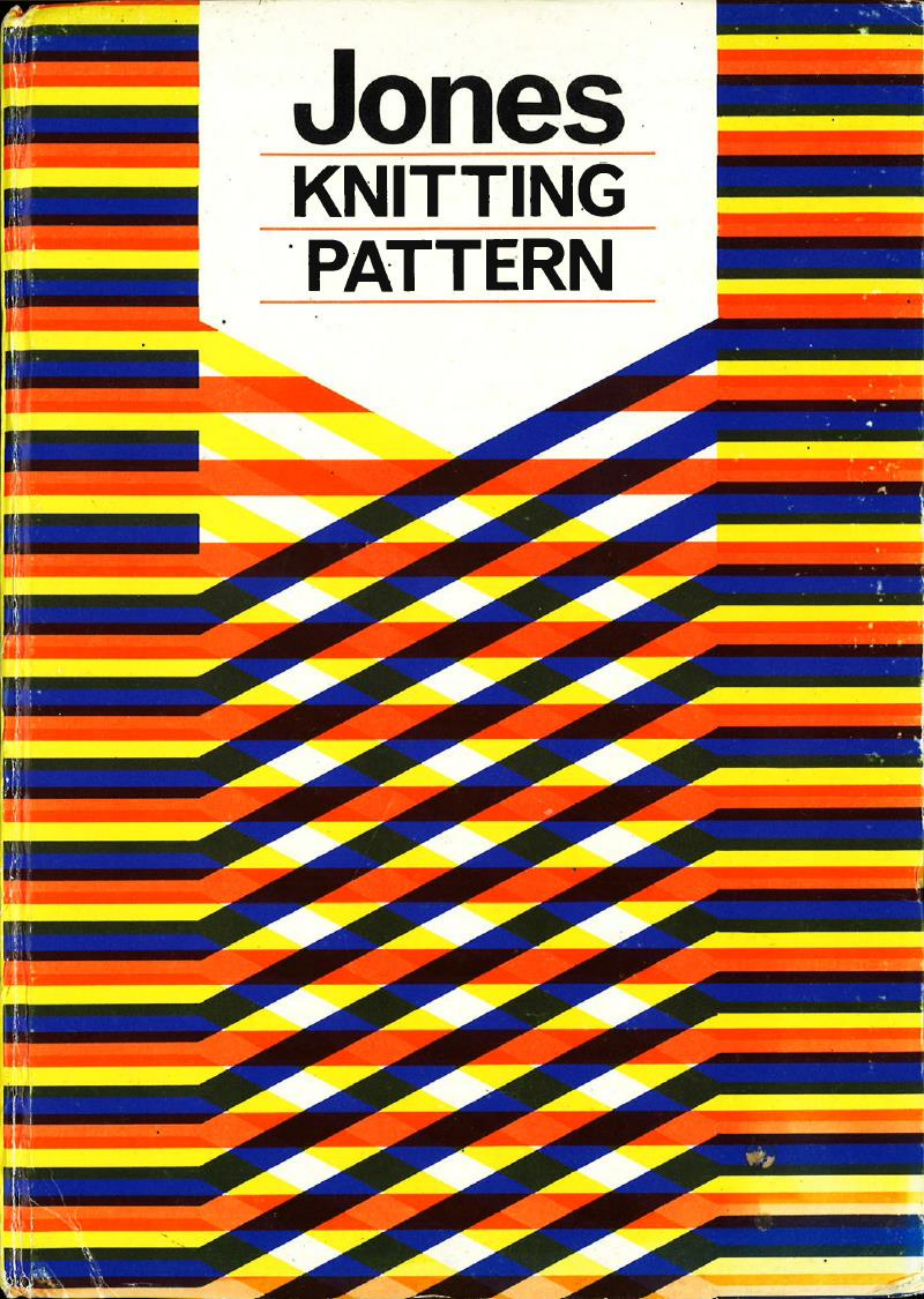


Jones

KNITTING

PATTERN



Jones

DESIGN · FIGURE · KNITTING

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- Ribbing Patterns

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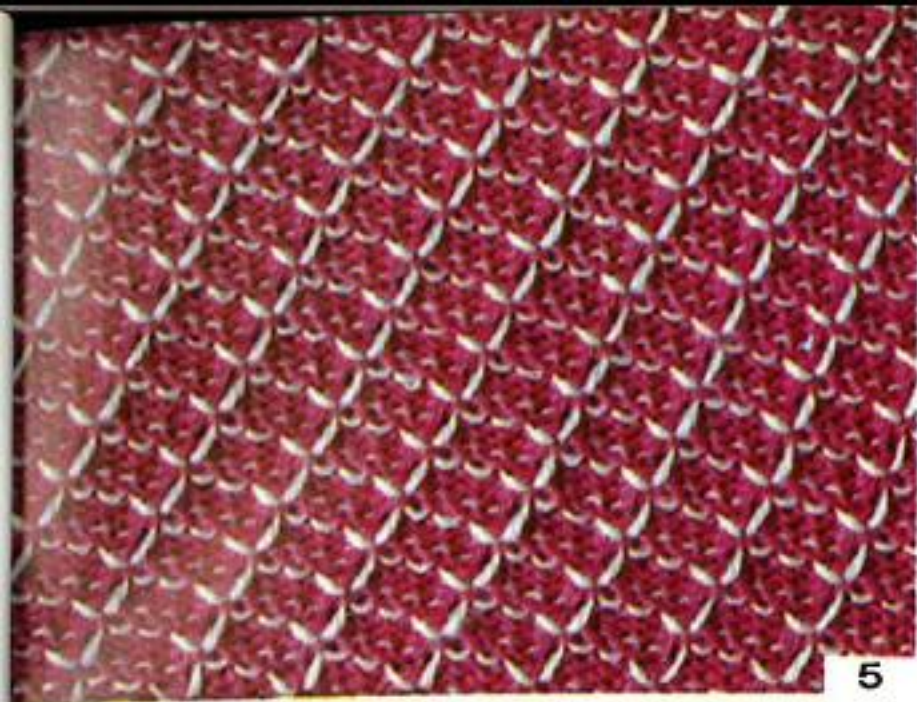
Pull-Up Pattern Stitches

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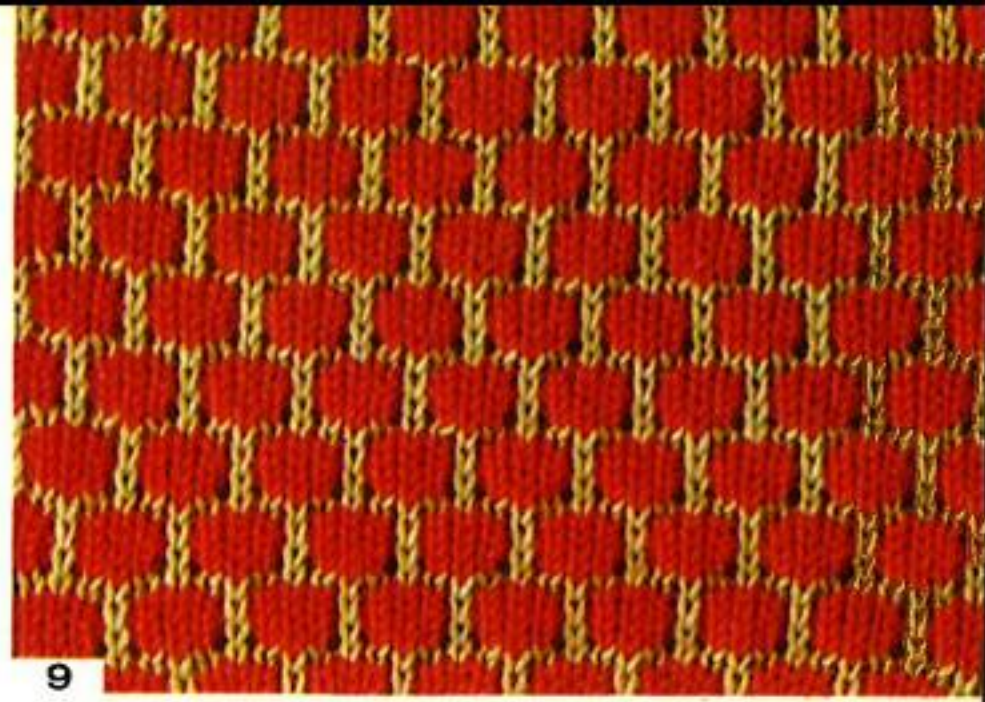
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From 1 to 8





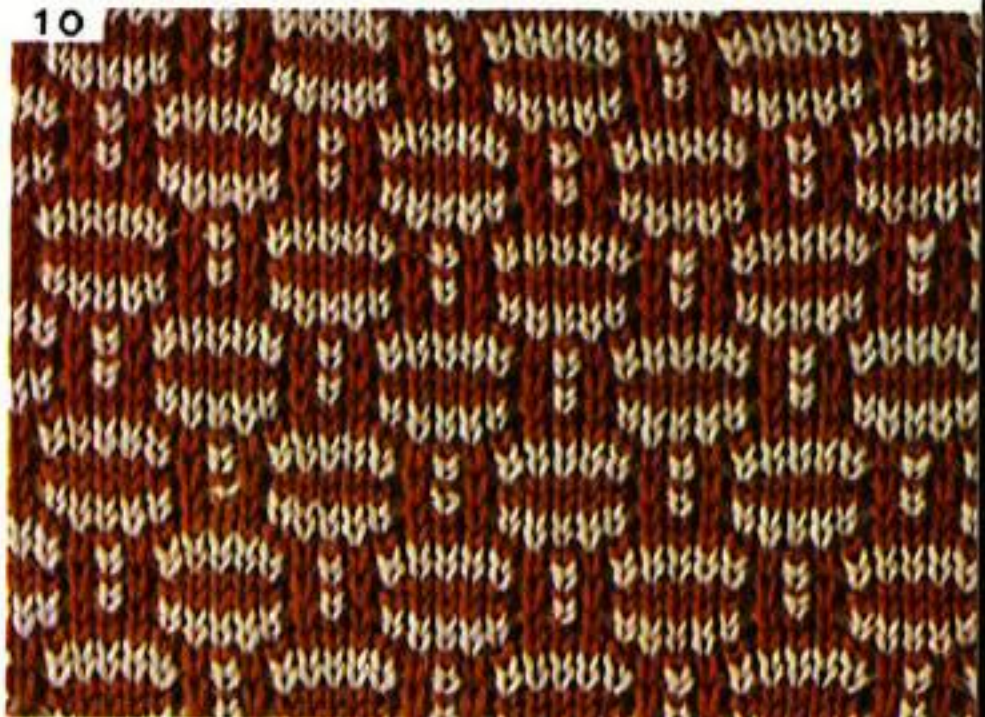
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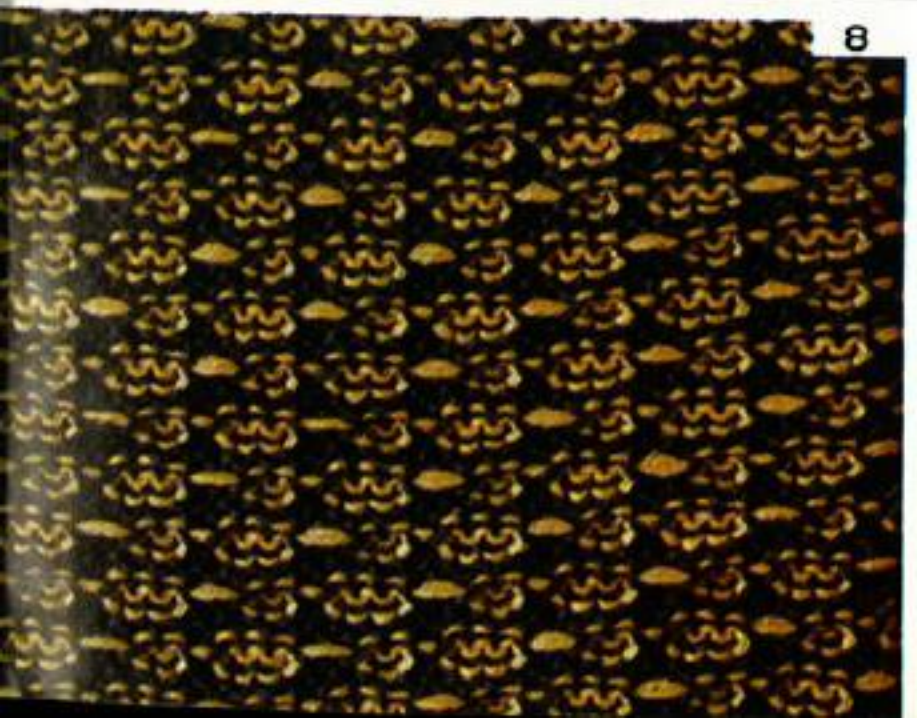
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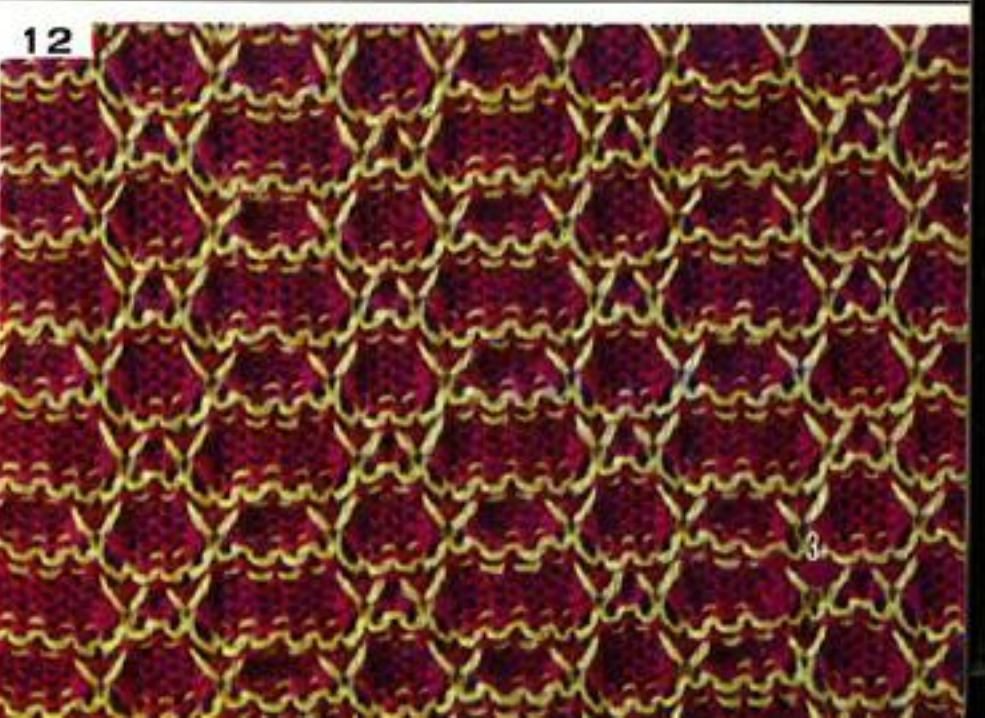
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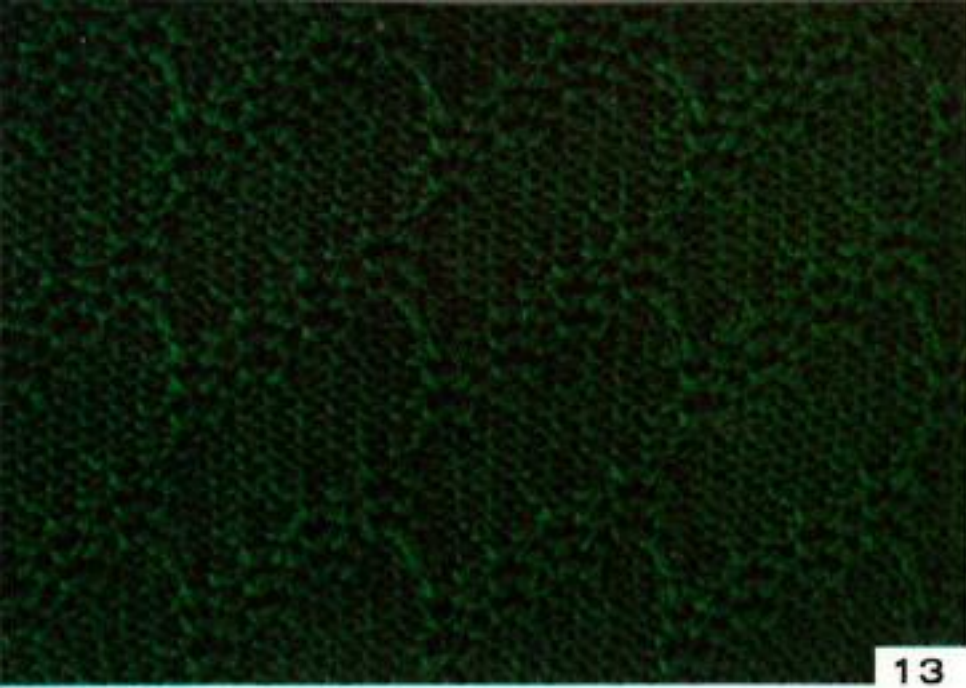
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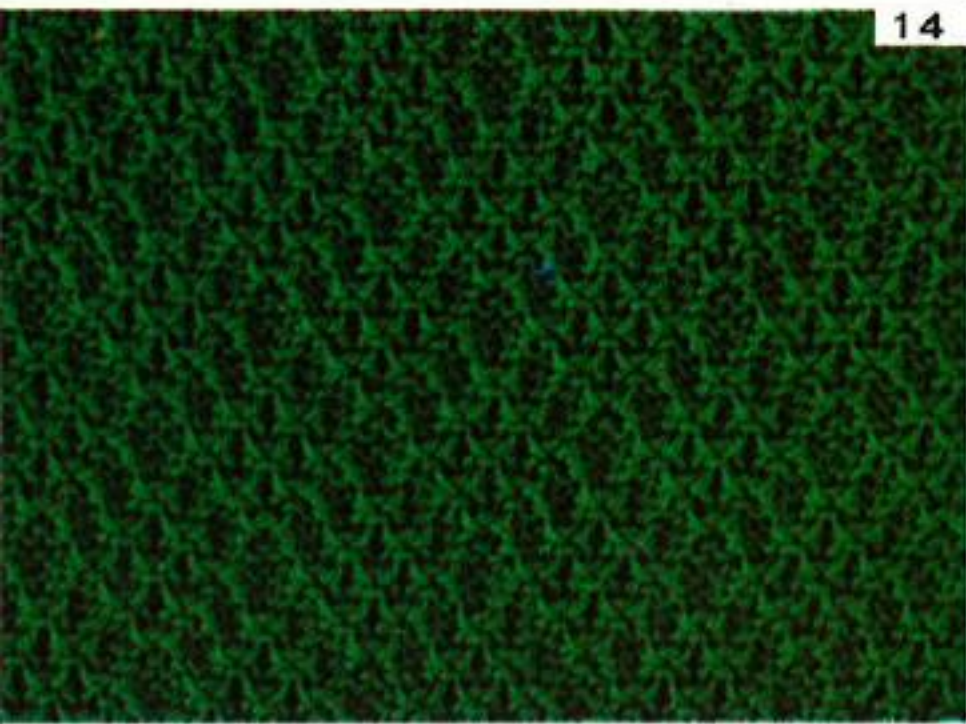
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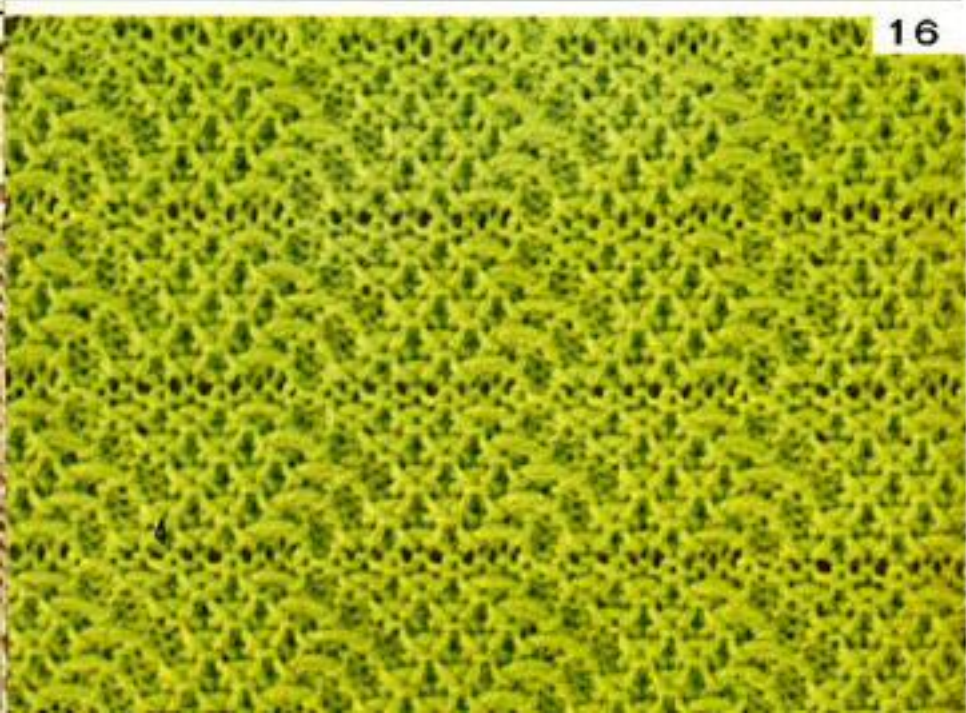
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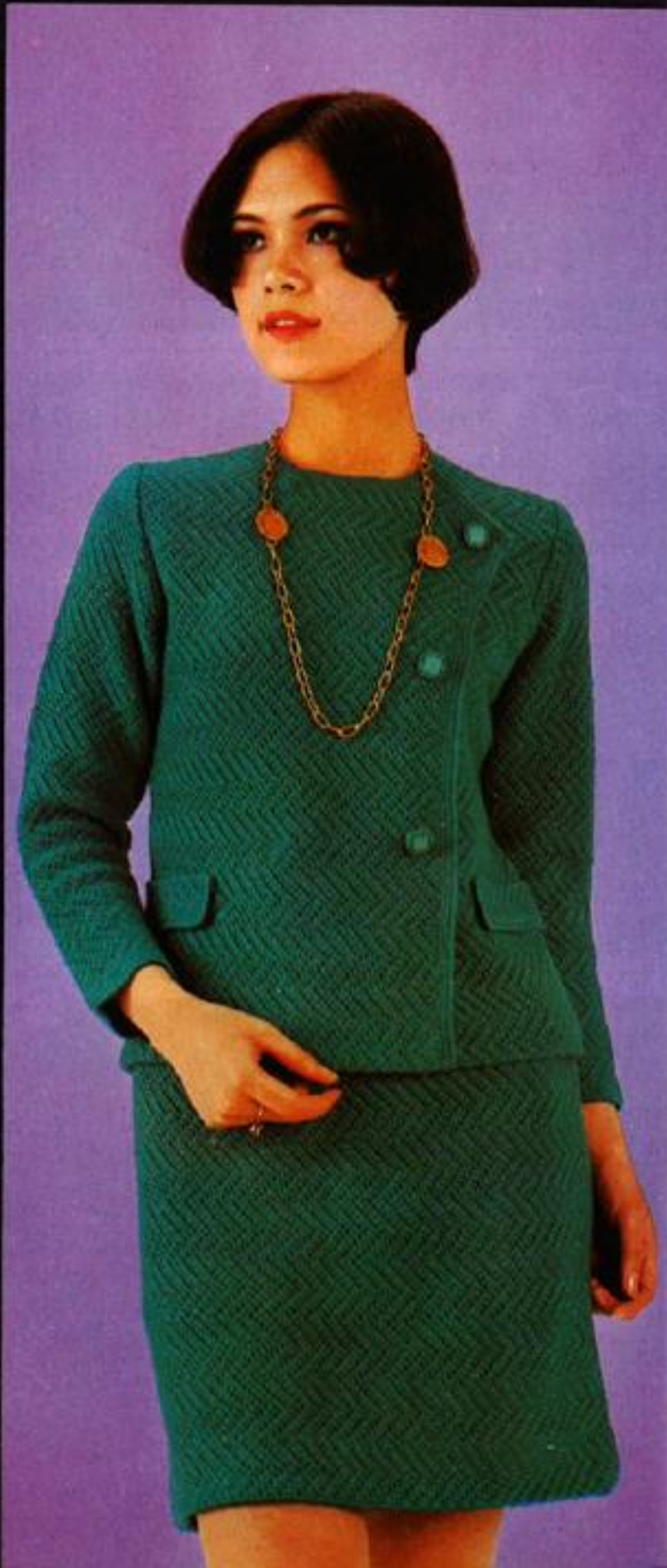


