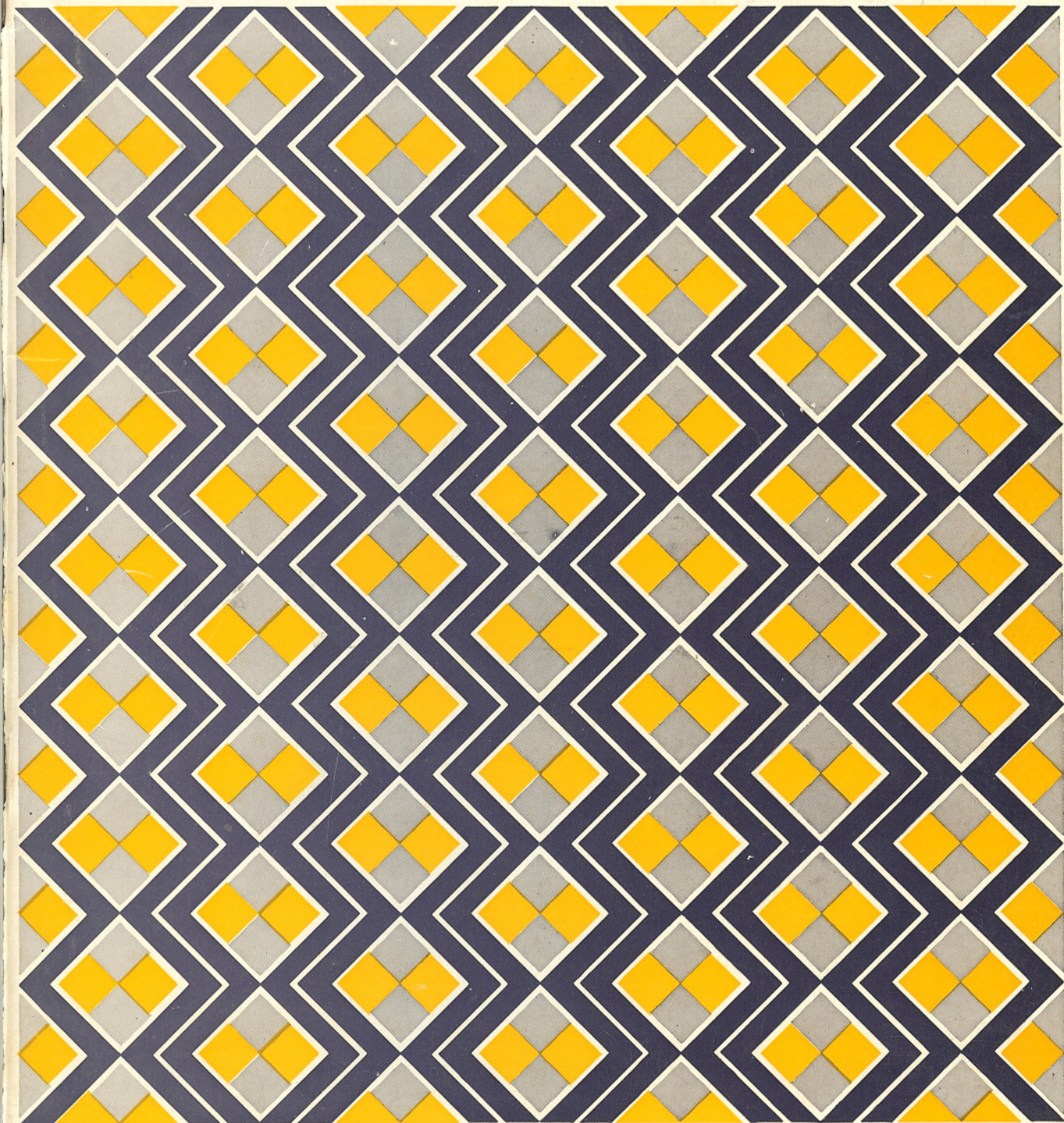


How to use your _____

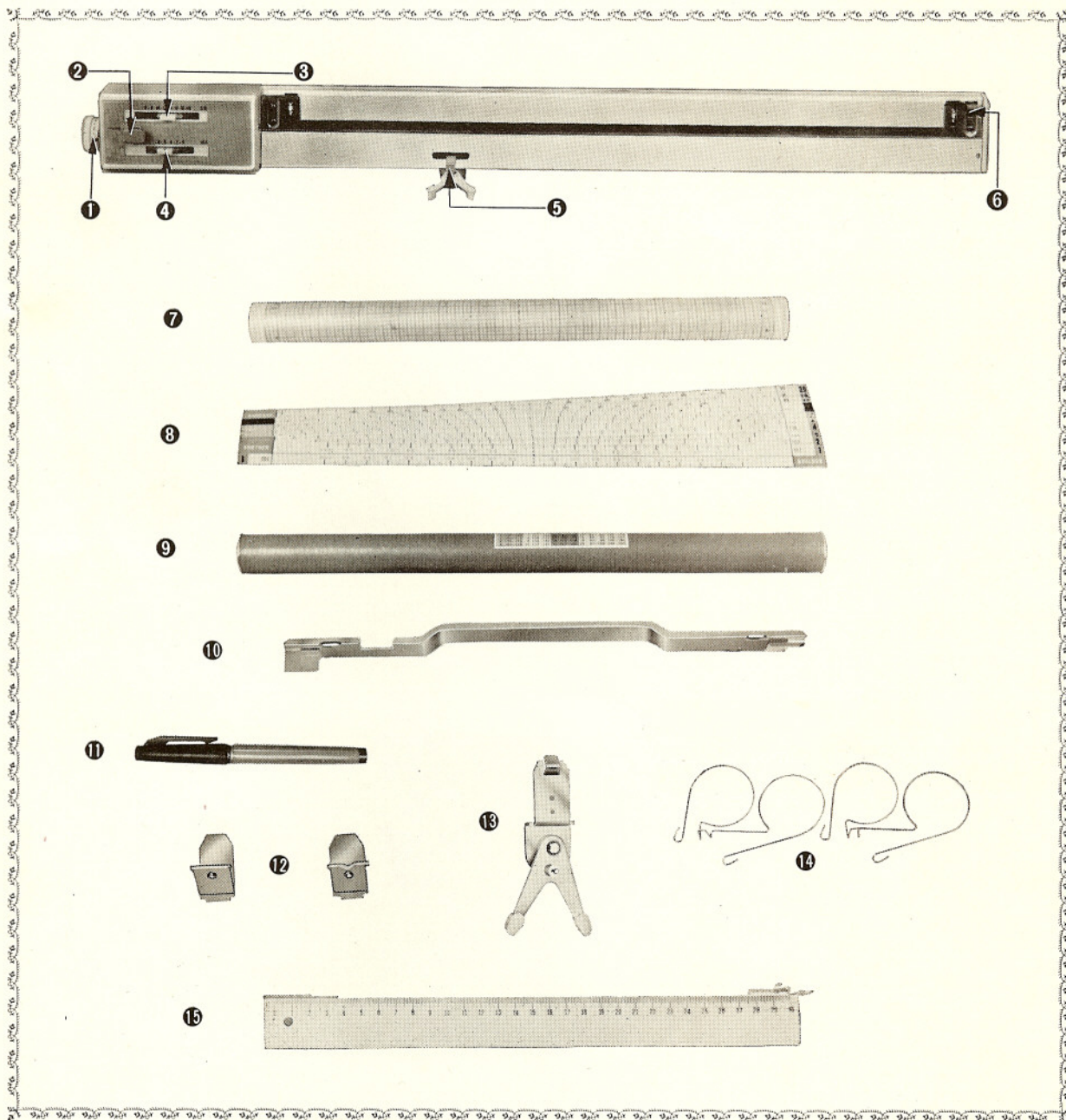
Knit-Leader

KL-113



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(1) Feed dial (Row counting dial)