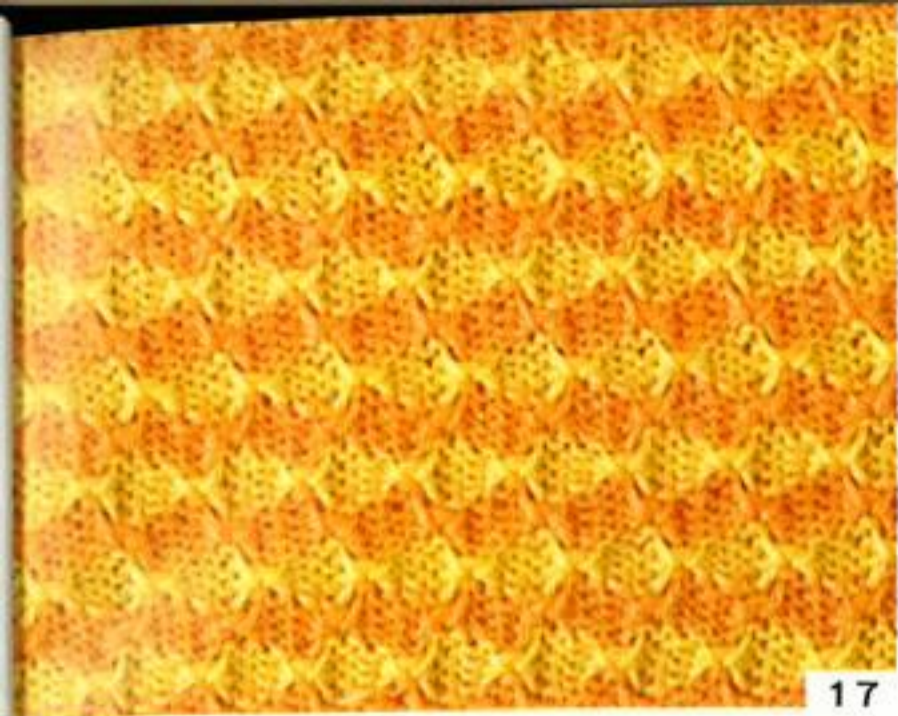
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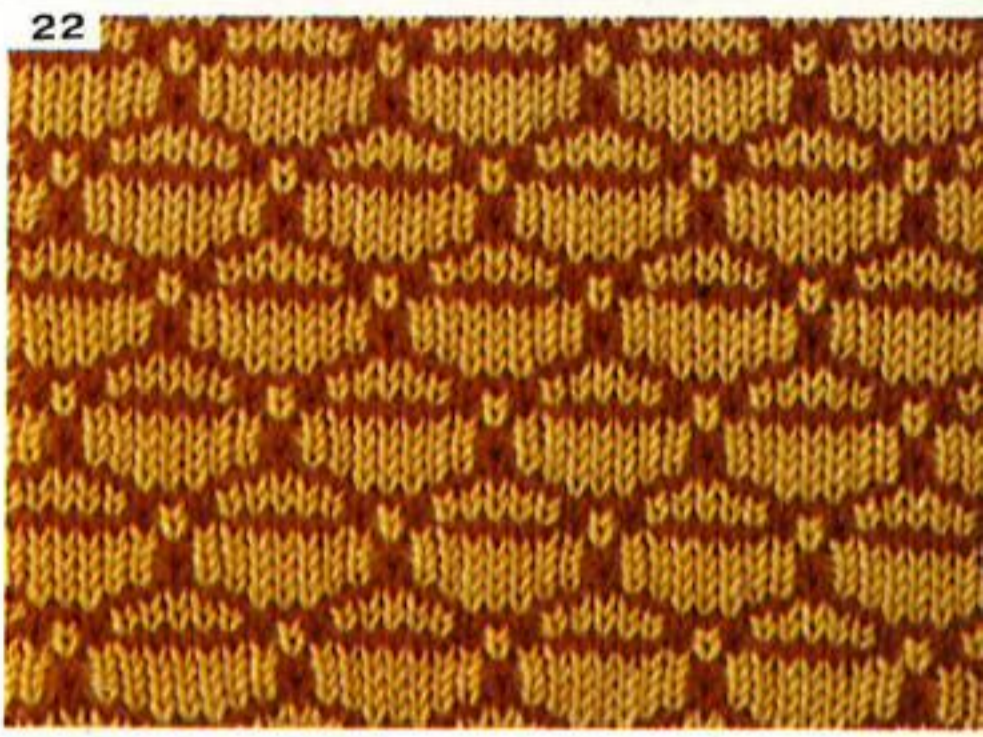
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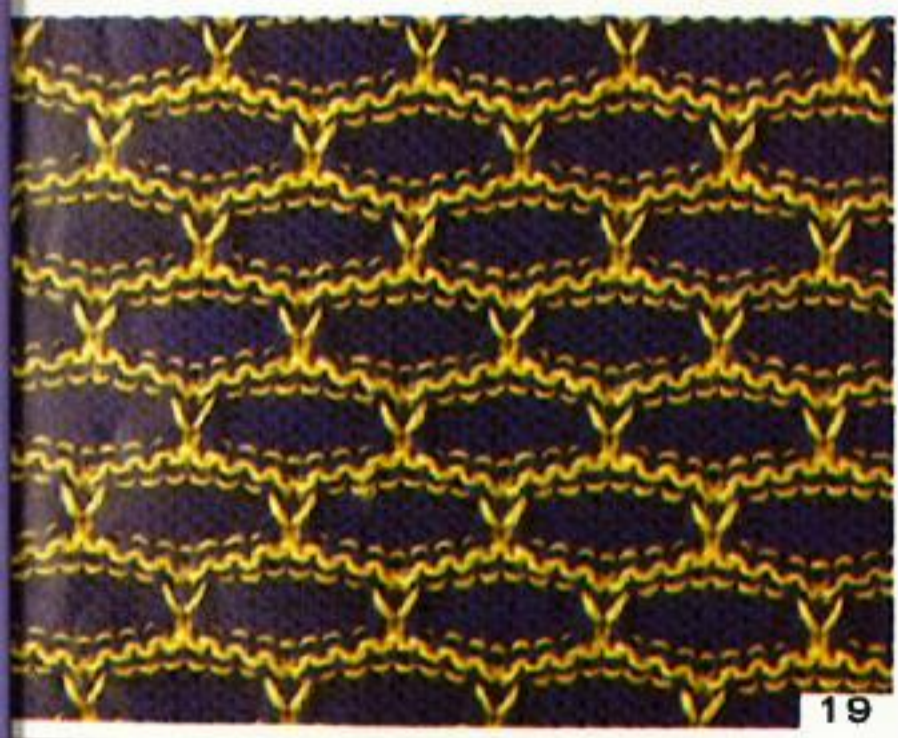
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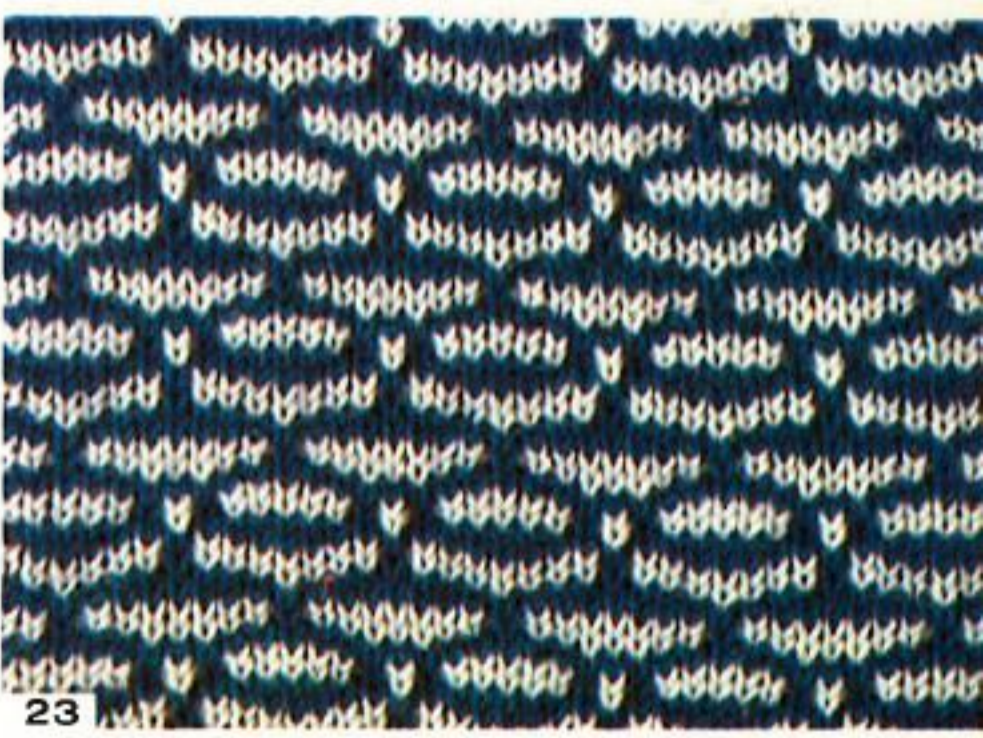
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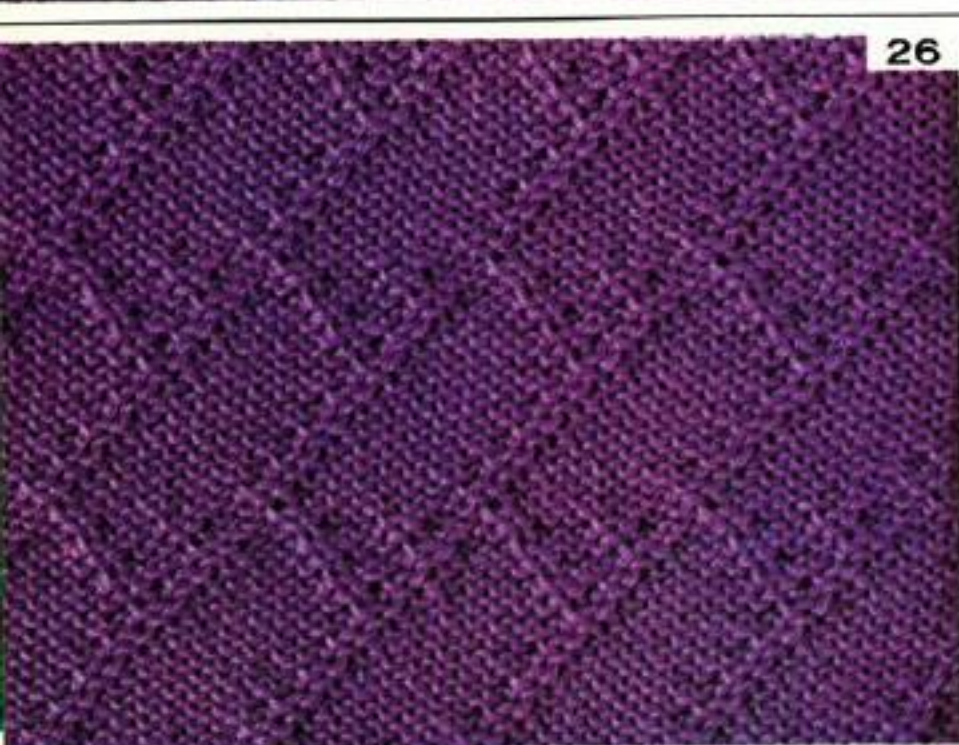
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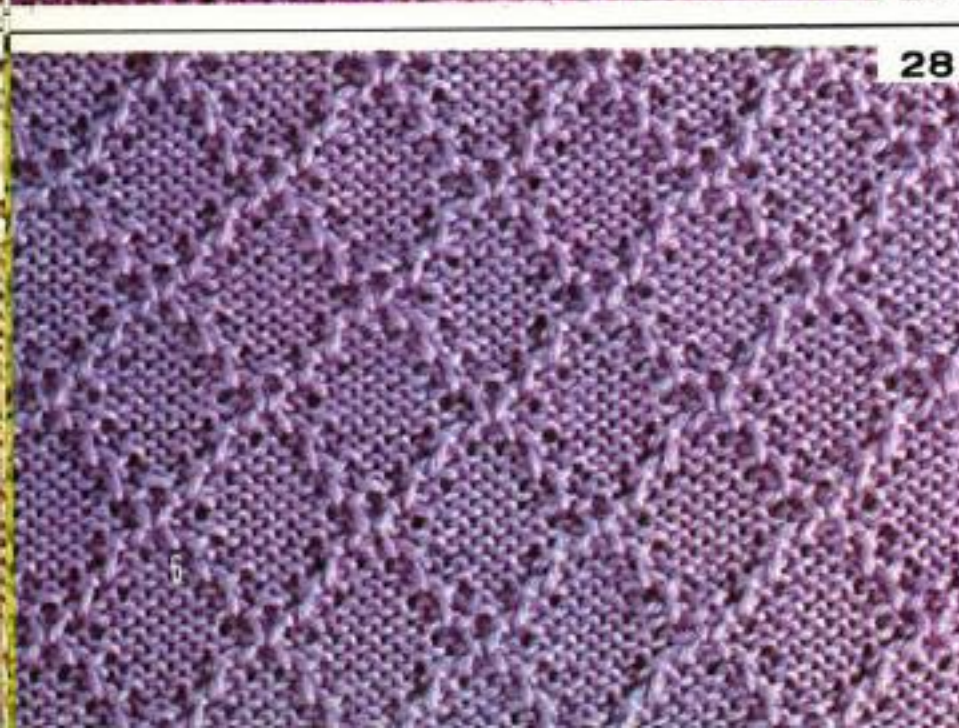
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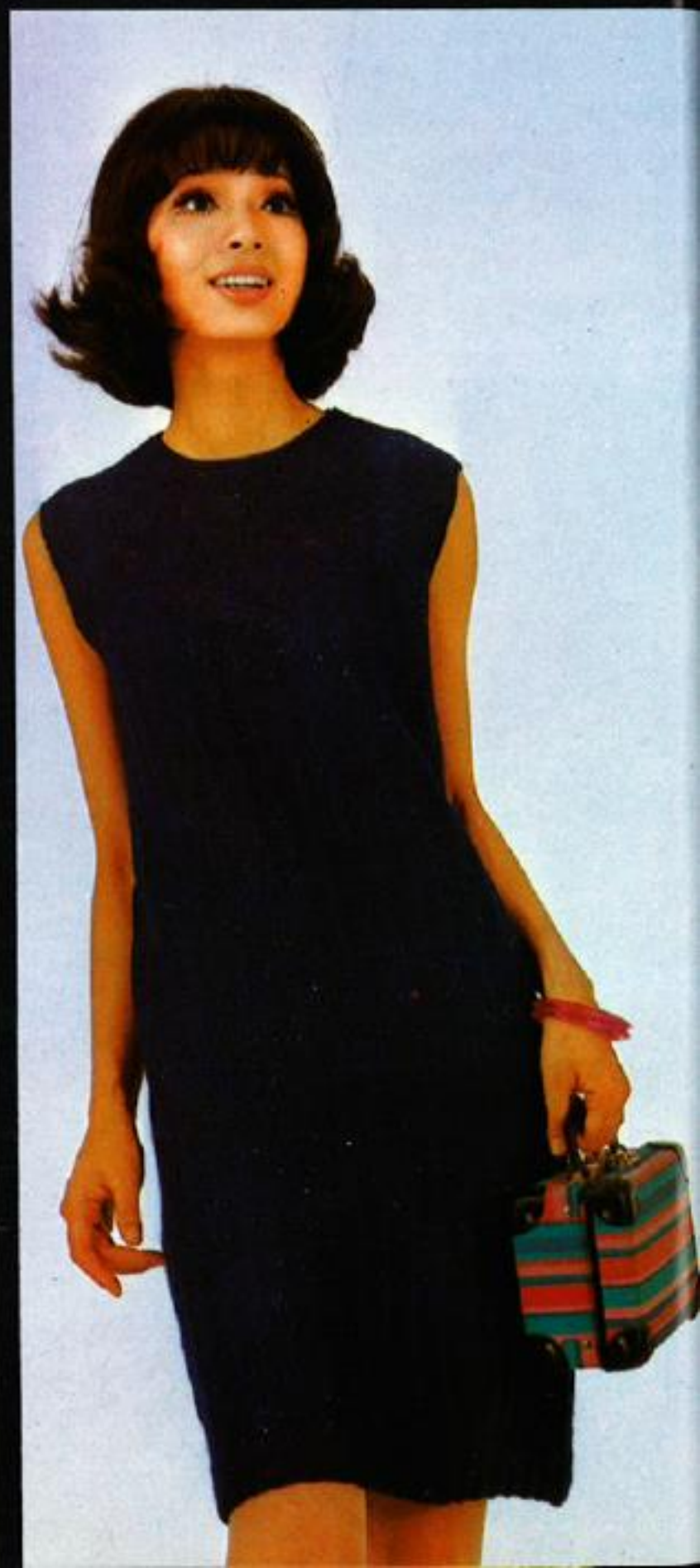