(2) Clutch button

(3) Regulator for c/m

(4) Regulator for m/m

(5) Connecting lever

(6) Sheet button

(7) Sheet

(8) Stitch measure scale

(9) Sheet case

(10) Stand (for KH-588 and KH-585)

(11) Felt pen (Black)

(12) Setting plates

(13) Feeding lever for KH-588 and KH-585

(14) Sheet guides

(15) Ruler

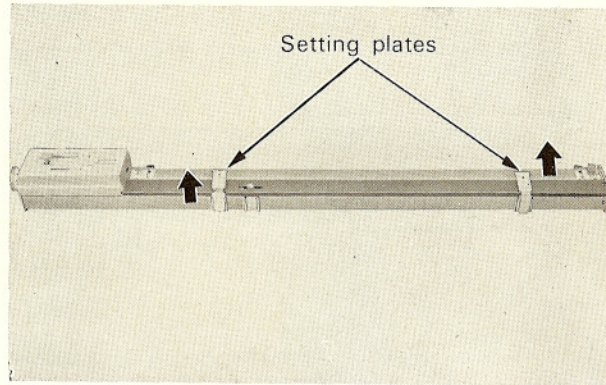
INSTALLING THE KNIT-LEADER (In case of KH-800)

(1) Pull out both Setting plates.

Take off the screw on both Setting plates. (These screws are used for only KH-588 or KH-585.)

If you have the KH-588 or KH-585, you need not to take these screws off the Setting plates.

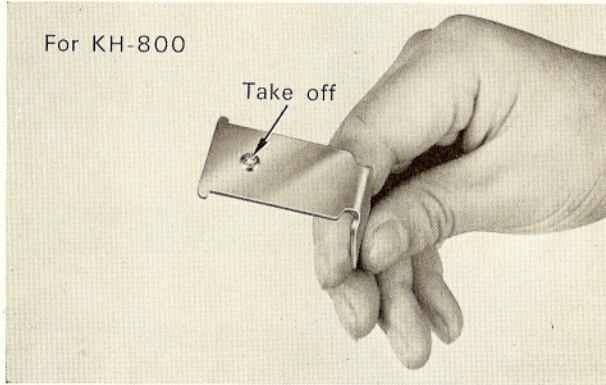
1



For KH-800

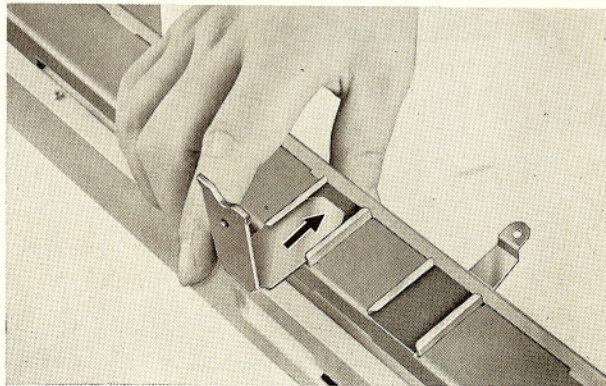
Take off

2

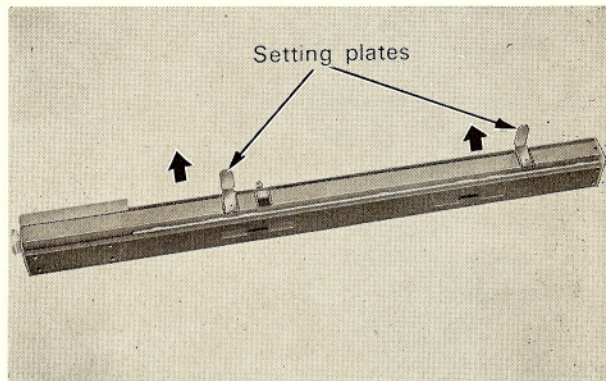


(2) Insert the Setting plates in each Setting plate holder. (See fig. 3, 4)

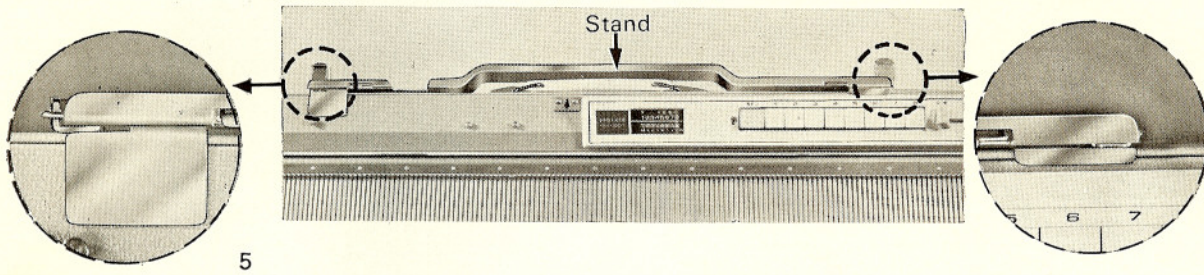
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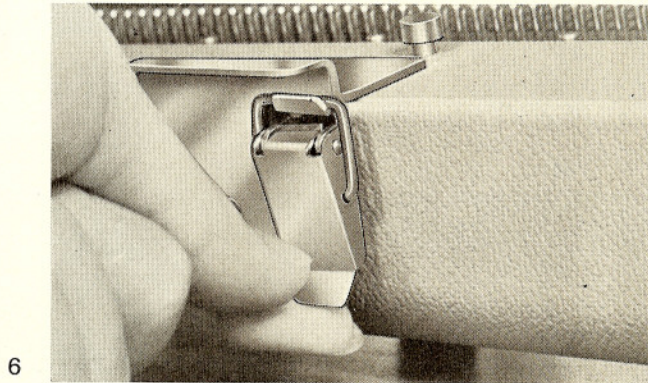
4



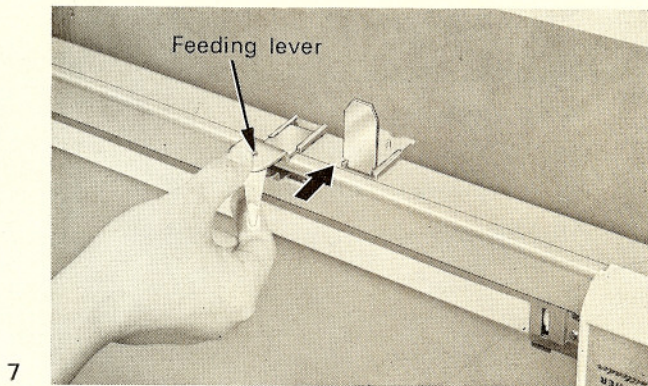
(In case of KH-588 or KH-585)



(3) Put a Stand on the machine as shown in the Fig. 5, 6.



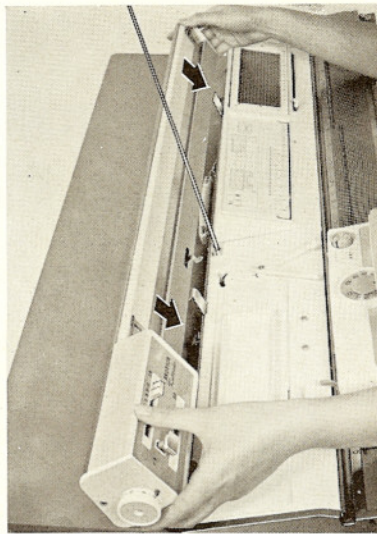
(4) Insert the Feeding lever in the Feeding lever holder. (See Fig. 7)



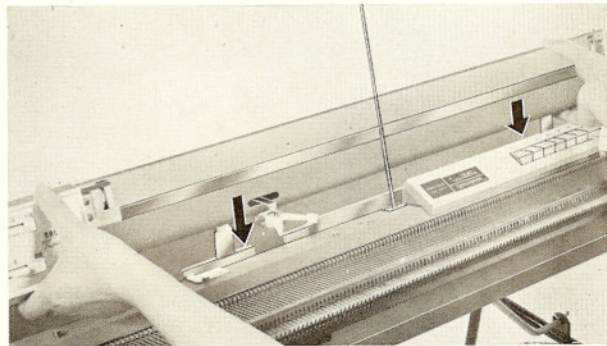
(5) Insert both Setting plates into the holes of the knitting machine.

(Fig. 8)

For KH-588 or KH-585;
Insert both Setting plates into the holes of the Stand. (Fig. 9)



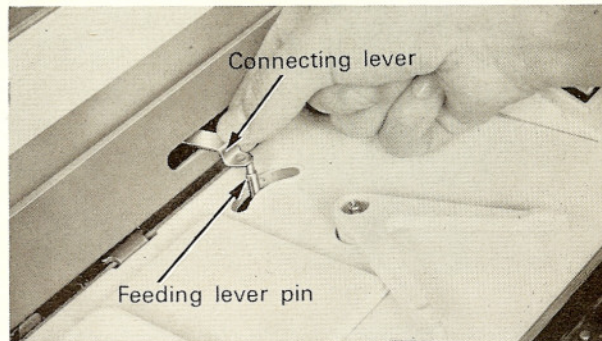
8



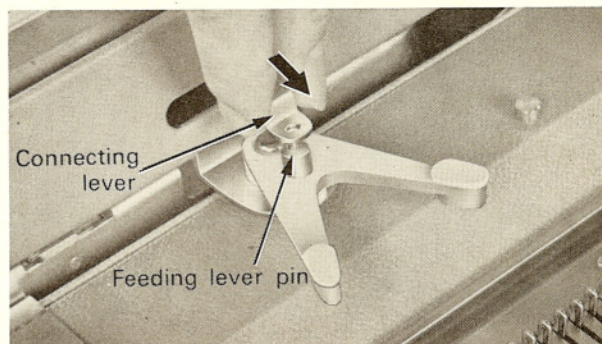
9

(6) Connect the Connecting lever with Feeding lever pin.

Fig. 10 shows for KH-800 and
Fig. 11 shows for KH-588 or
KH-585.



10



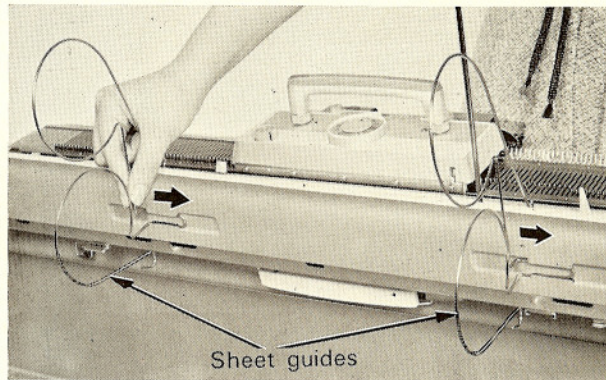
11

(7) Insert the Sheet guides (one each at right and left) to the back of the Knit-leader. (Fig. 12)

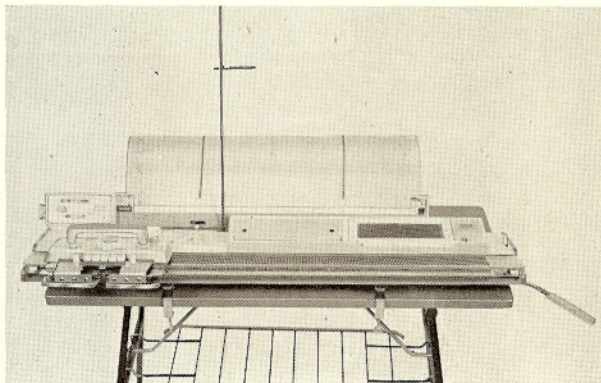
Fig. 13 shows KH-800
with Knit-leader.

Fig. 14 shows KH-588
with Knit-leader.

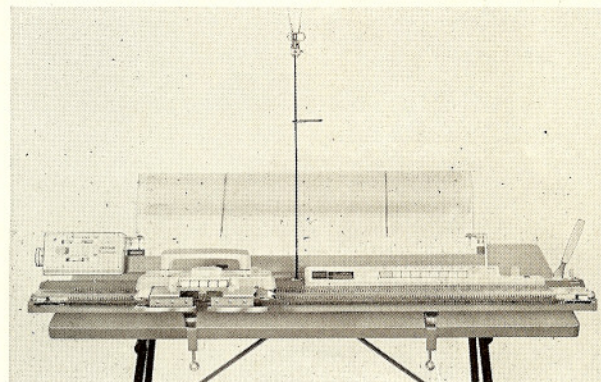
12



13



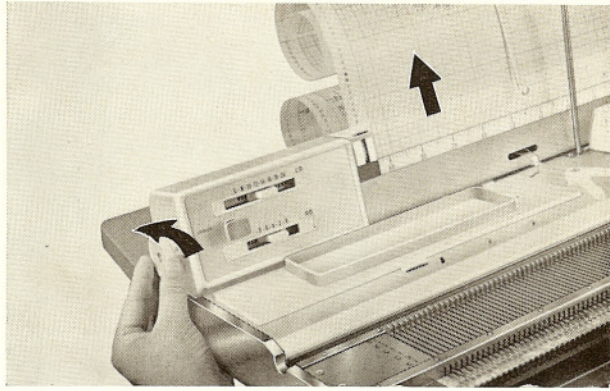
14



FOLDING UP THE KNIT-LEADER

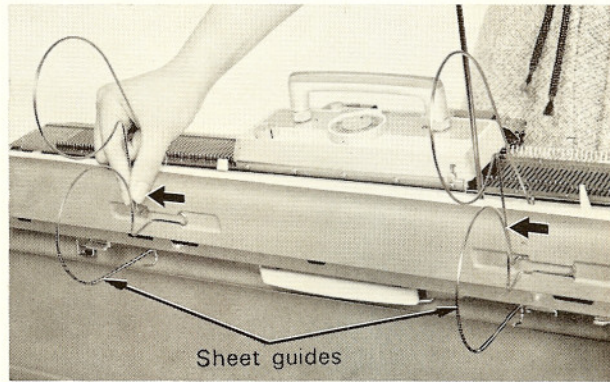
- (1) Take the Sheet off the Knit-leader by turning the Feeding dial.