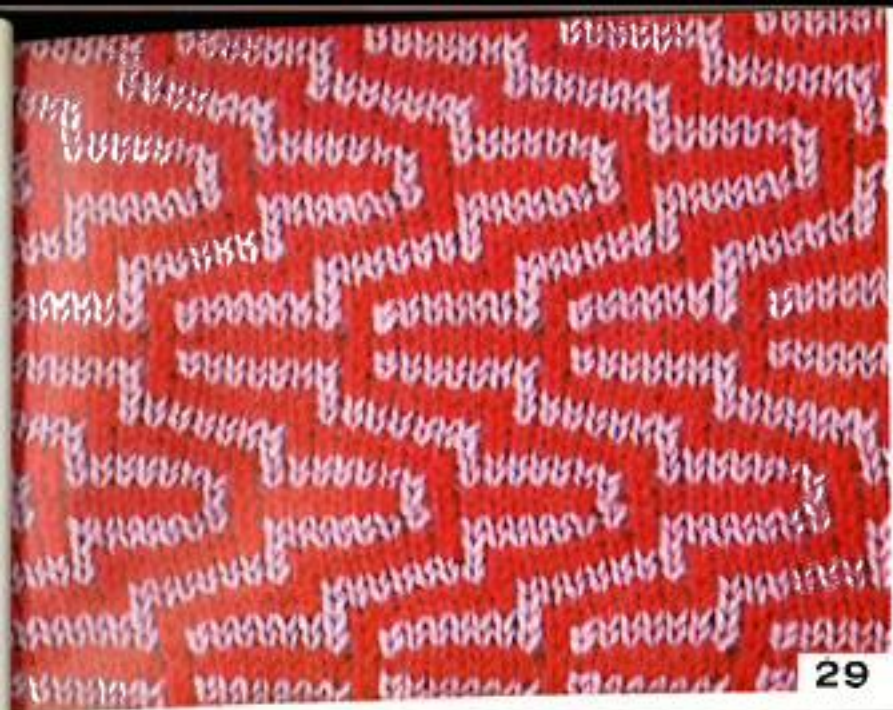
Tuck Stitch Pattern

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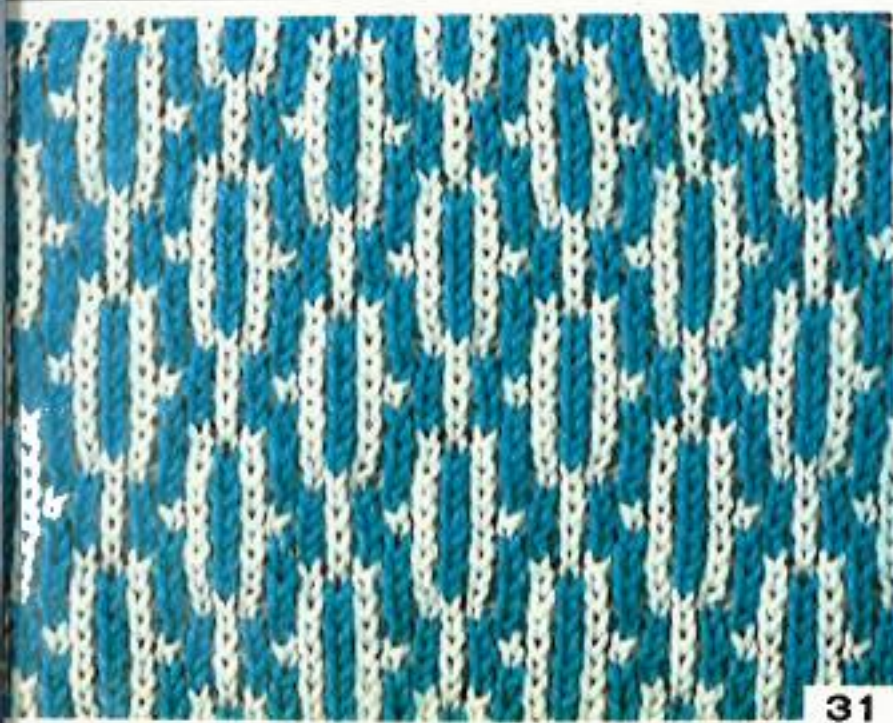
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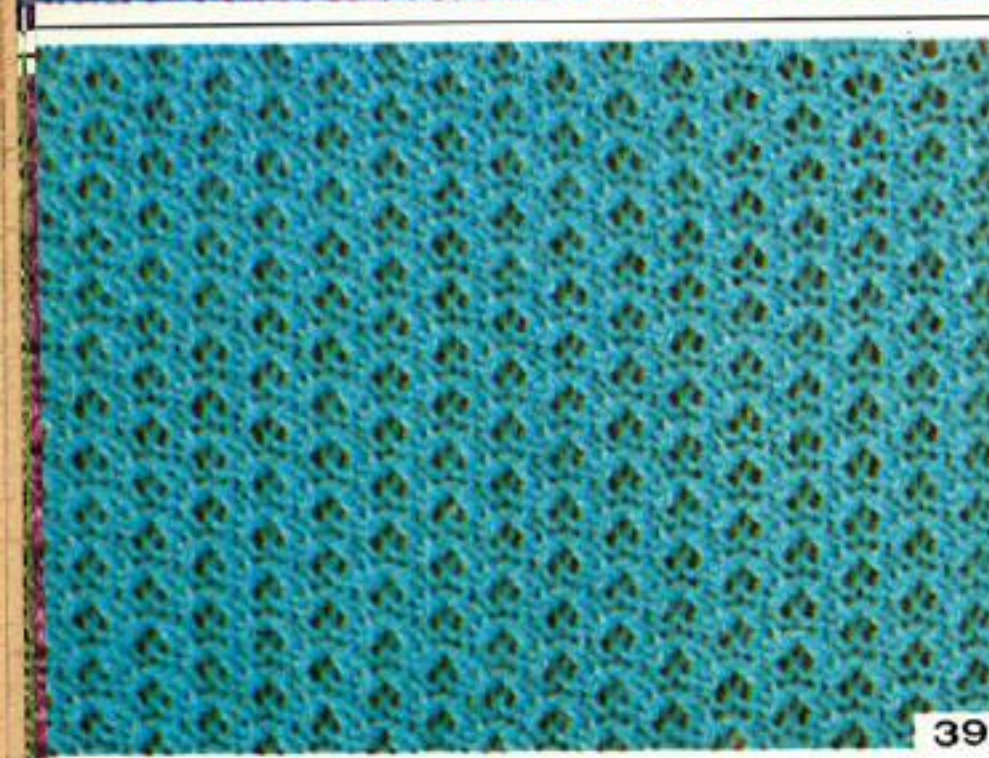
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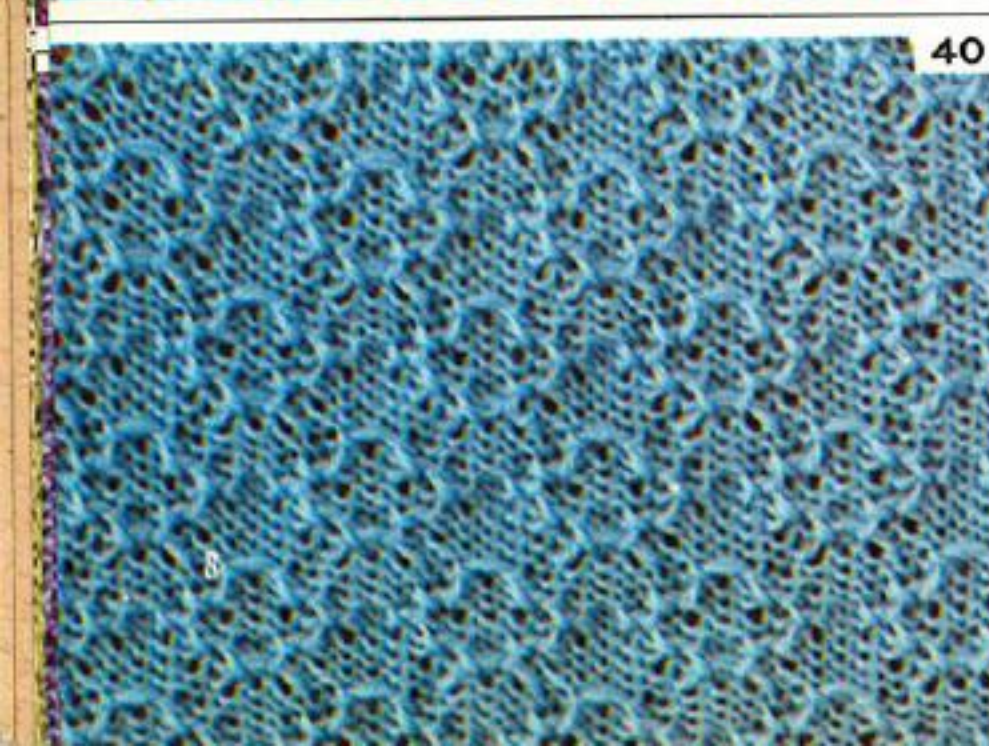
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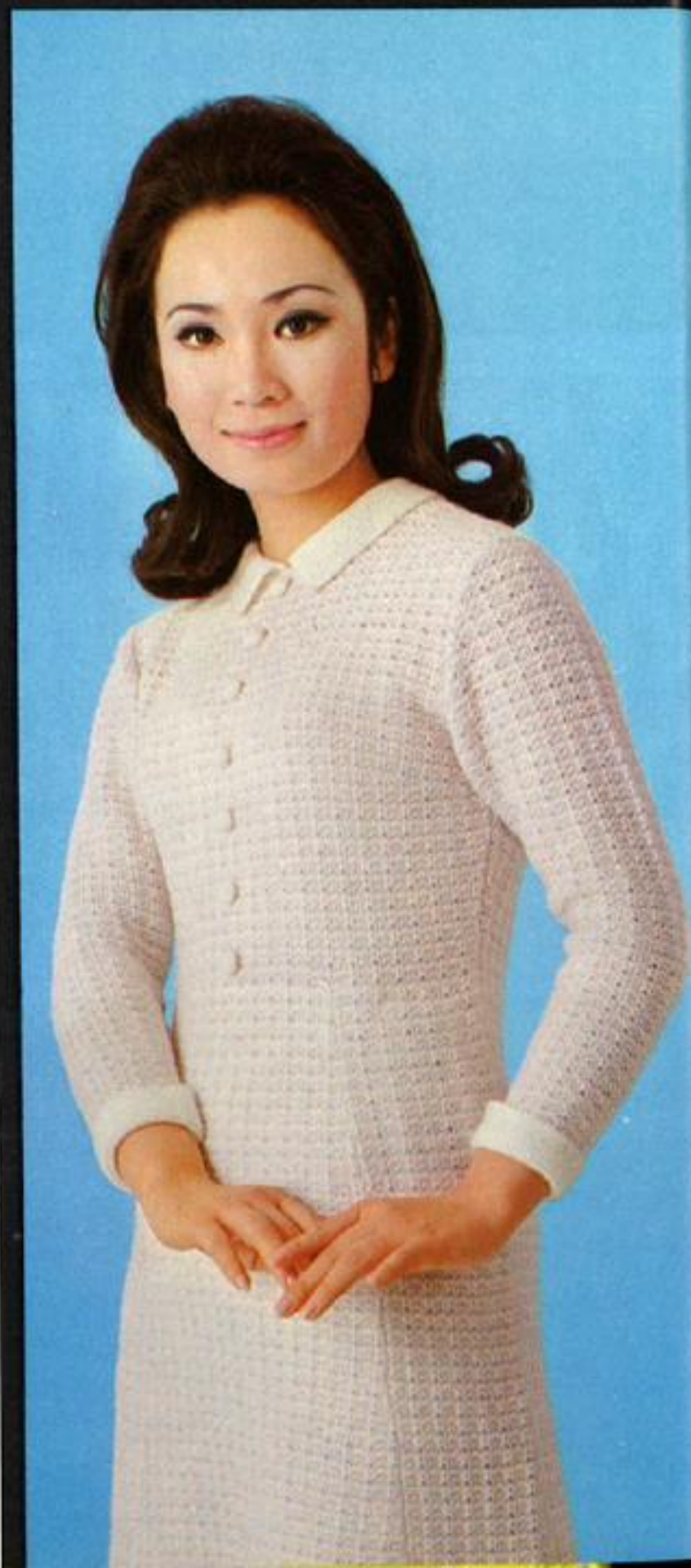


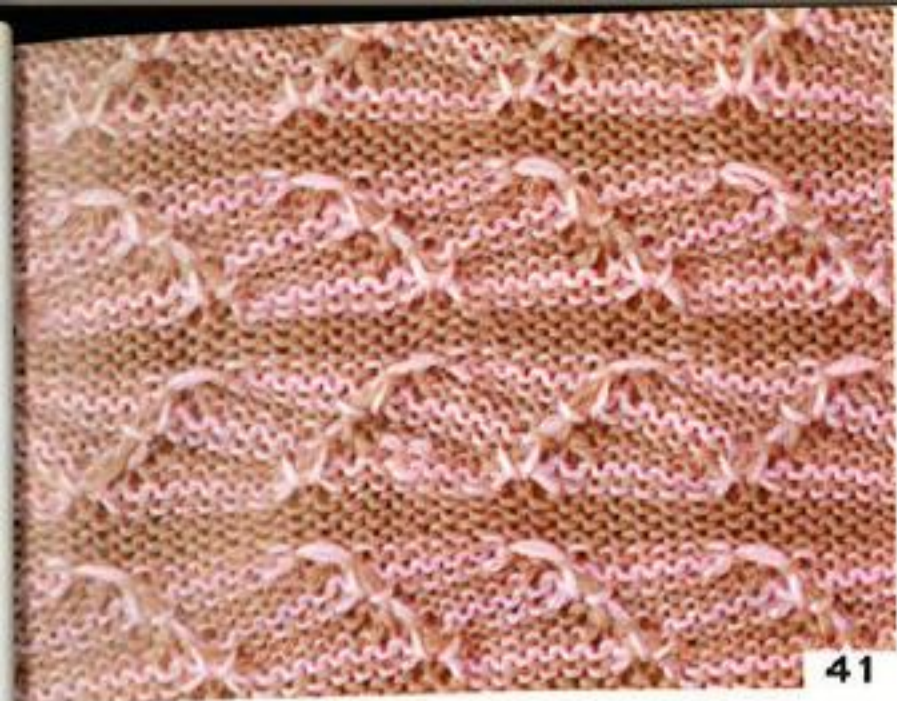
Tuck Stitch Pattern

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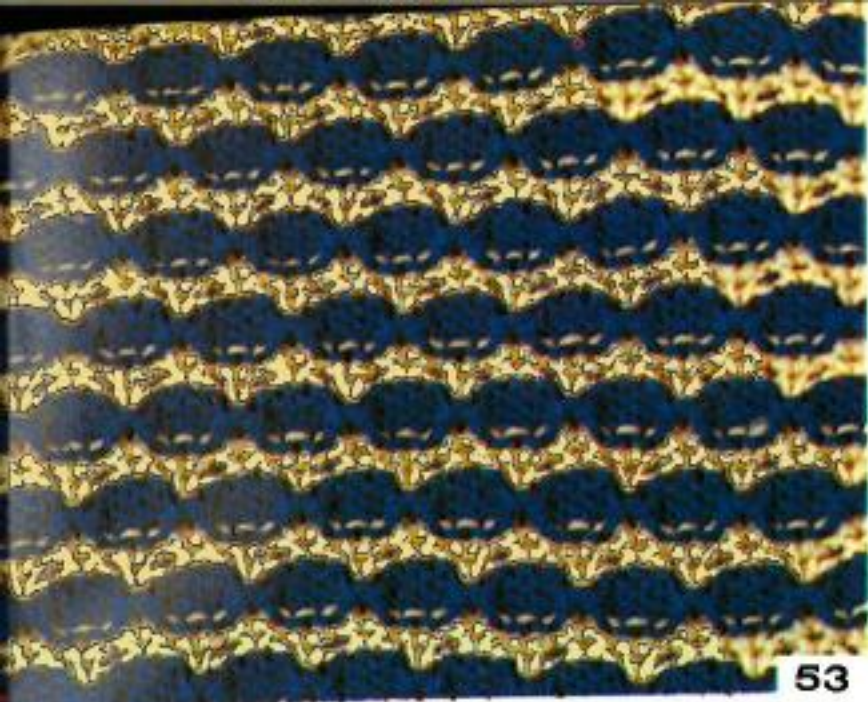


Pull-Up Tuck Stitch Patterns

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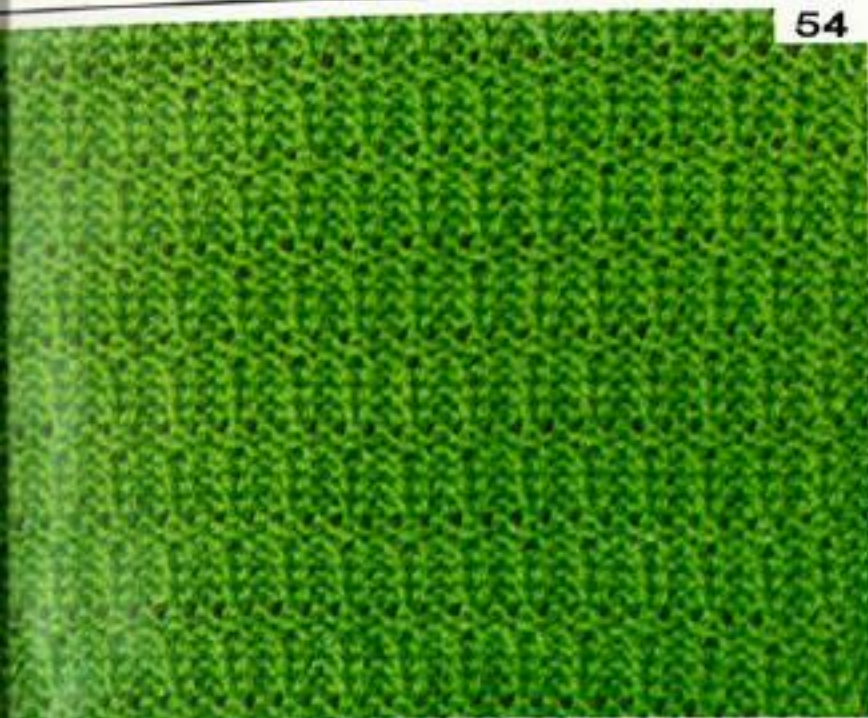