15



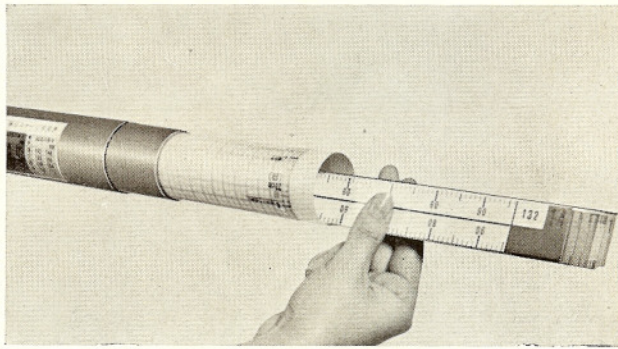
- (2) Remove both Sheet guides.

16

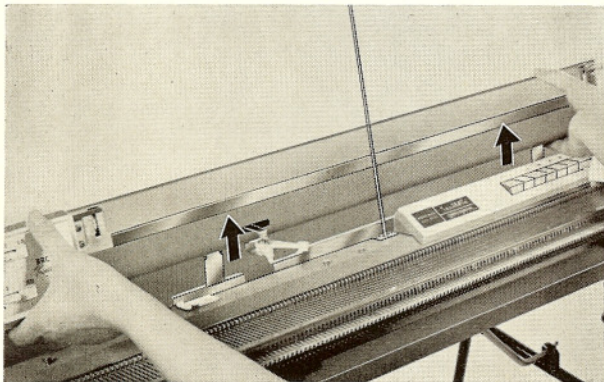


- (3) Put the Sheet and Stitch measure scale into the Sheet case.

17

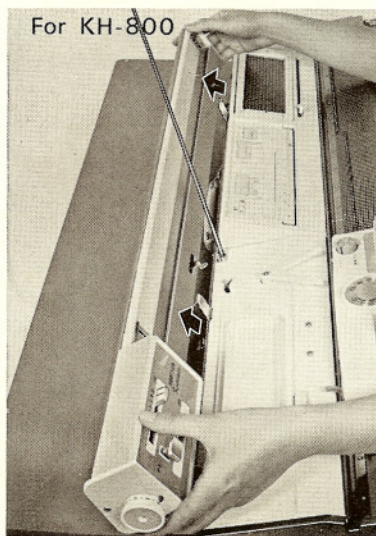


- (4) Remove the Knit-leader.



18

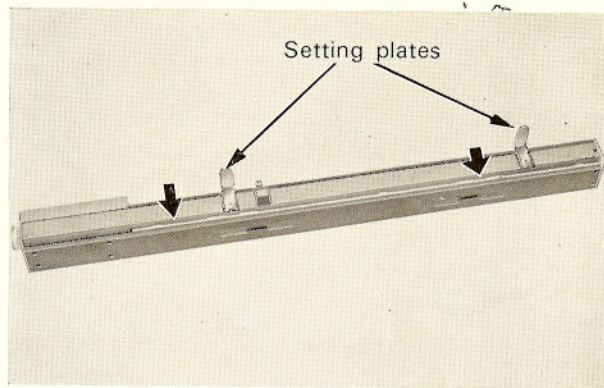
For KH-588 or KH-585



19

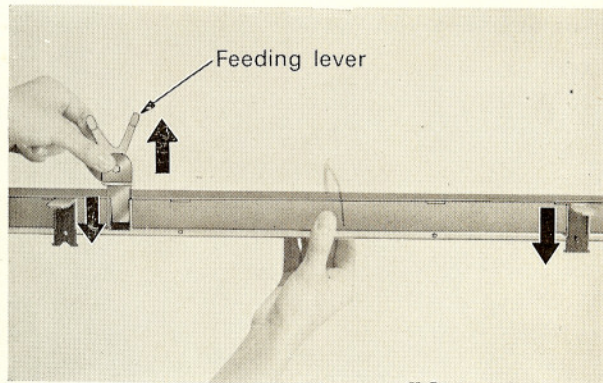
(5) Remove both Setting plates.

20



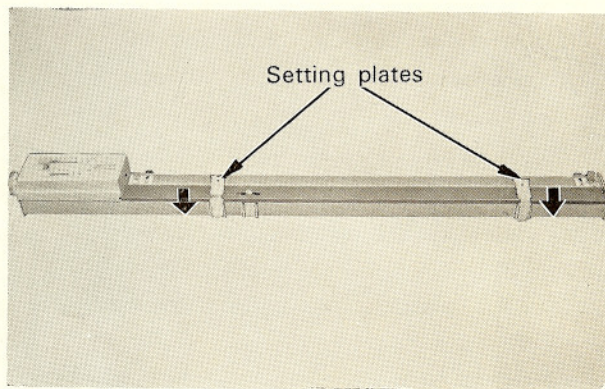
(6) For KH-588 or KH-585;
Remove the Feeding lever too.

21

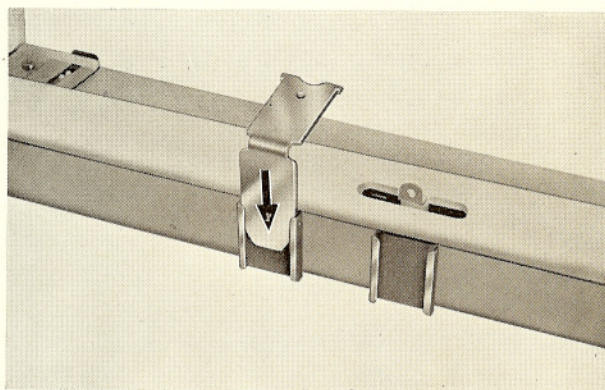


(7) Put both Setting plates to the place
as shown in the Fig. 22, 23.

22



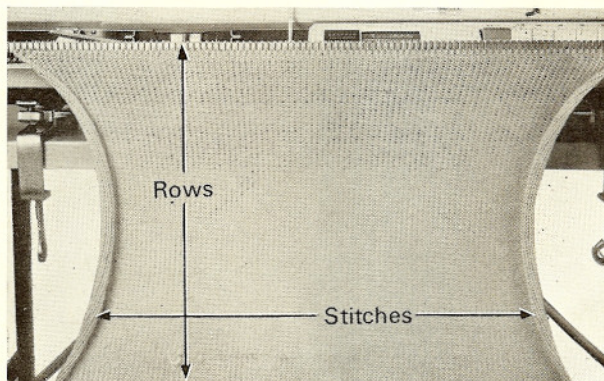
23



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.

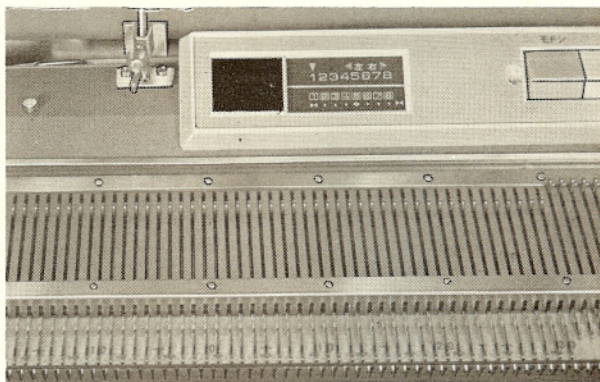
24



KNITTING A TENSION SWATCH

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

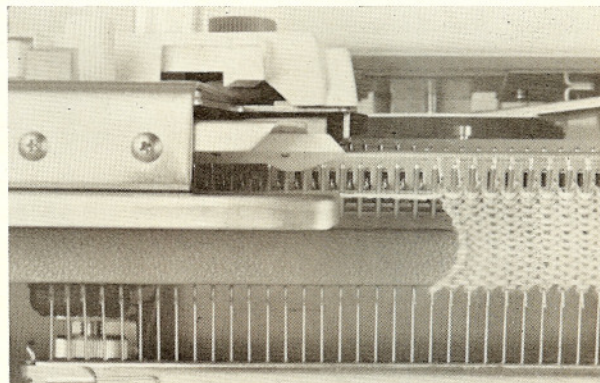
25



(2) Using the Cast-on comb, knit 60 stitches across and about 10 rows of them.

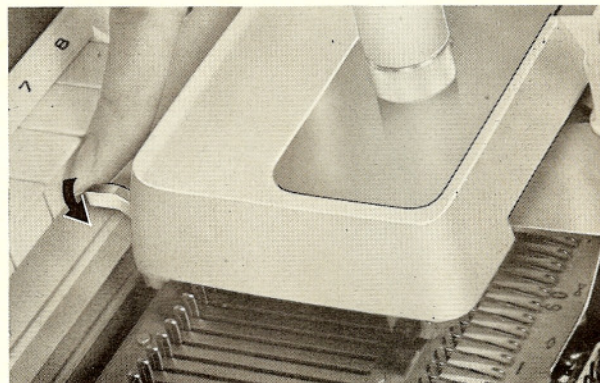
Then knit one row using a different color of yarn. After knitting, set the Row counting dial to the number "0".

26



(3) Set the Row counting tripper on the Carriage to working position.

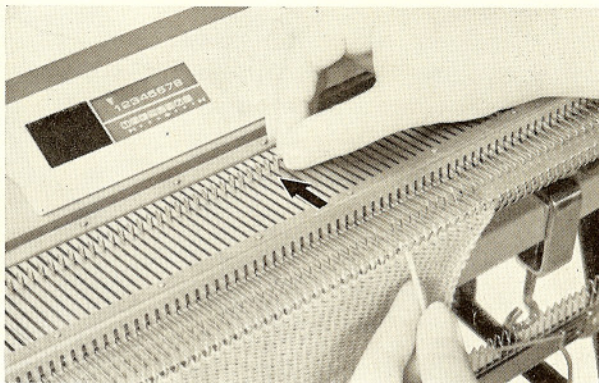
27



- (4) Knit 30 rows with the original yarn, (The Row counting dial turns one and a half cycle and indicates the number "10" 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. 28, 29.

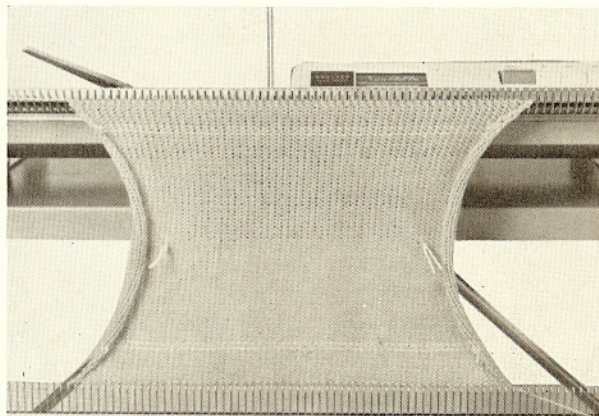
28



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

Note: If you want to knit the Garment with Pattern Stitches, get a tension swatch of same pattern as Garment.

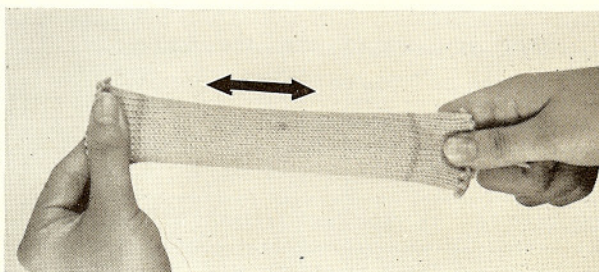
29



- (6) 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. (Fig. 30)
- (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.) (Fig. 31)

30

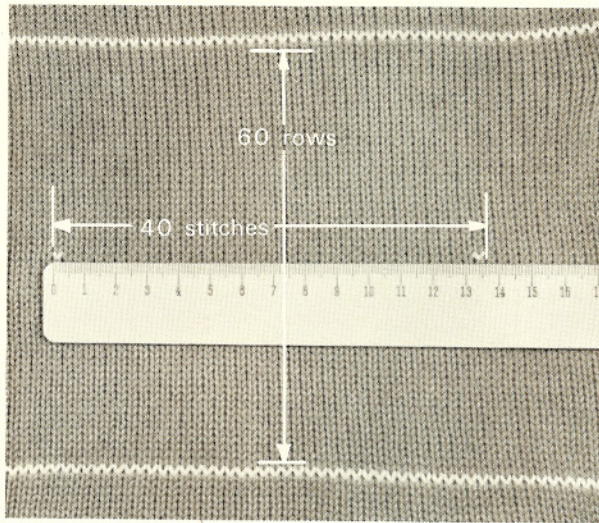


31



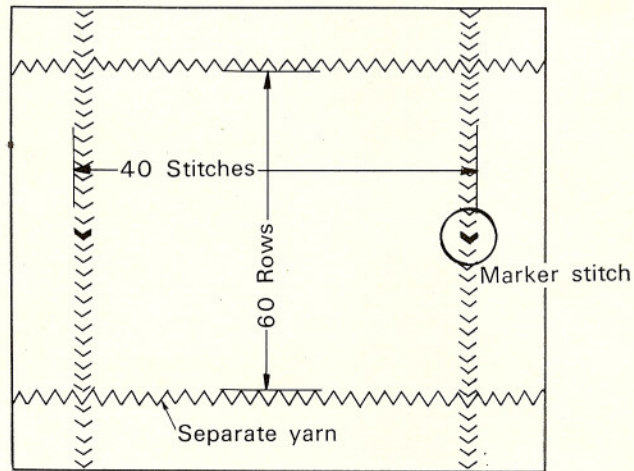
(7) When the swatch is in its natural conditions measure the distance of 60 rows between the two rows of the separate yarn in centi- and milli-meters with the Ruler included in the Sheet case; and also the distance of 40 stitches. When measuring 40 stitches, make sure to measure exactly 40 stitches which include both side marker stitches. (See Fig. 22, 33)

32



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.