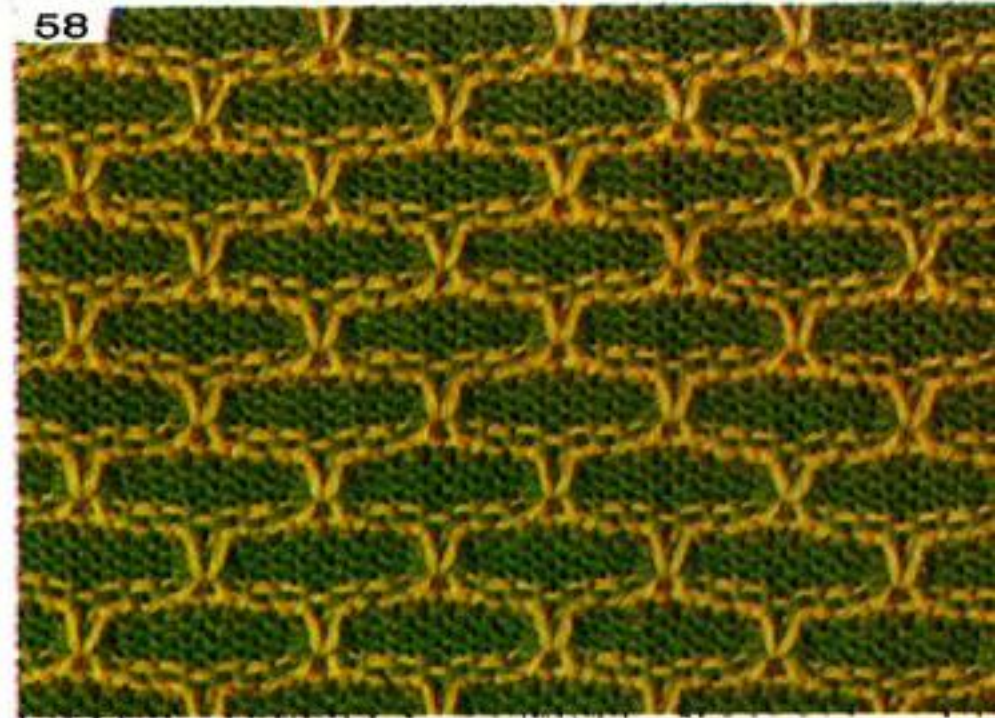
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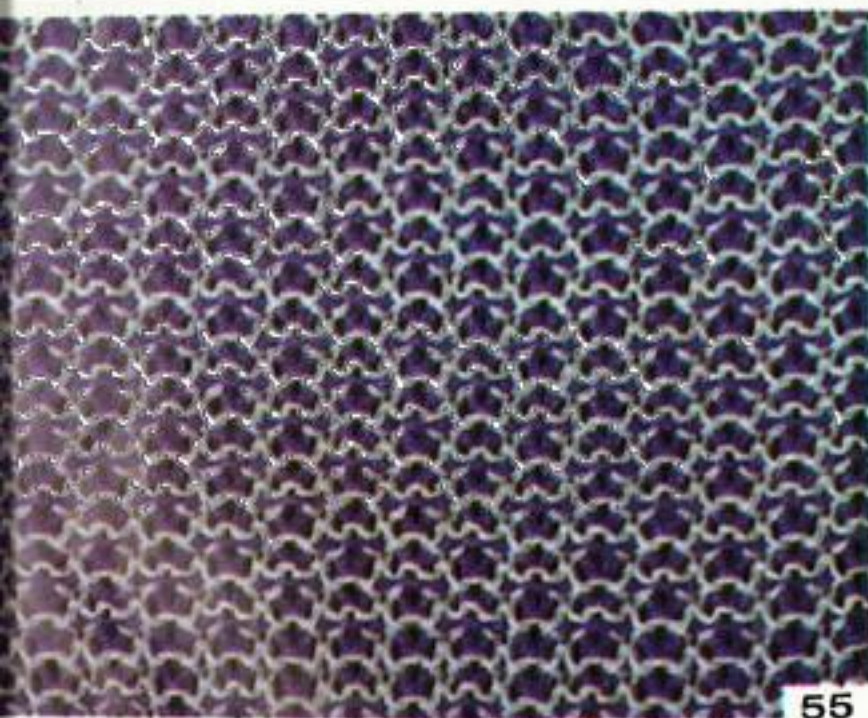
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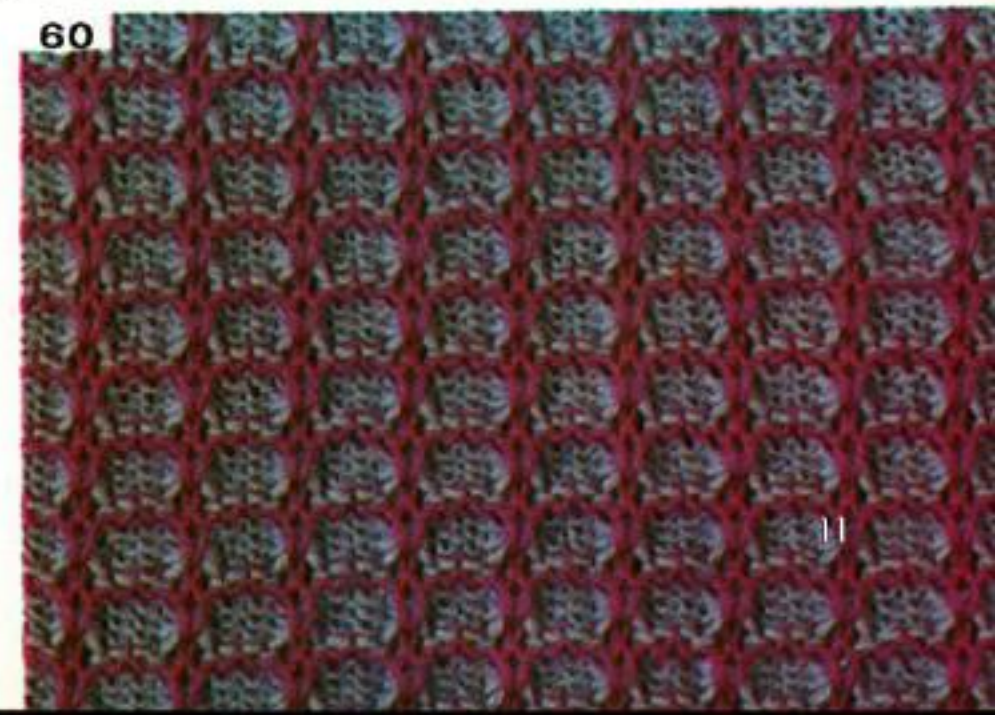
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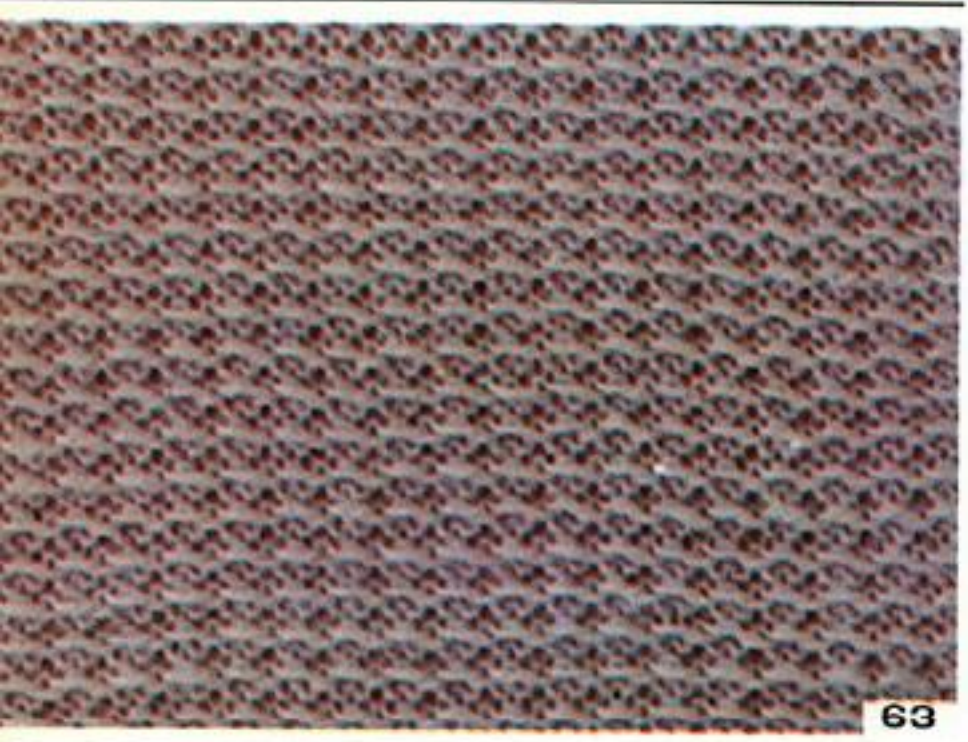
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Lace-Like Pattern

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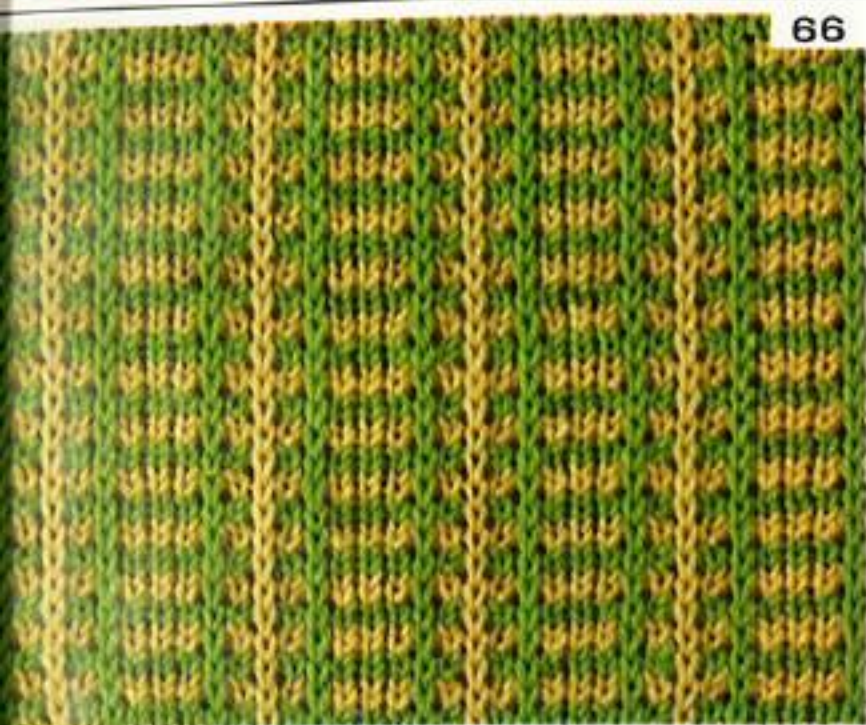




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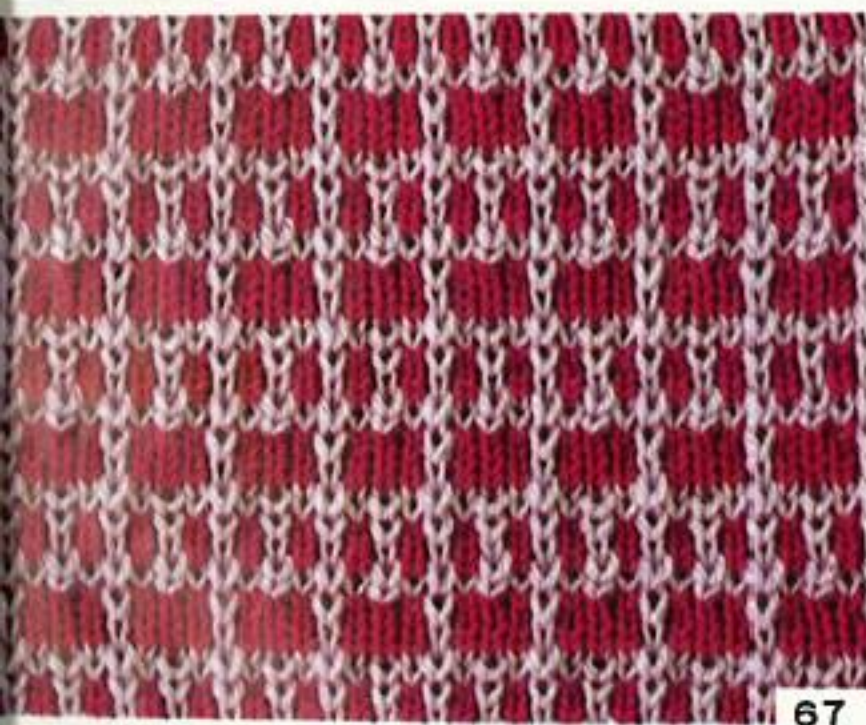
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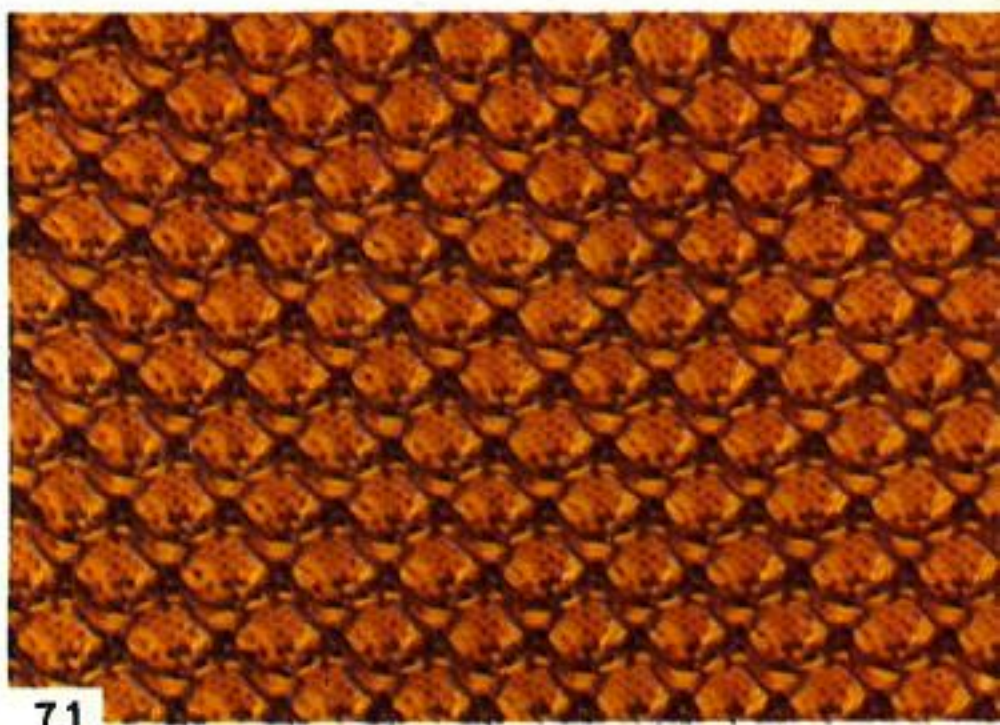
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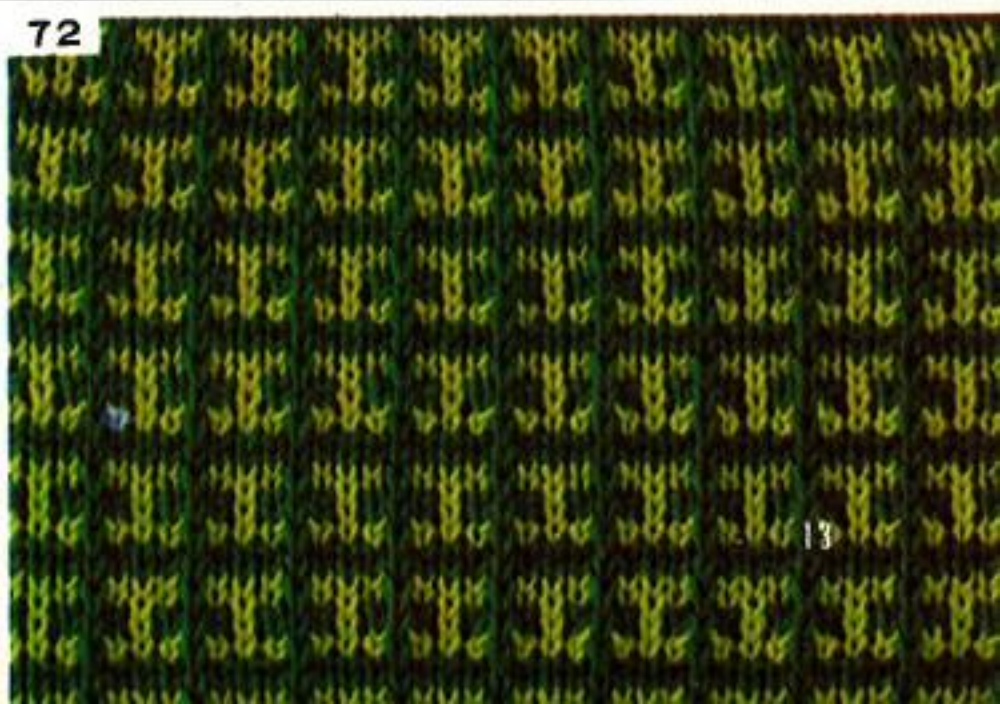
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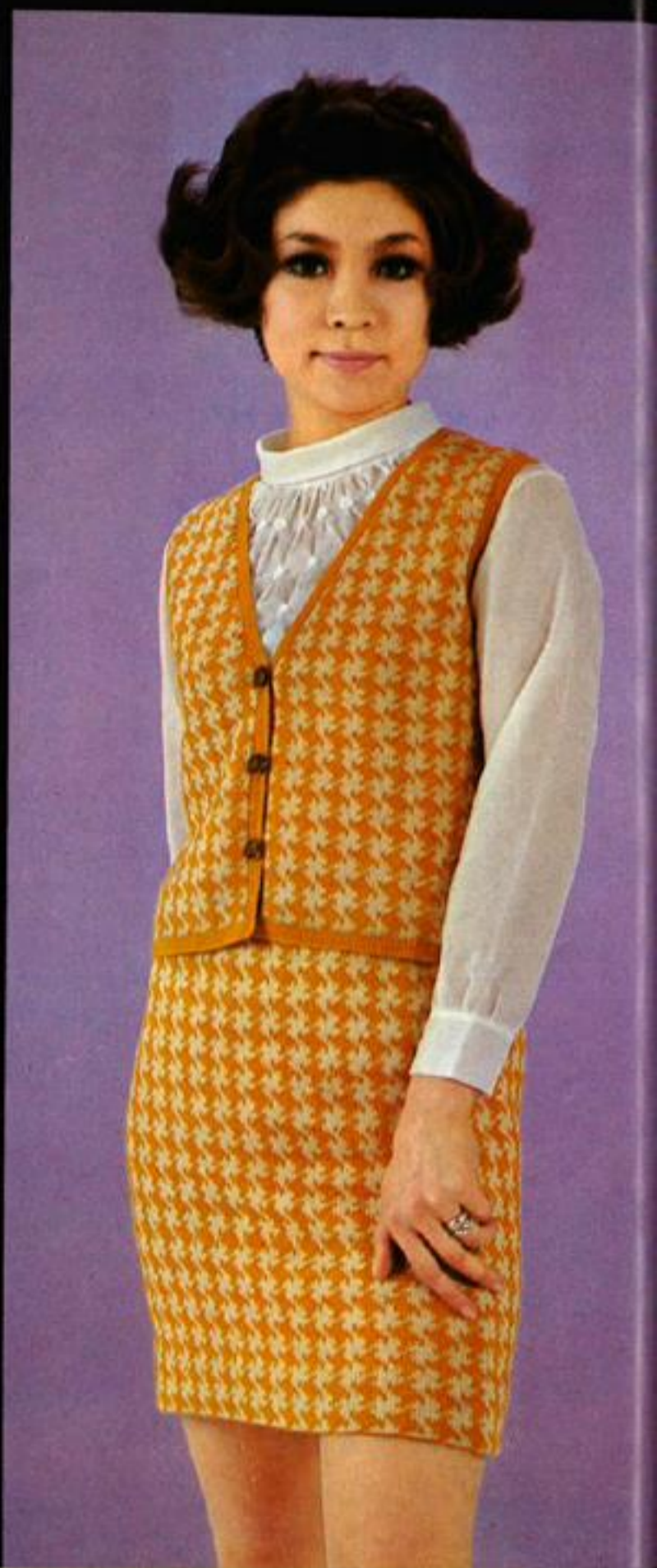