33



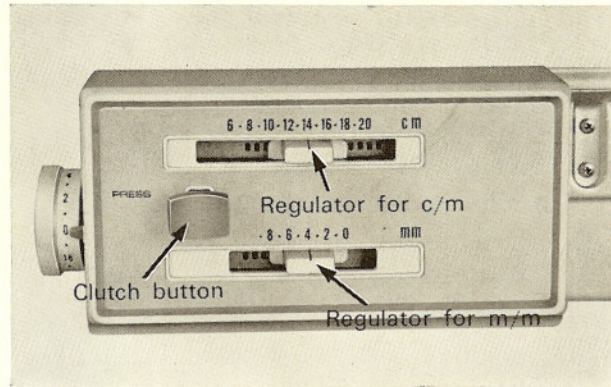
Tension swatch

HOW TO SET THE KNIT-LEADER

* Suppose a swatch measures 144mm (14.4cm) for 60 rows and 136mm (13.6cm) for 40 stitches.

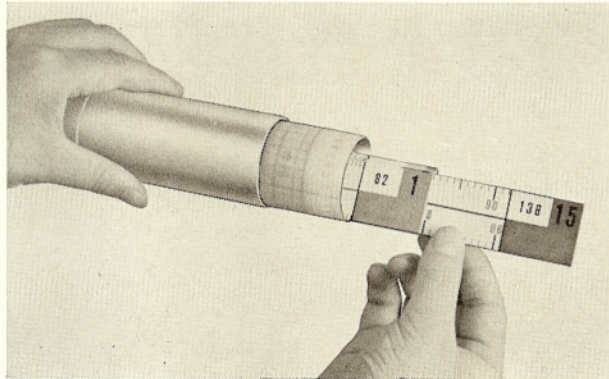
A. How to set it for 60 rows measuring 144mm(14.4cm). Fig. 34.

- (1) Press the clutch with your 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 136mm(13.6cm)

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



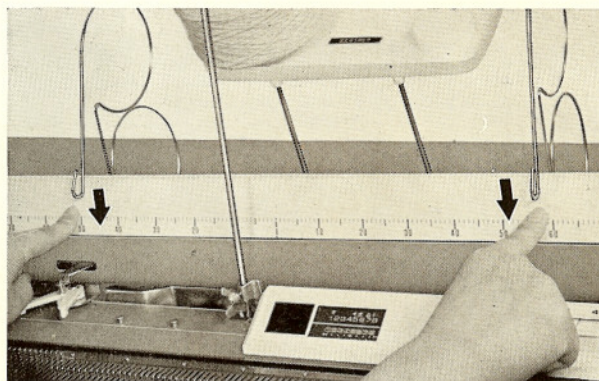
- (2) For 136mm(13.6cm), see the column which covers the figure 136; and you will see that 136mm (13.6cm) is represented by "No.15 of Green".

STITCH MEASURE SCALE TABLE

No.	40 Stitches Length	No.	40 Stitches Length	No.	40 Stitches Length	No.	40 Stitches Length
1	80 - 83	6	100 - 103	11	120 - 123	16	142 - 148
2	84 - 87	7	104 - 107	12	124 - 127	17	150 - 156
3	88 - 91	8	108 - 111	13	128 - 131	18	158 - 164
4	92 - 95	9	112 - 115	14	132 - 135	19	166 - 172
5	96 - 99	10	116 - 119	15	136 - 140	20	174 - 180

36

- C. Take out "No.15 of Green" scale and set it to the Knit-leader. Fig. 37

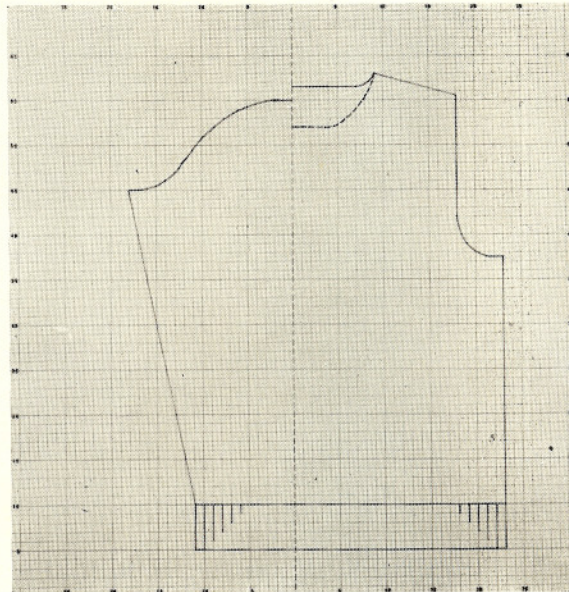


37

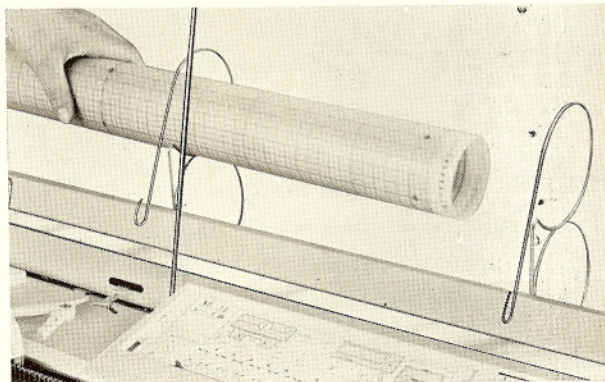
PATTERN DRAWING ON SHEET

1. A pattern is to be drawn on the sheet in actual size.
2. Use the special Felt pen included in the Sheet case for drawing.
3. If a line or lines must be erased, 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. Red, Blue and Green in one set are available.
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 × 5mm squares and by thick lines every 5cm for your easy drawing.
8. The Sheet has enough space for a pattern up to 60cm × 104cm.

38



39



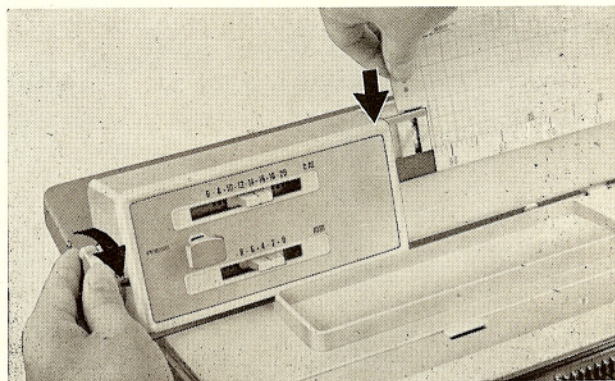
HOW TO INSERT THE SHEET

(1) Insert the Sheet into the Sheet guides as shown in the Fig. 39.

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

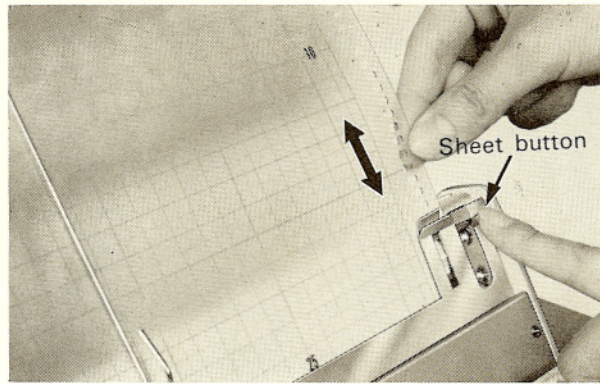
Turn the Feed dial 2 or 3 pitches.

40



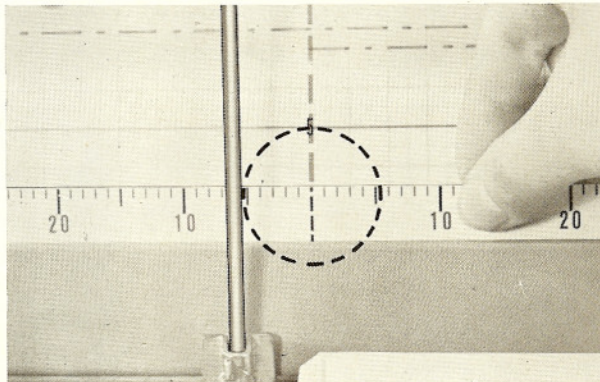
- (3) Hold the right end of the Sheet and move the Sheet up and down until the Sheet's reference line is in parallel with the Stitch measure scale. Then release the Sheet button. The teeth of the Feed wheel get into the right side perforations of the Sheet. (See Fig. 41)

41



- (4) Align the center of the Sheet with the center of the Stitch measure scale. (See Fig.42)

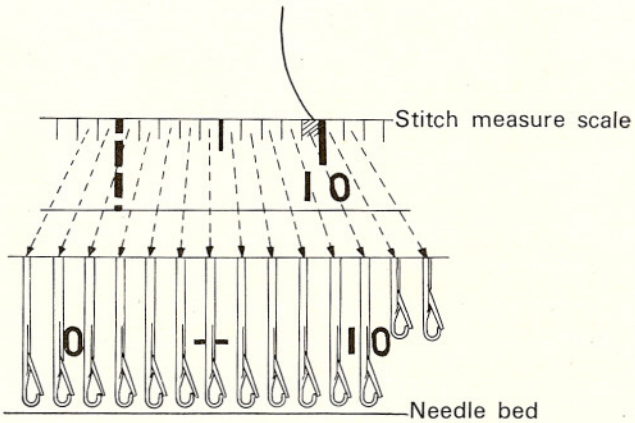
42



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.

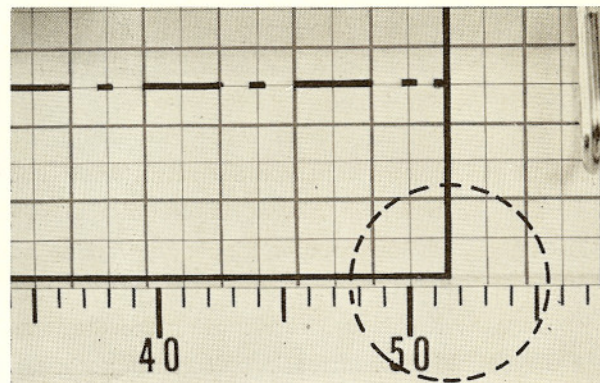
43



HOW TO READ THE STITCH MEASURE SCALE

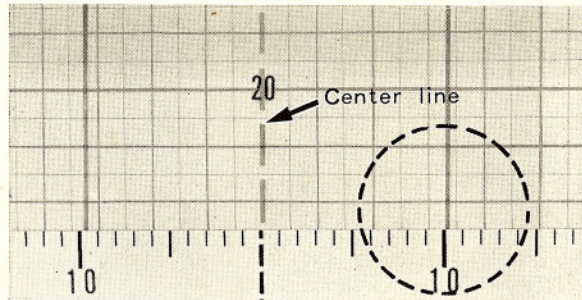
- * If the line drawn on the Sheet falls somewhere between graduations on the Stitch measure scale take the higher graduation. For example, take 52 in right figure.

44



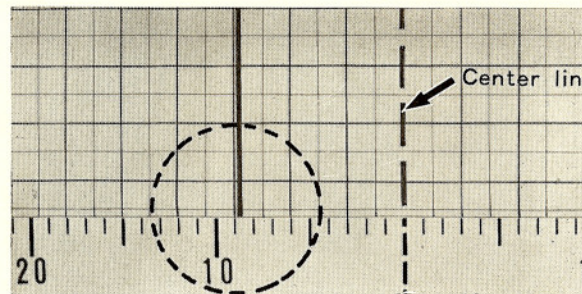
* Take 11 in Fig. 45 and take 9 in Fig. 46.

45



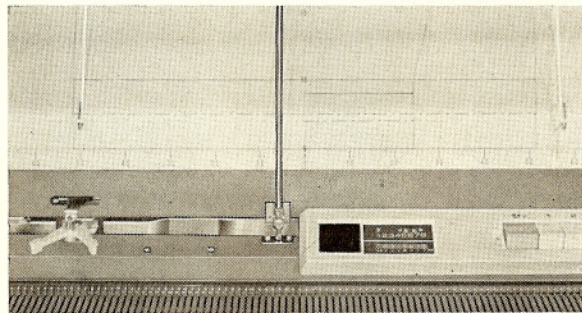
If the line drawn on the Sheet goes over to higher graduation, increase the stitches and goes over to lower graduation, decrease the stitches. If the half of pattern is drawn on the Sheet, do not forget operation of increasing or decreasing the stitches on another side.

46



PROCEDURE OF MAKING THE GARMENT

47



- (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) Bring 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 Row counter tripper 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 Row counter tripper to working position.
- (10) Starting to knit with original yarn.

Start the Knitting. Before moving the Carriage look at the line drawn on the Sheet and do the operation of increasing, decreasing stitches or short row knitting if required every row.

KNITTING ERRORS AND HINTS

* If you made the mistake, correct it in accordance with following method.