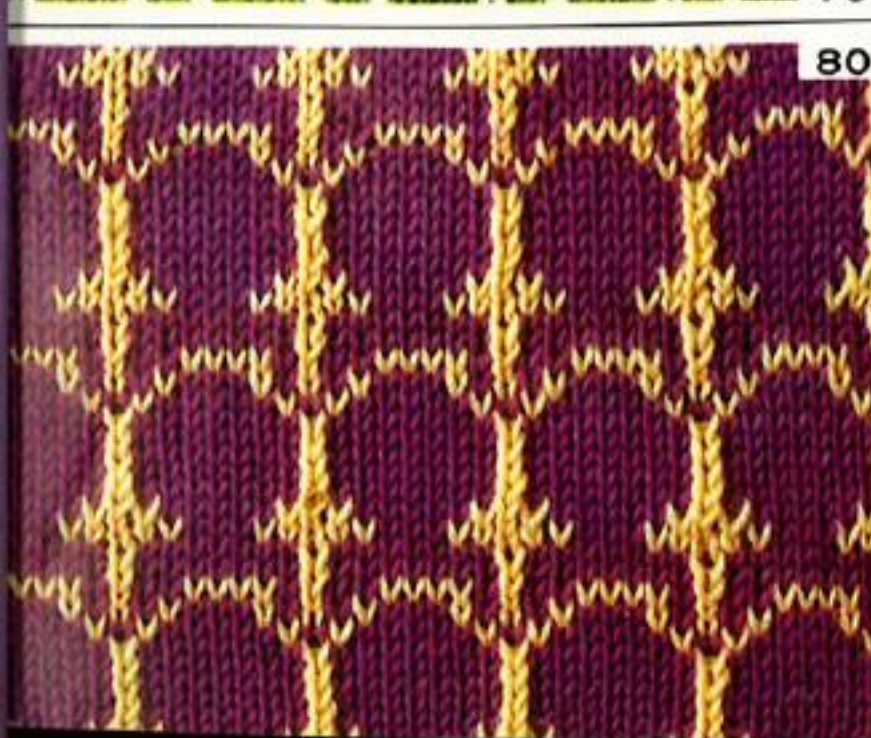
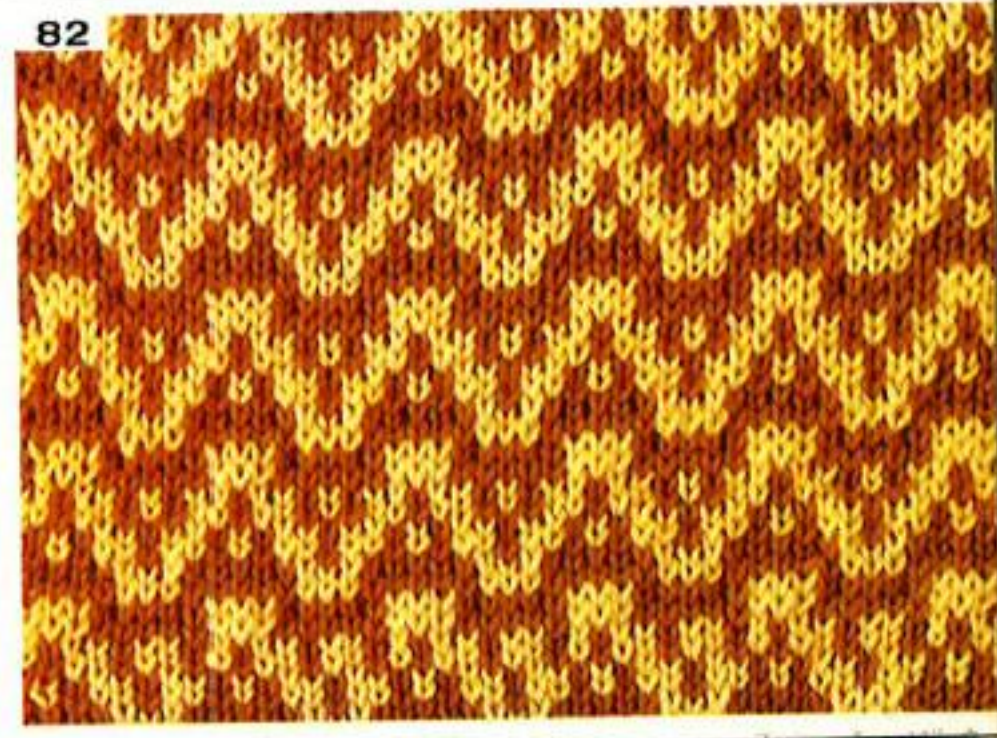
Fair Isle Patte

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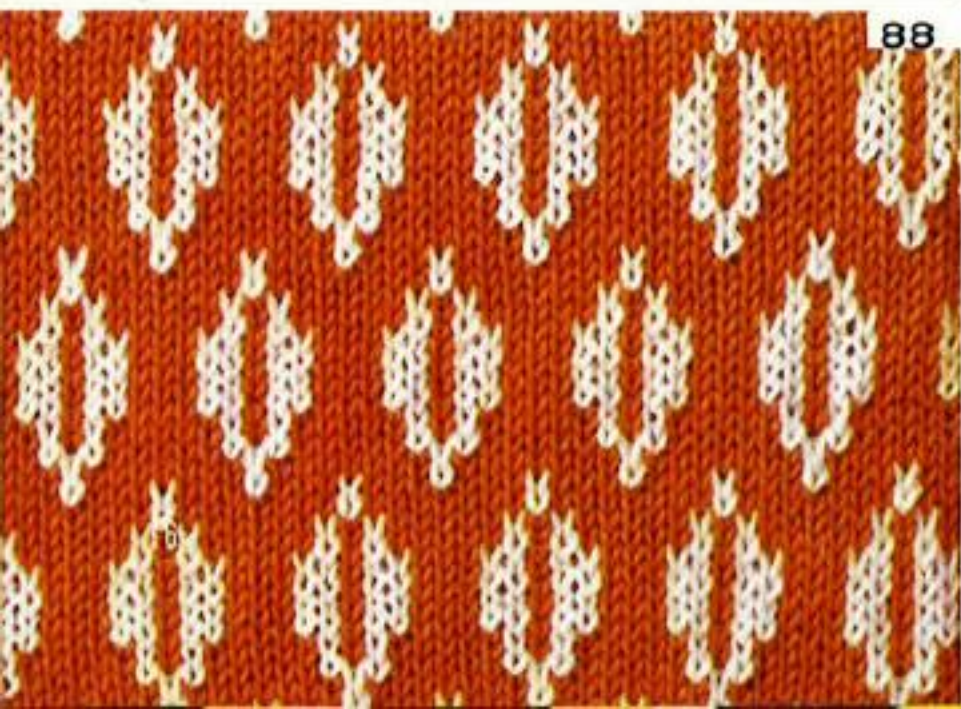
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Fair Isle Pattern

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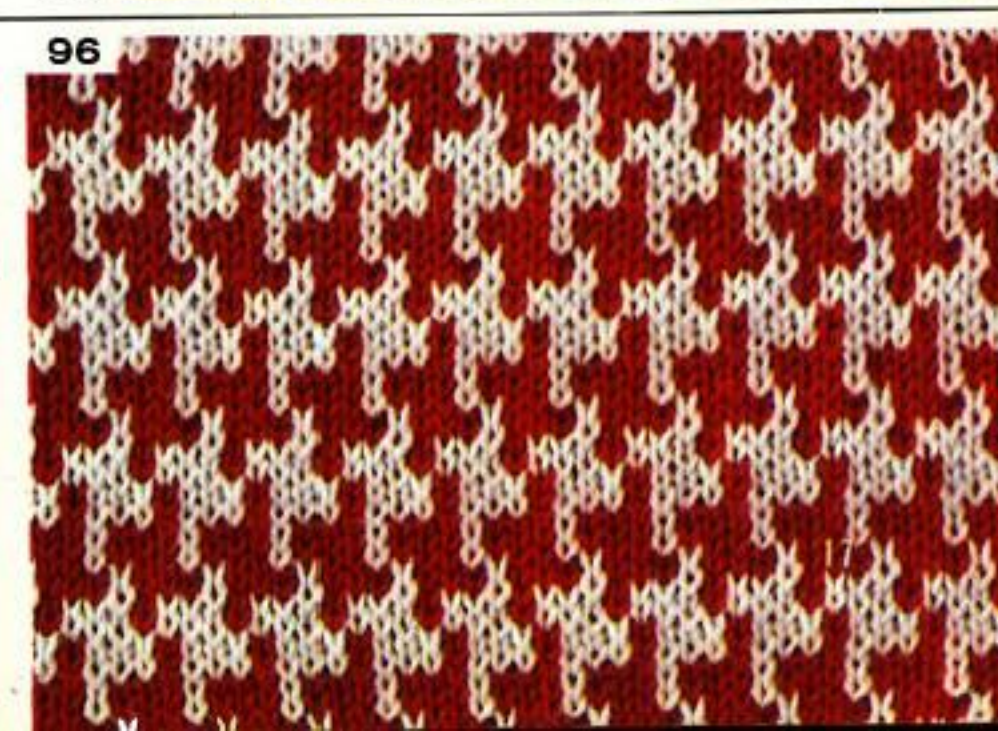
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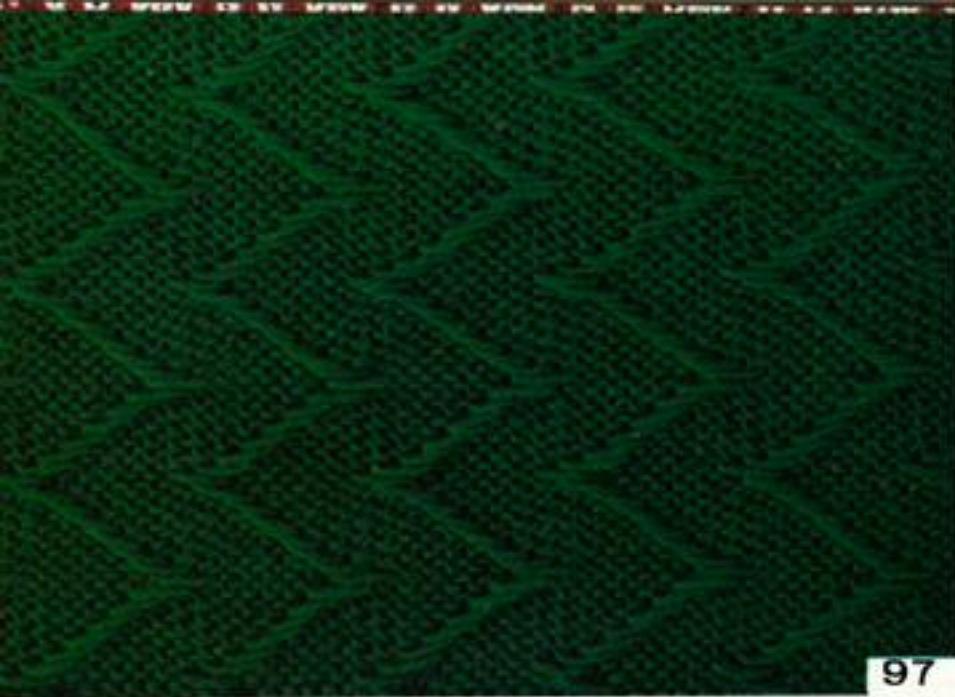
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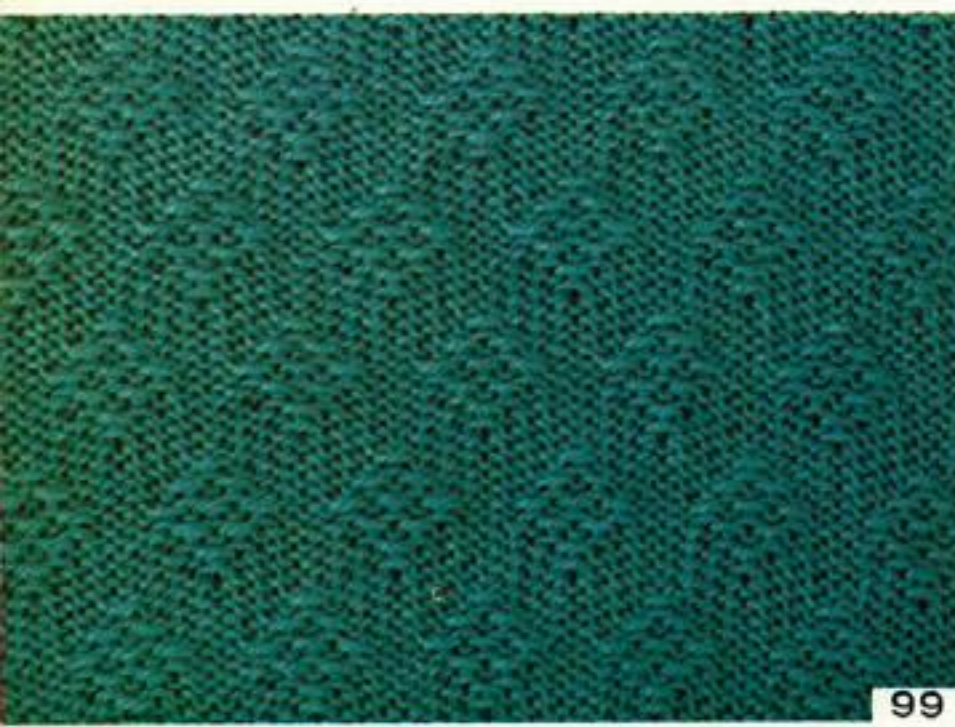
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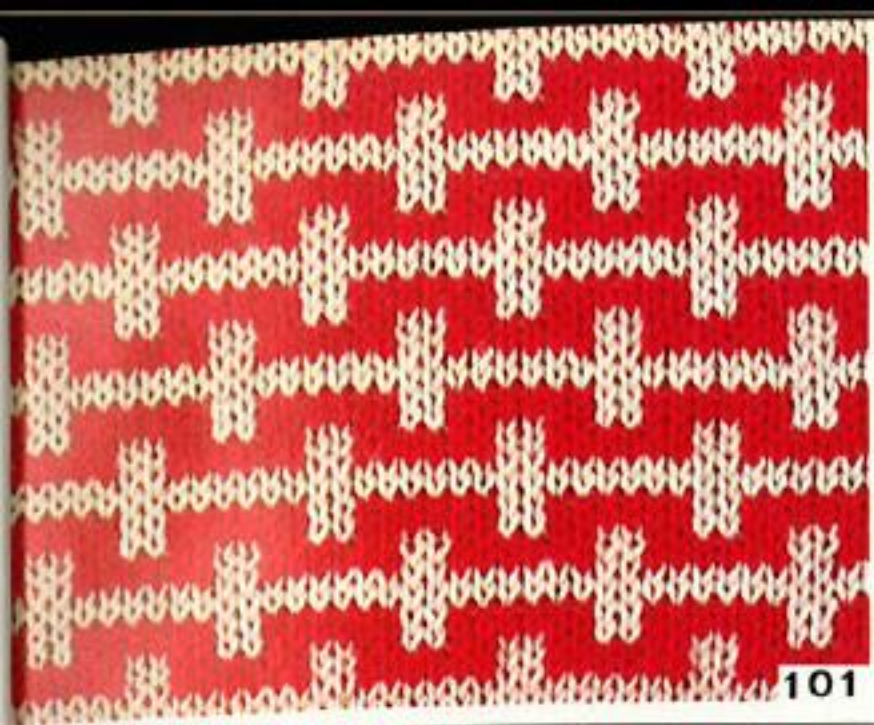
Slip Stitches

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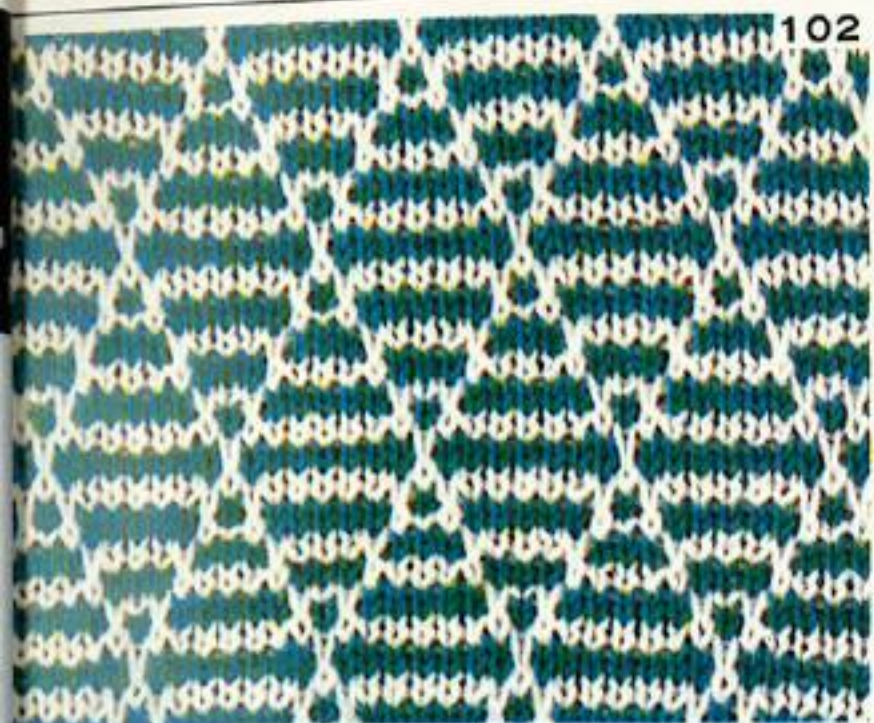