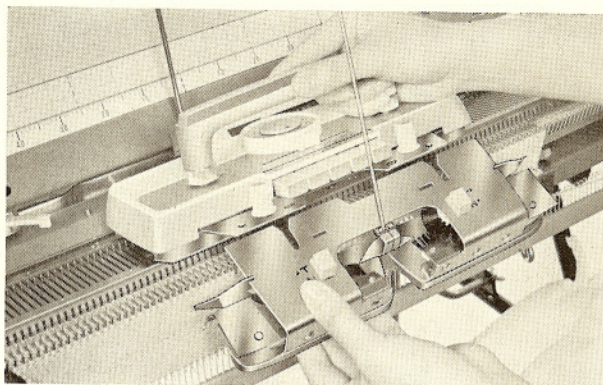
- (1) Unravell the incorrect rows.
- (2) Turn back the Feeding dial by the same number as the incorrect rows.
- (3) Then, turn back further three rows in order to make the Sheet feeding securely.

Namely, if you have knitted two incorrect rows, you must take the following steps. First, unravell the two incorrect rows. Then, turn back the Feeding dial by 5 rows (3 rows in addition to the 2 incorrect rows).

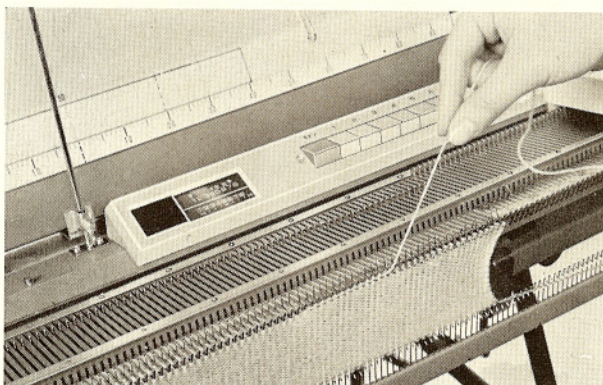
- (4) Turn the Feeding dial forward by three rows again to get back to the restarting position.

- (5) When the yarn stopped at the opposite side to the carriage after the incorrect rows are unravell, set the Row counting tripper to resting position and move the carriage to the same side as the yarn without knitting.

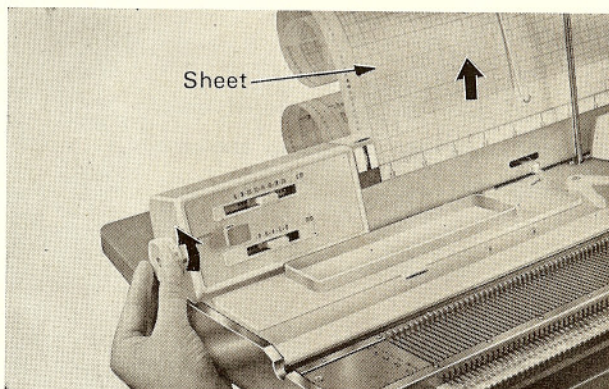
48



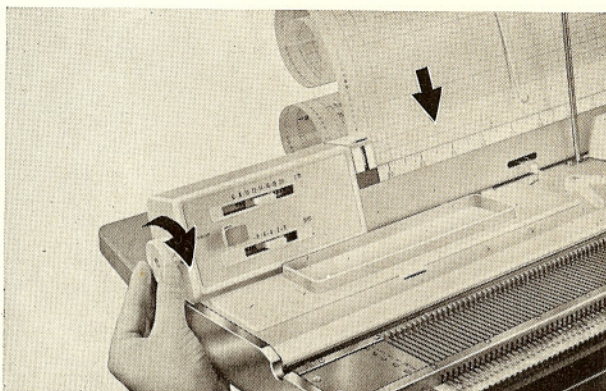
49



50

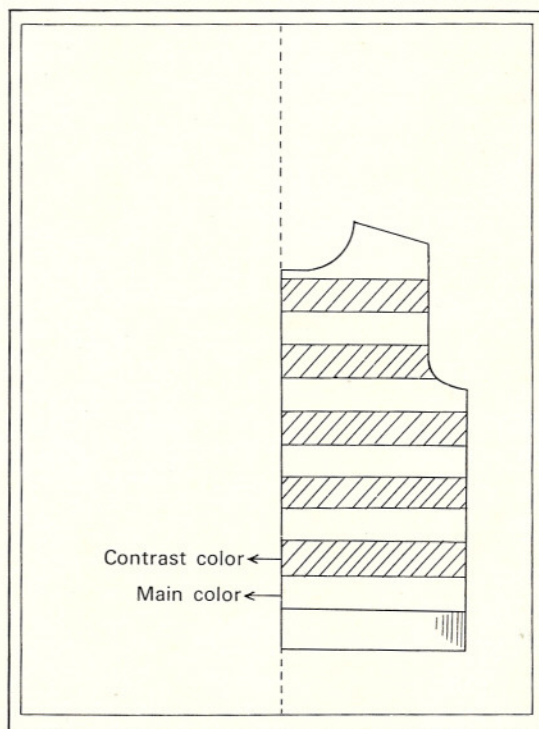


51



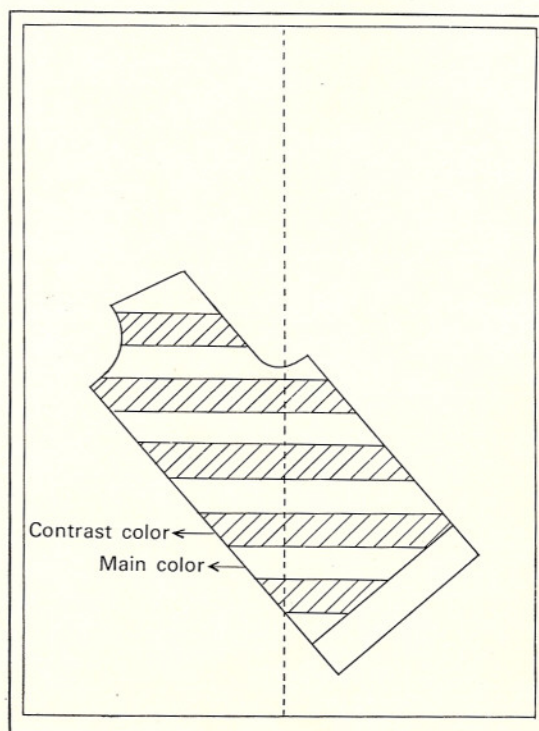
KNITTING THE LATERAL STRIPES PATTERN

If you want to knit the lateral stripes pattern, draw the stripes on the Sheet so that you can see when the yarn should be changed. (See Fig. 52)



52

Also in case of the Diagonal, stripes pattern, draw the pattern as shown on the Fig. 53.



53

IMPORTANT ADVISE

1. Do not bend the Sheet and Stitch measure scale.
2. Use no pens other than the Special Felt Pen included in the accessories.
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 Feeding lever of the Knit-leader.
5. Press the Clutch button all the way before operating the regulator c/m and m/m.
6. If the Sheet gets stuck on the Feed wheel, turn the Feeding dial backward to release the Sheet.
7. To erase a pattern, wipe the Sheet with a wet cloth.
If the Sheet is dirty, clean it with neutral detergent.