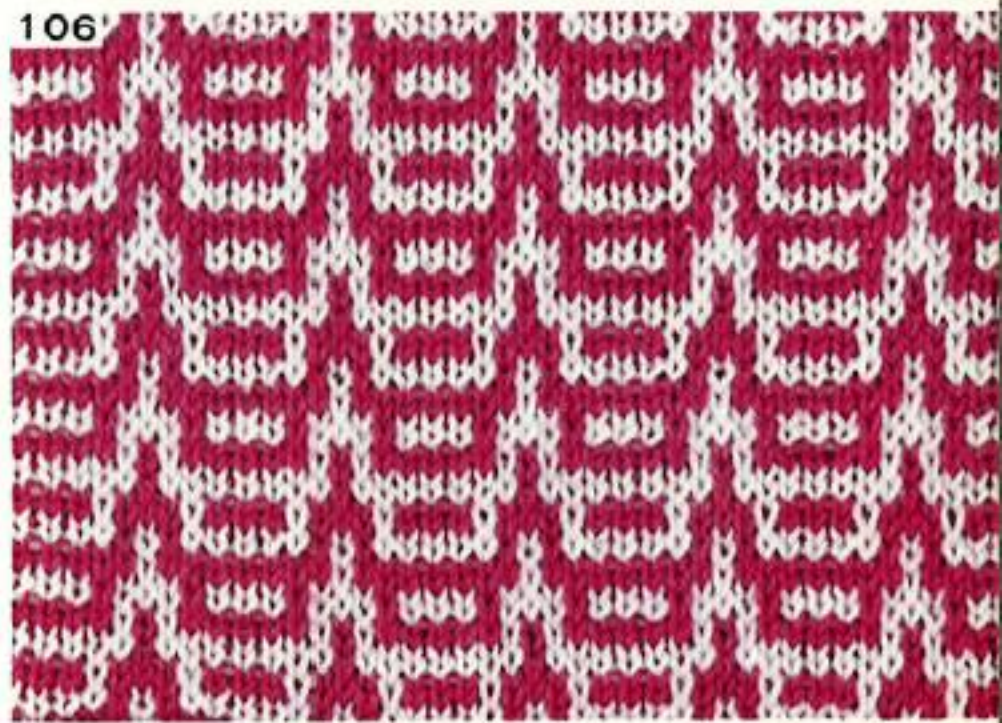
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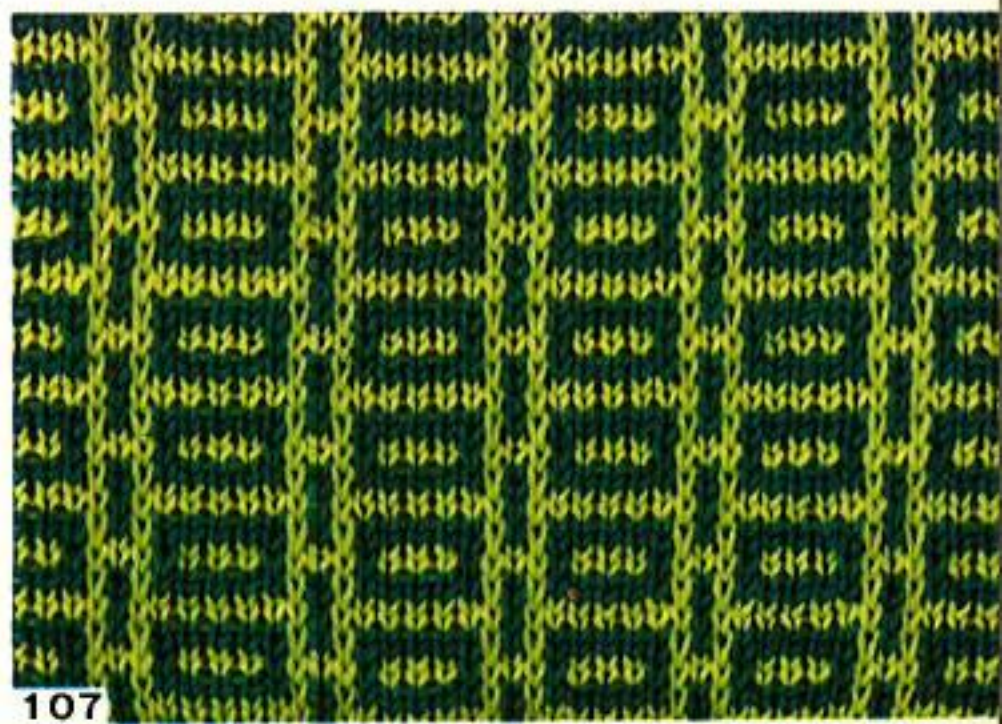
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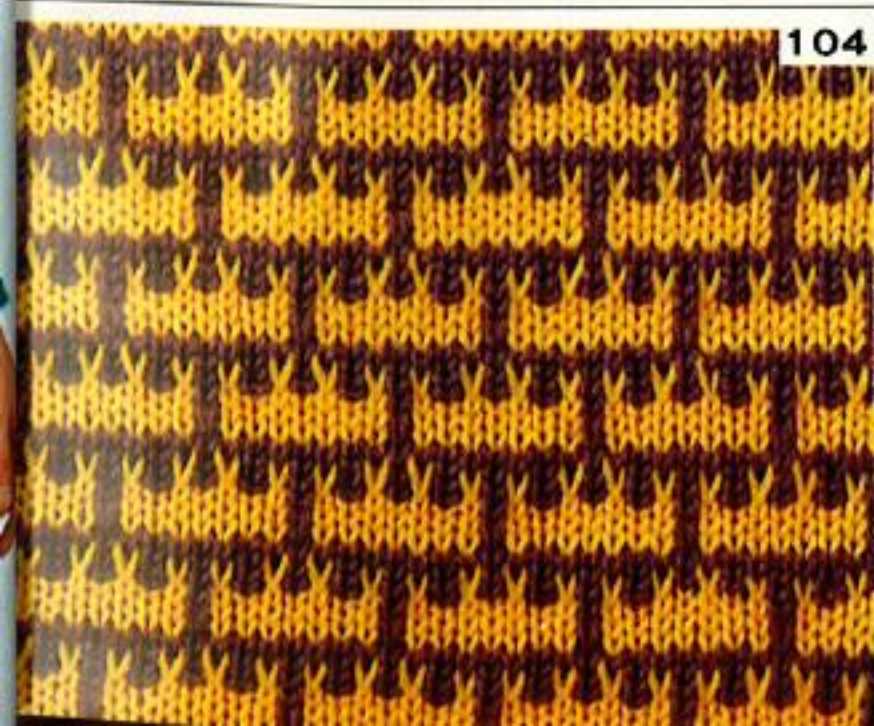
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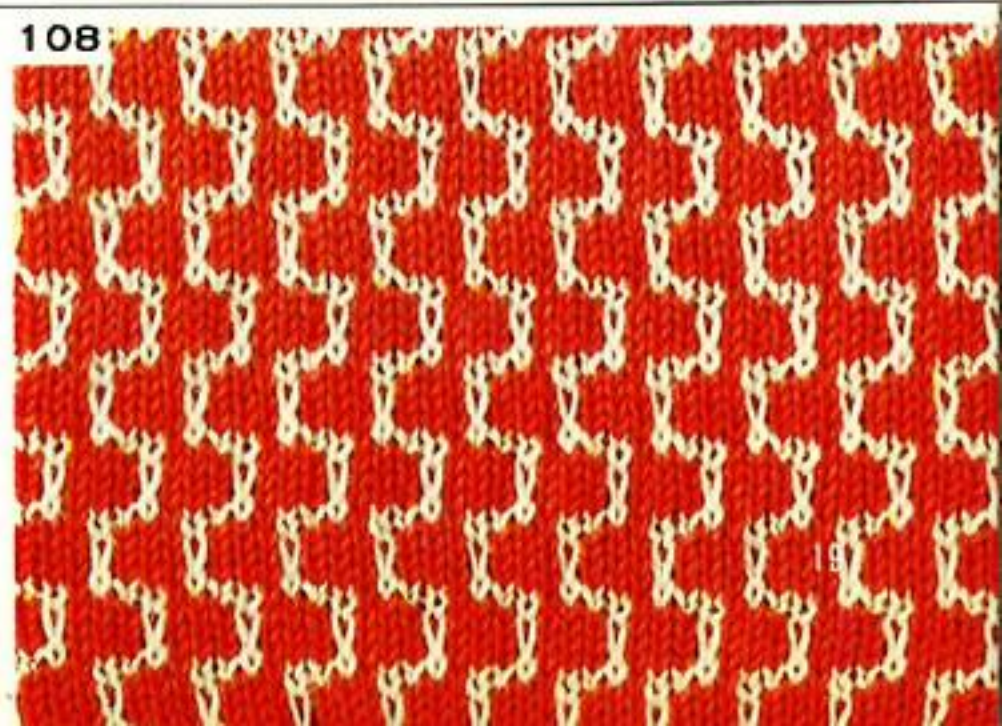
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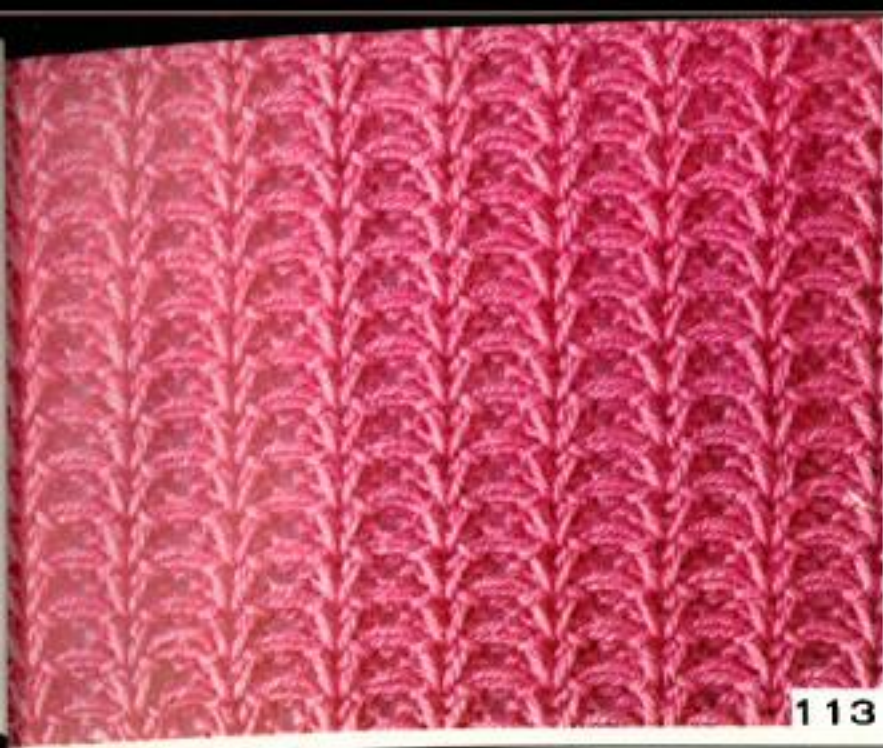
Open Pattern Stitch

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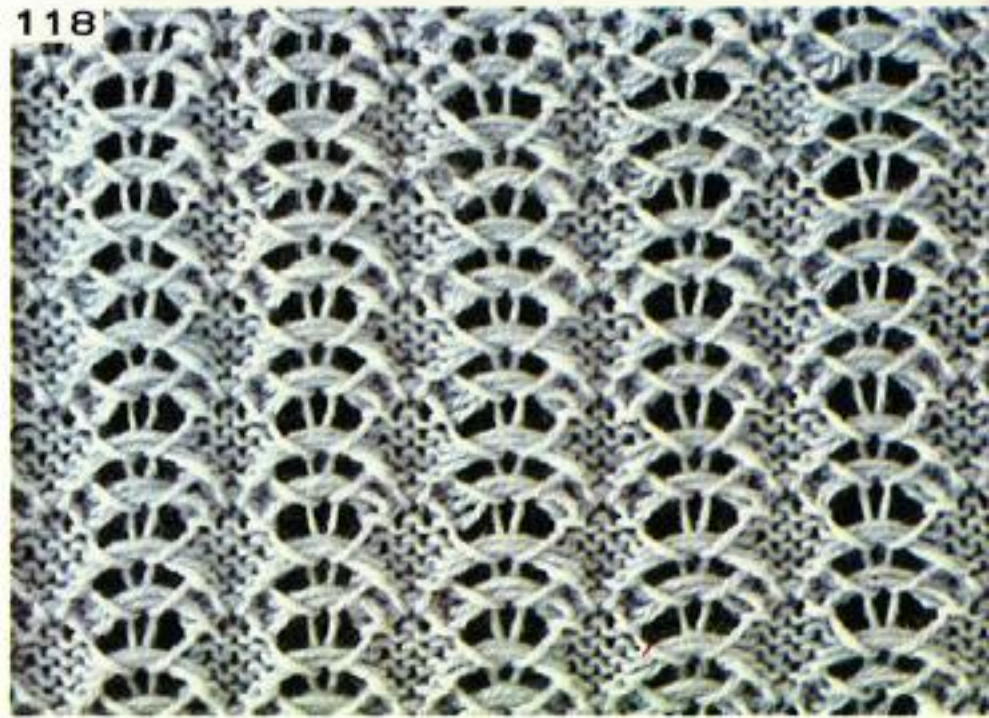
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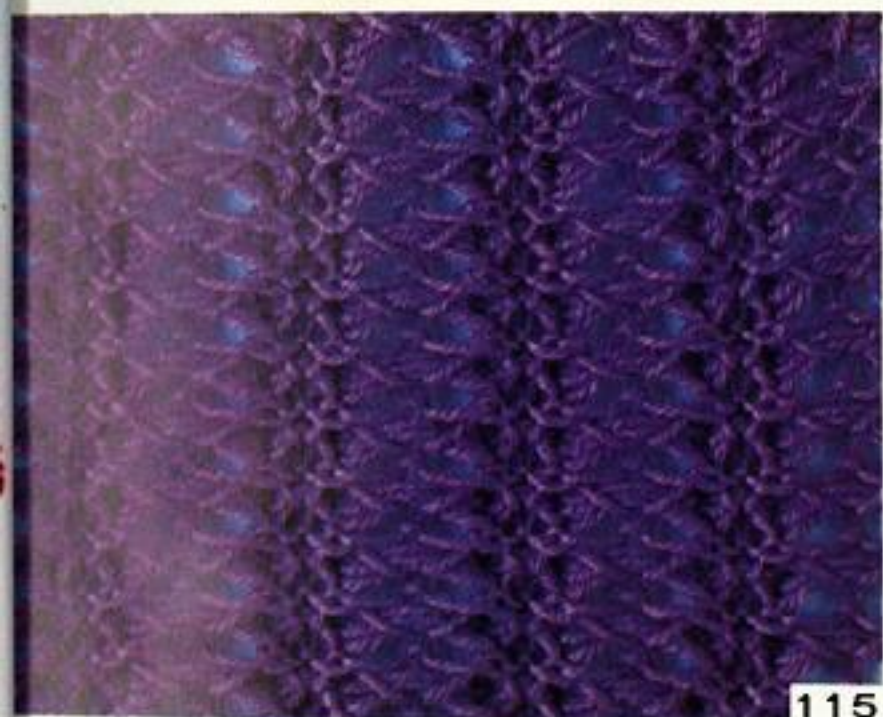
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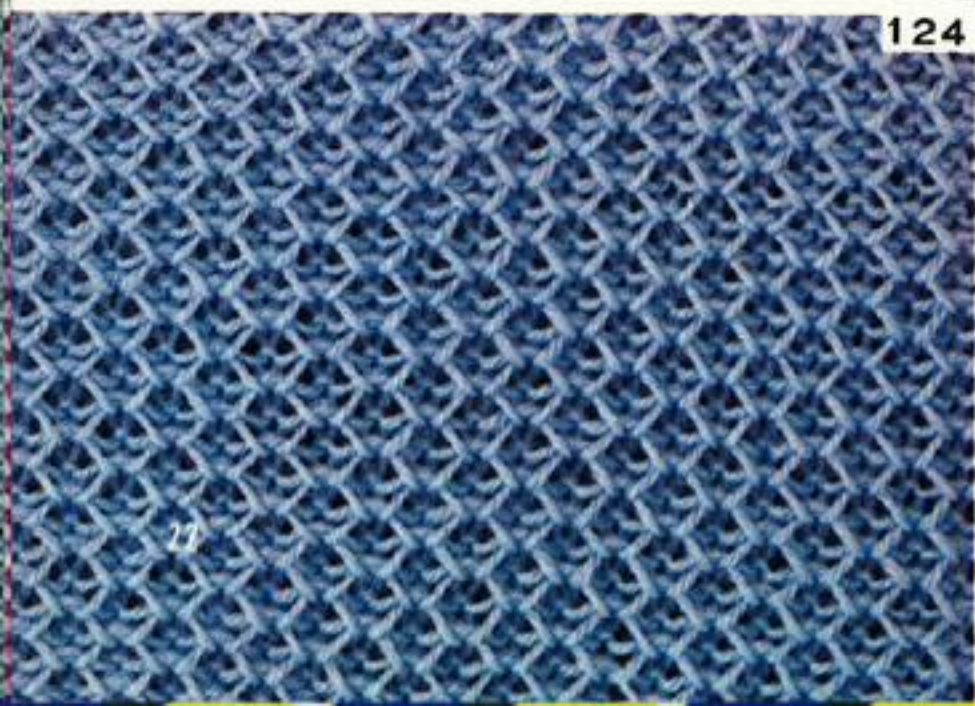
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Open Pattern Stitch

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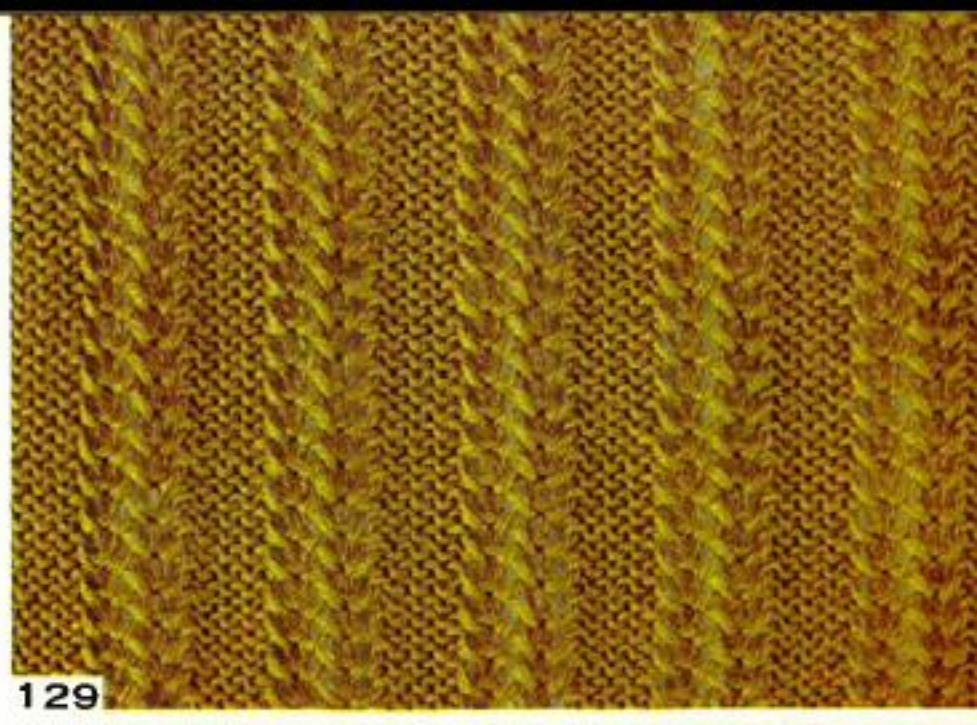
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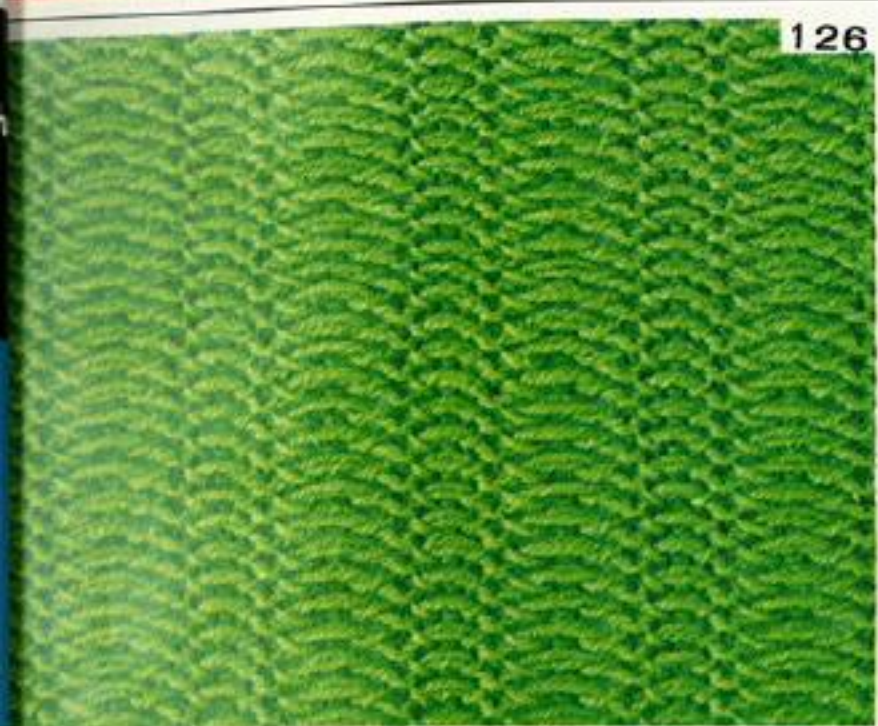




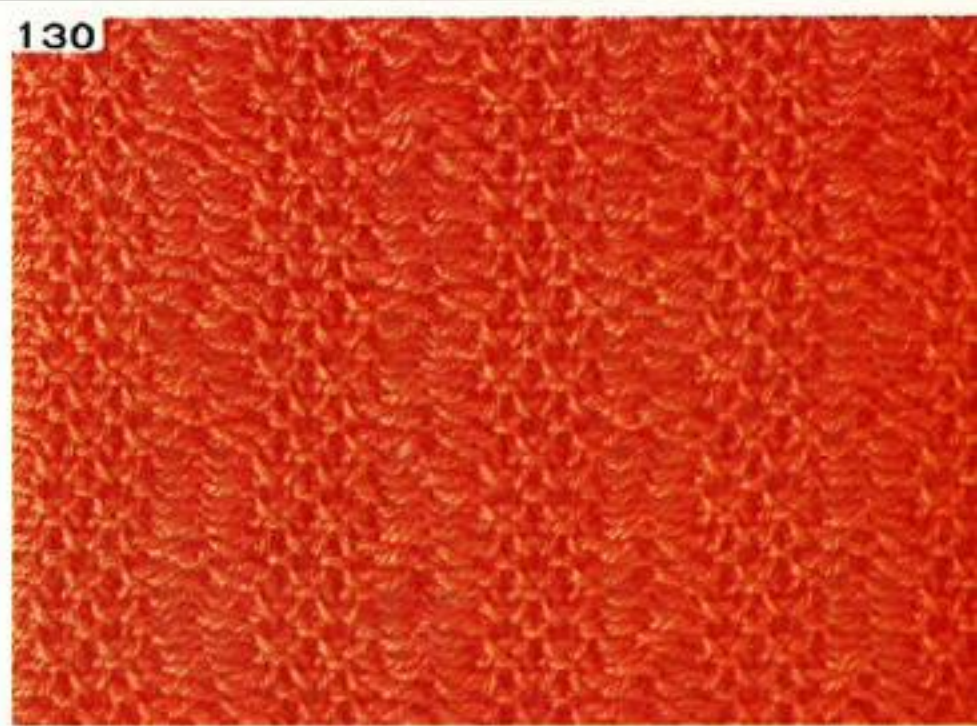
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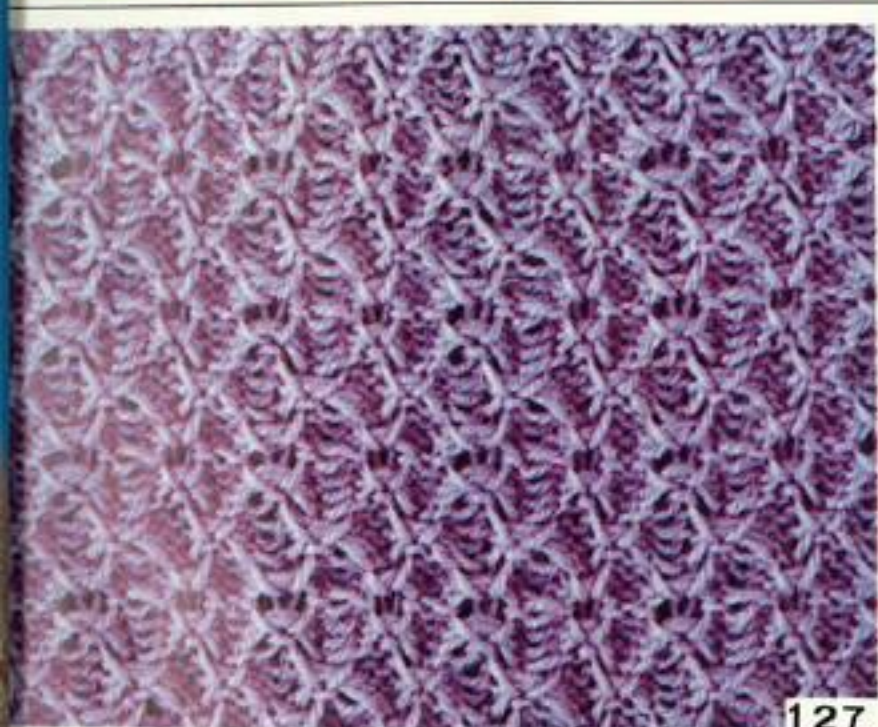
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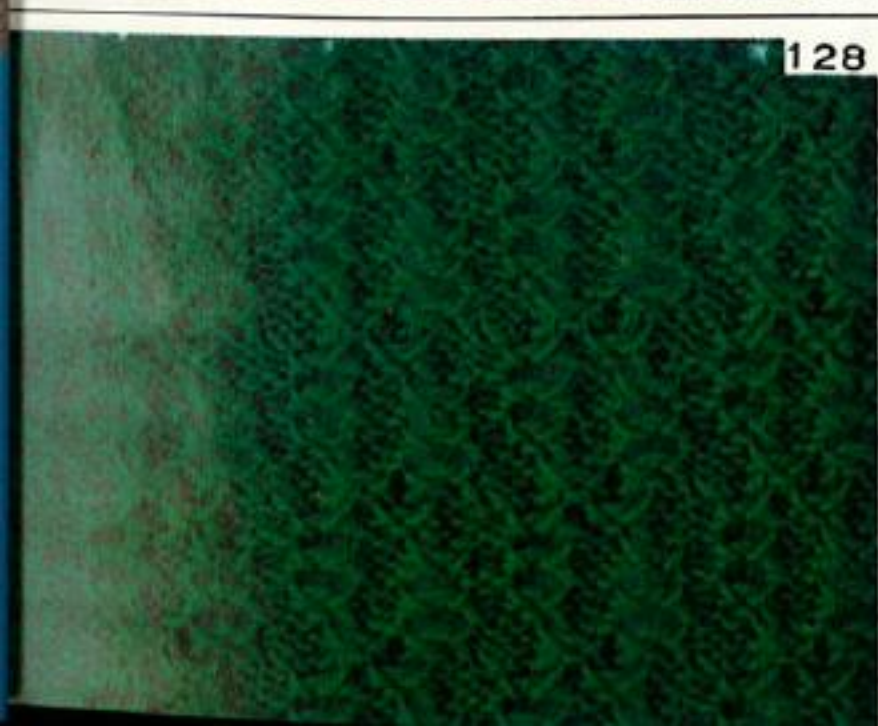
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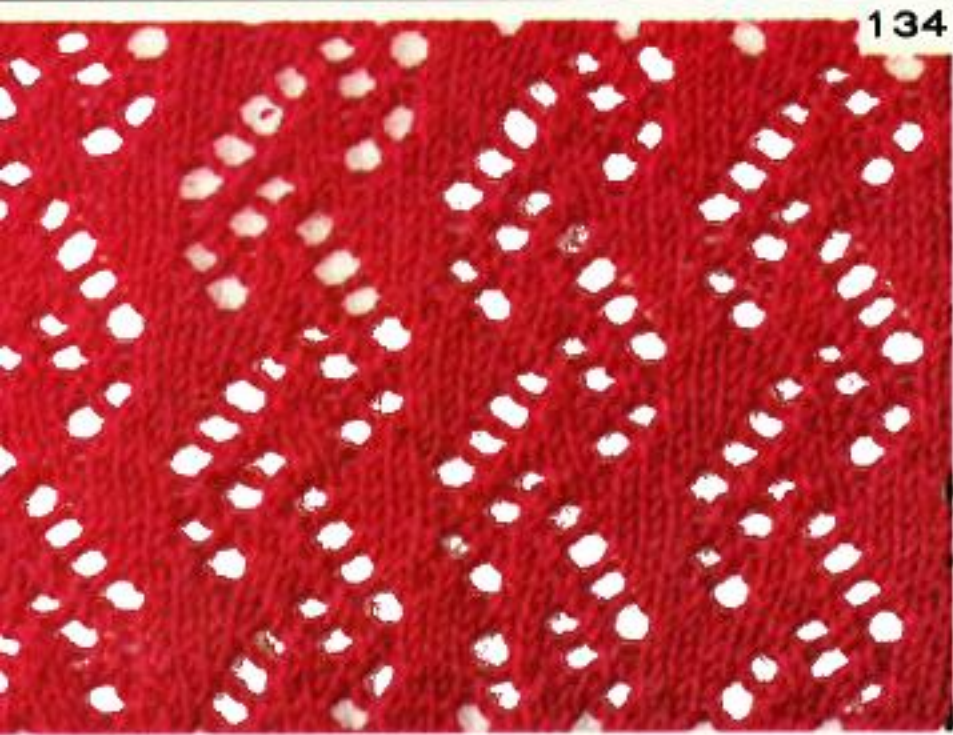
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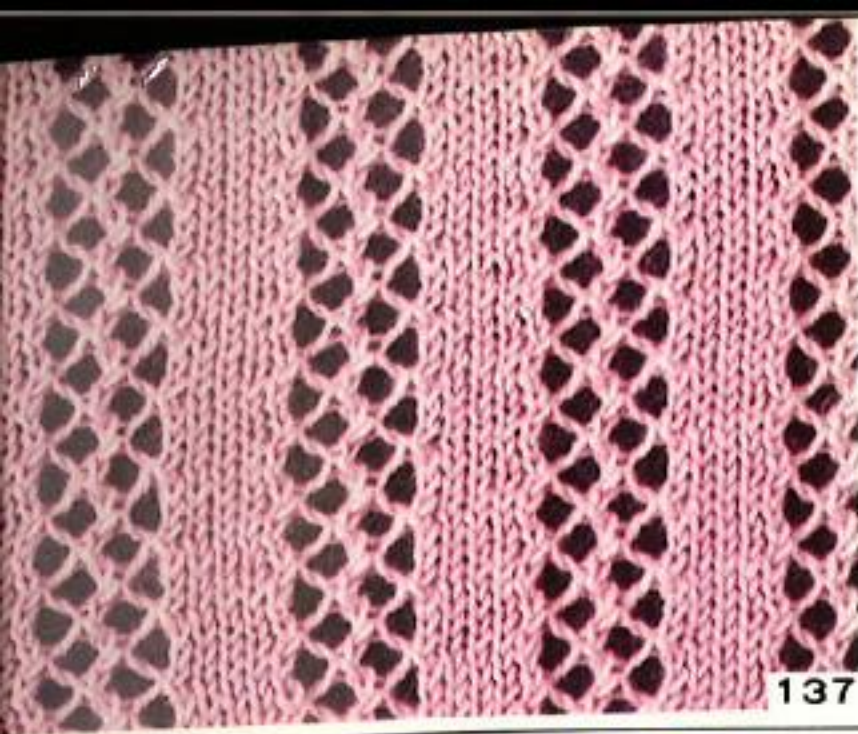


Lace Patterns

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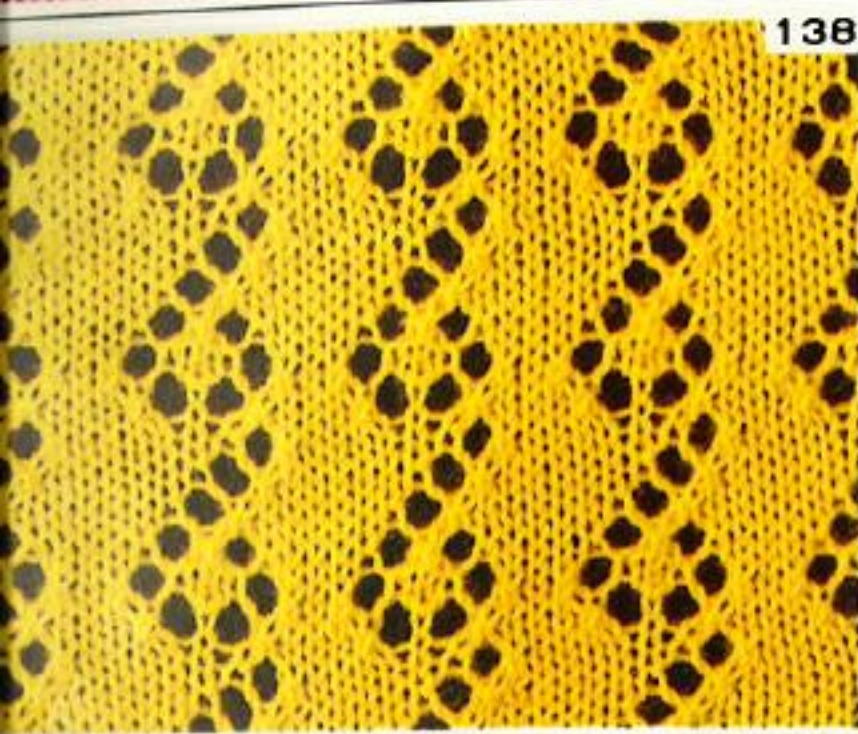




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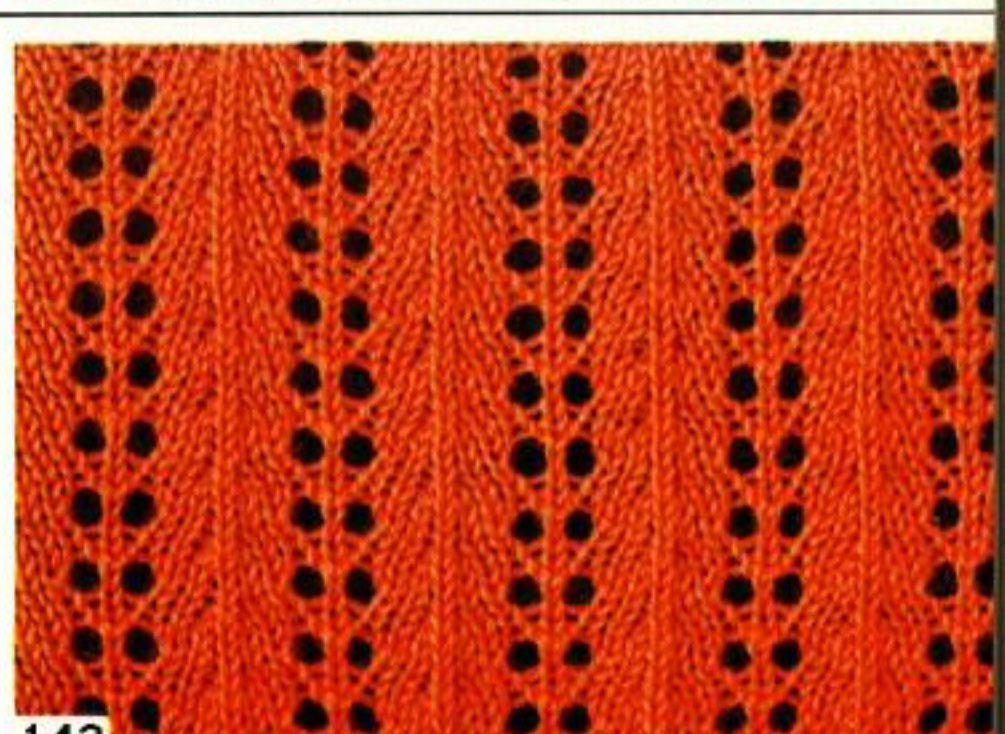
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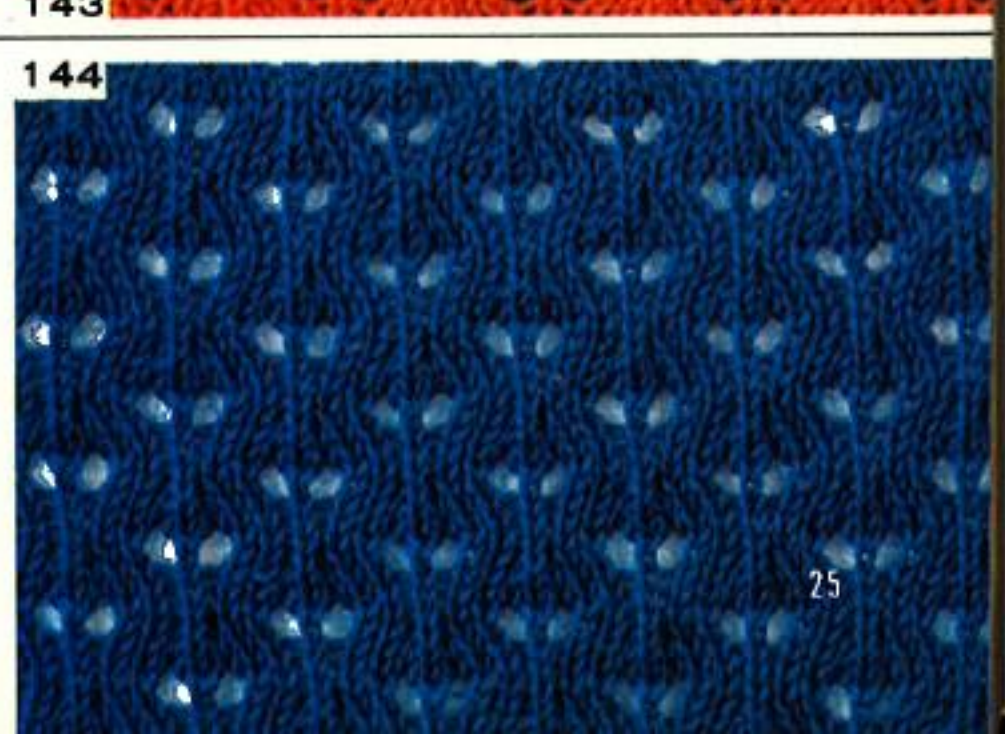
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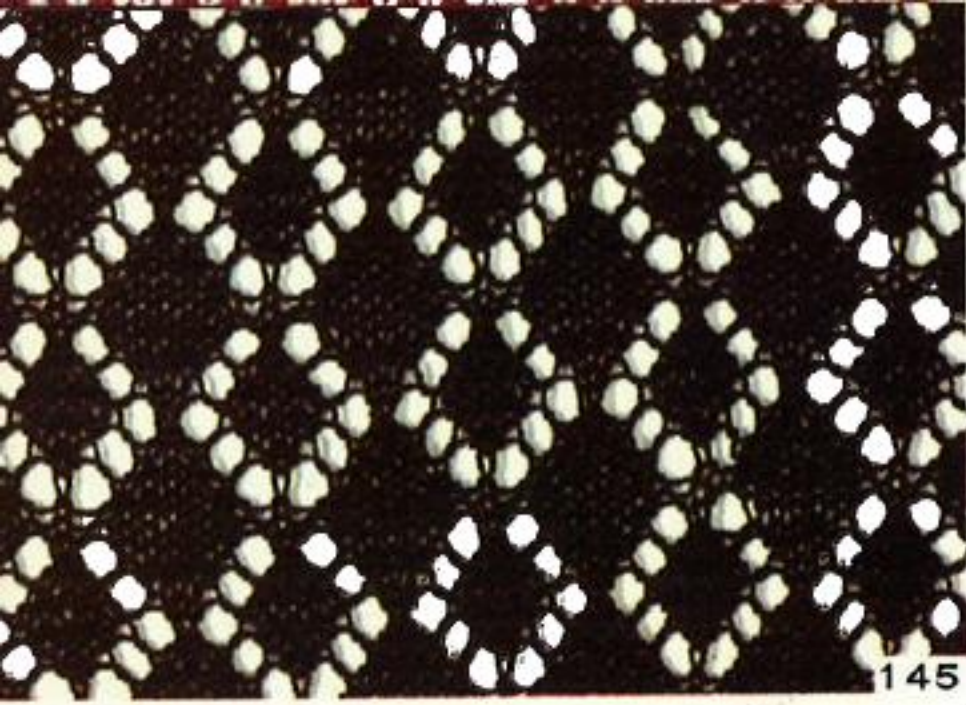
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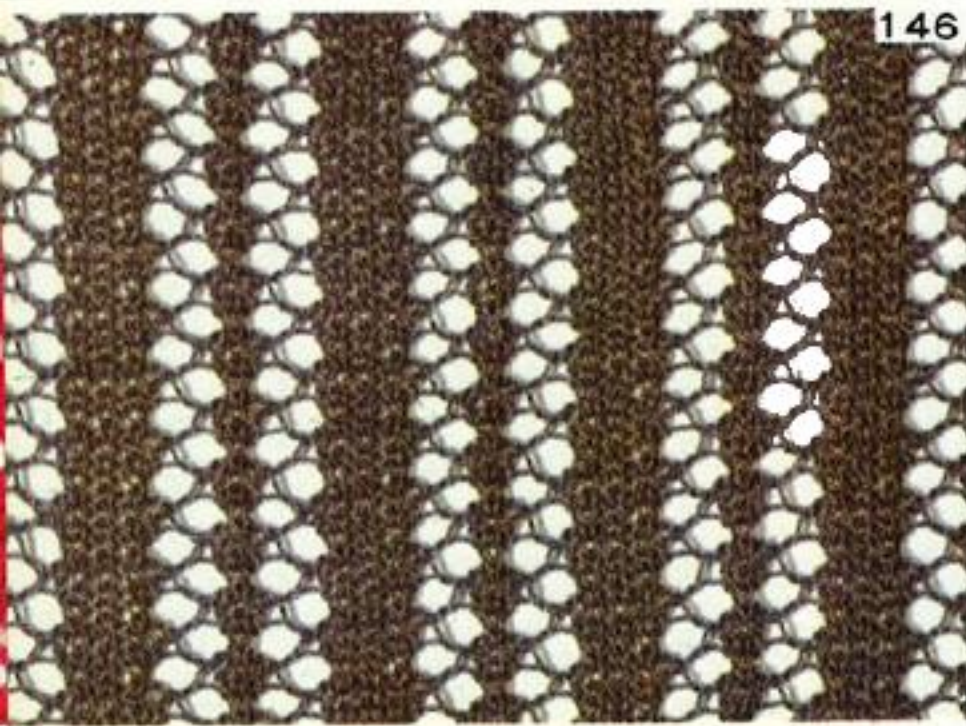
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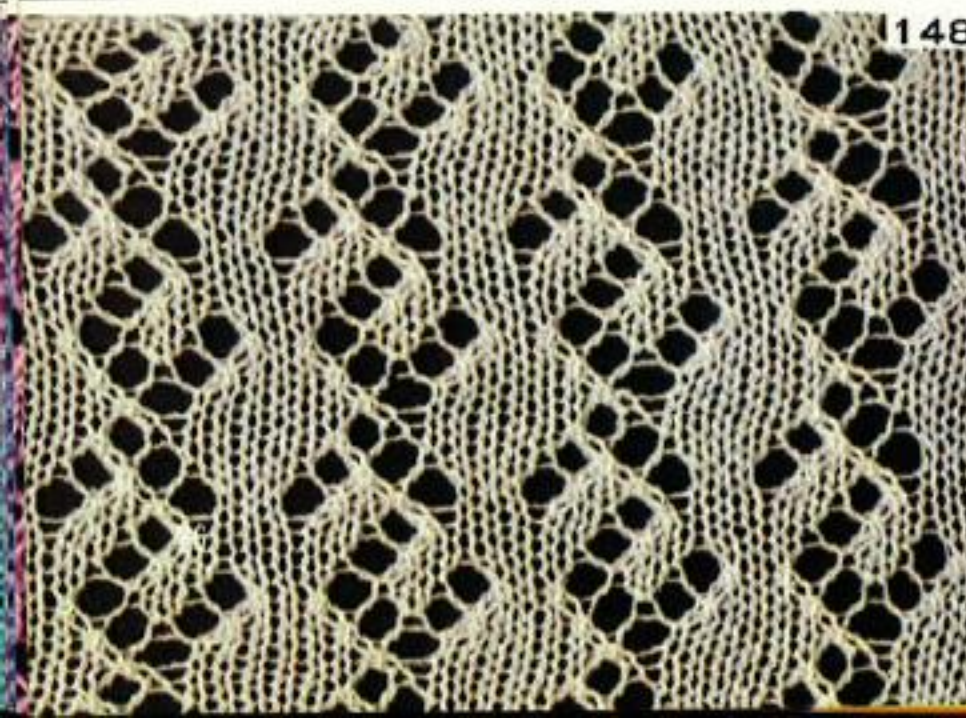
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Lace Patterns

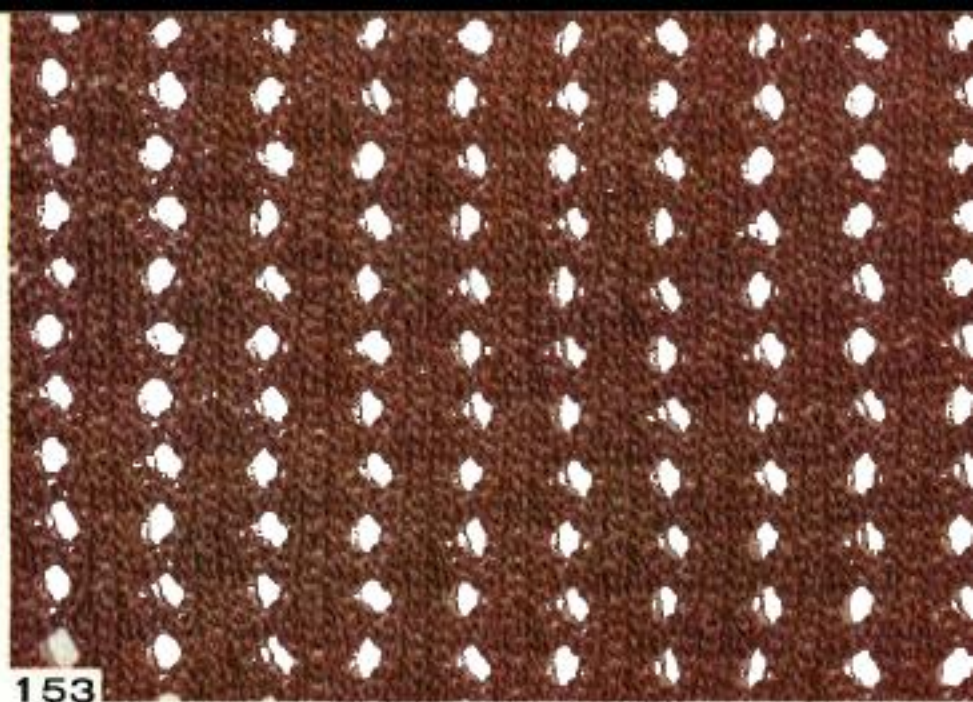
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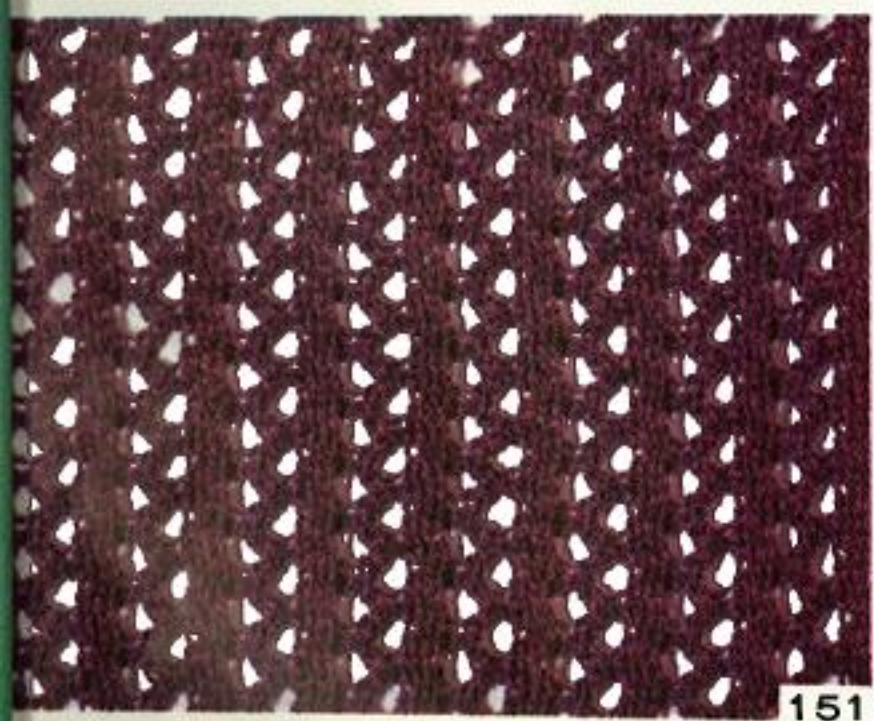
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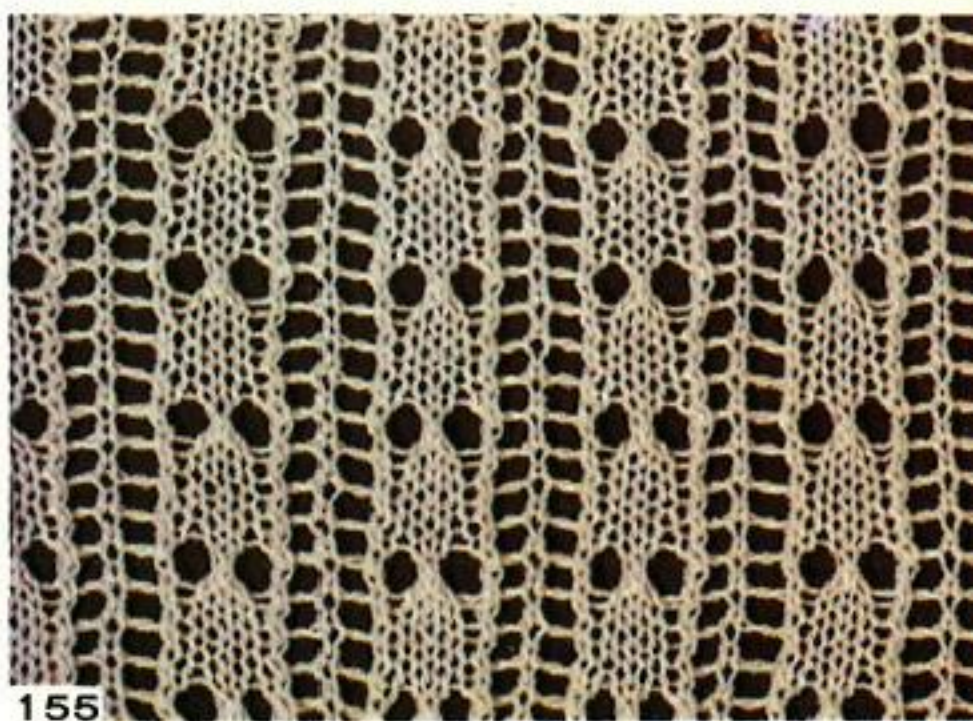
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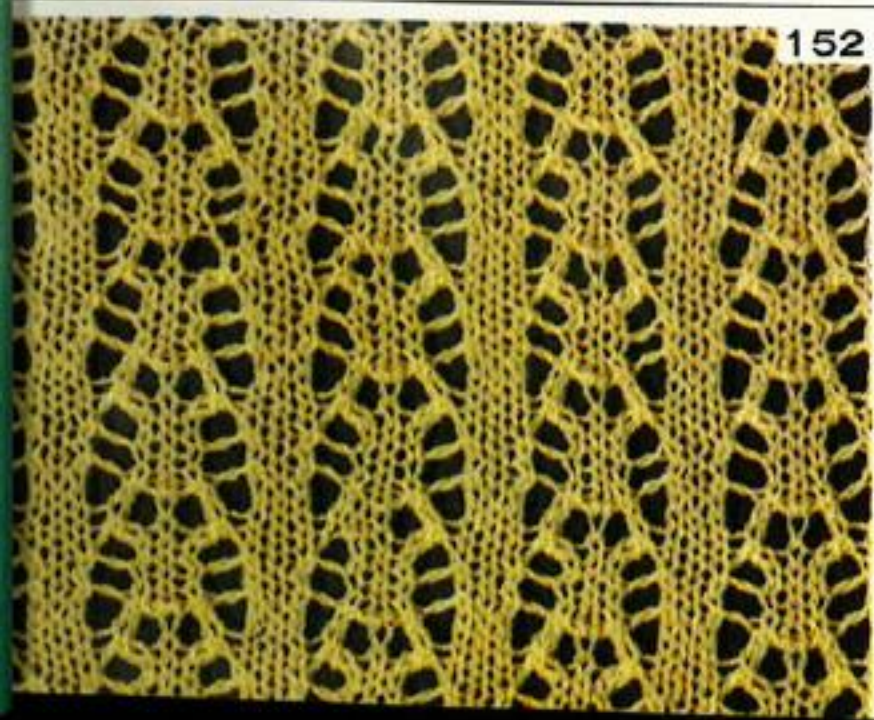
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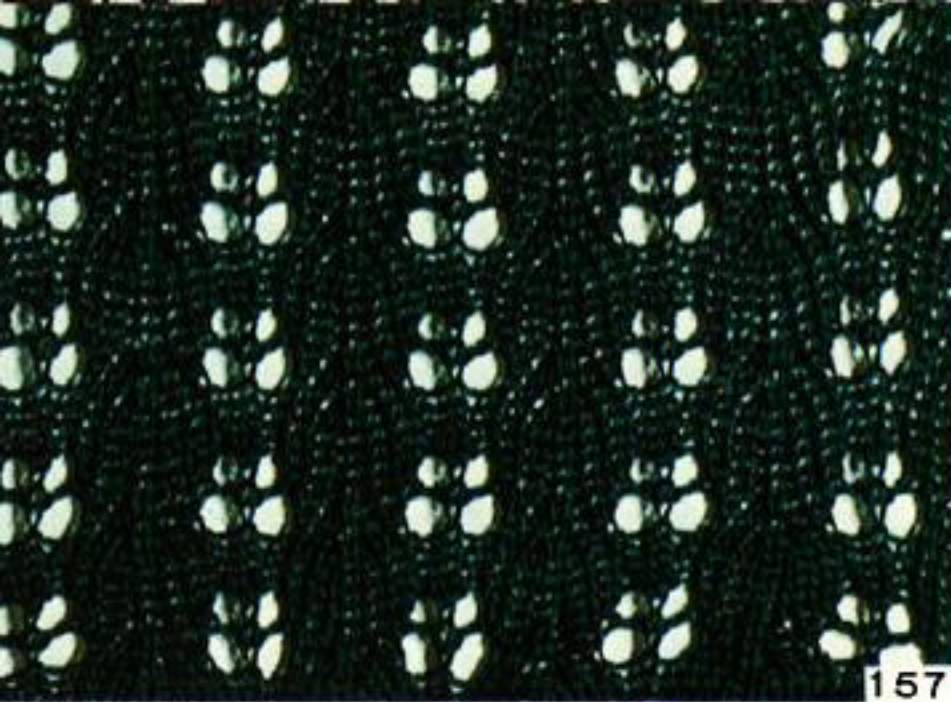
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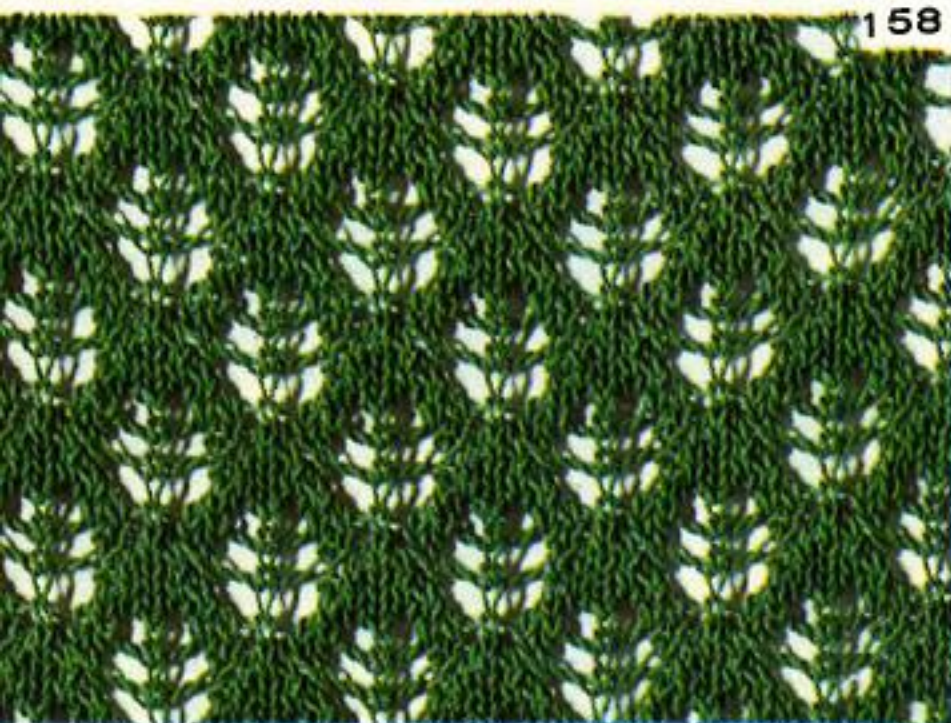
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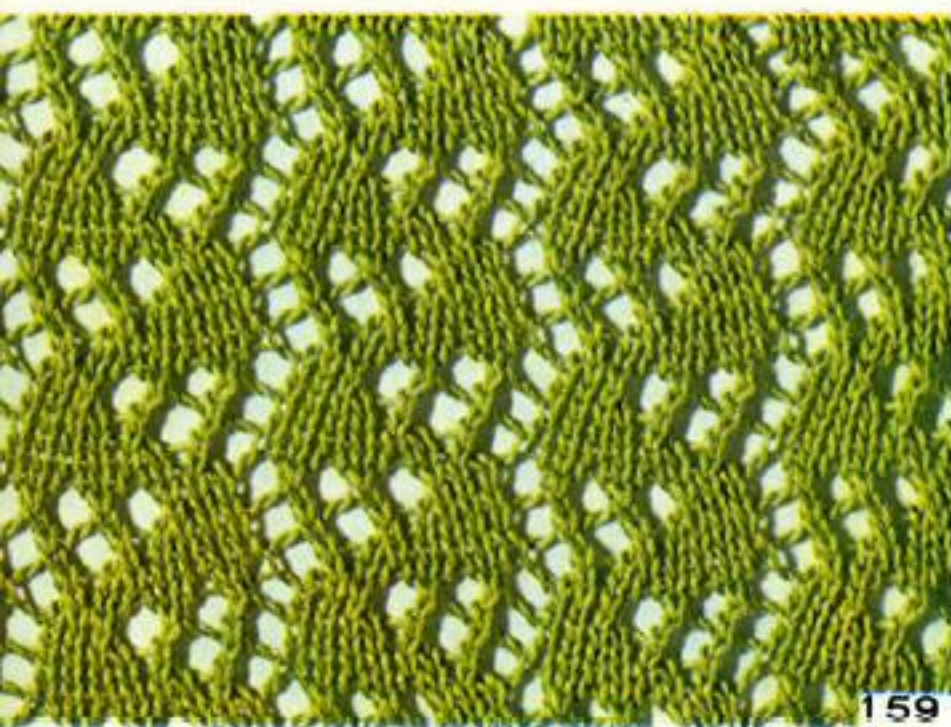
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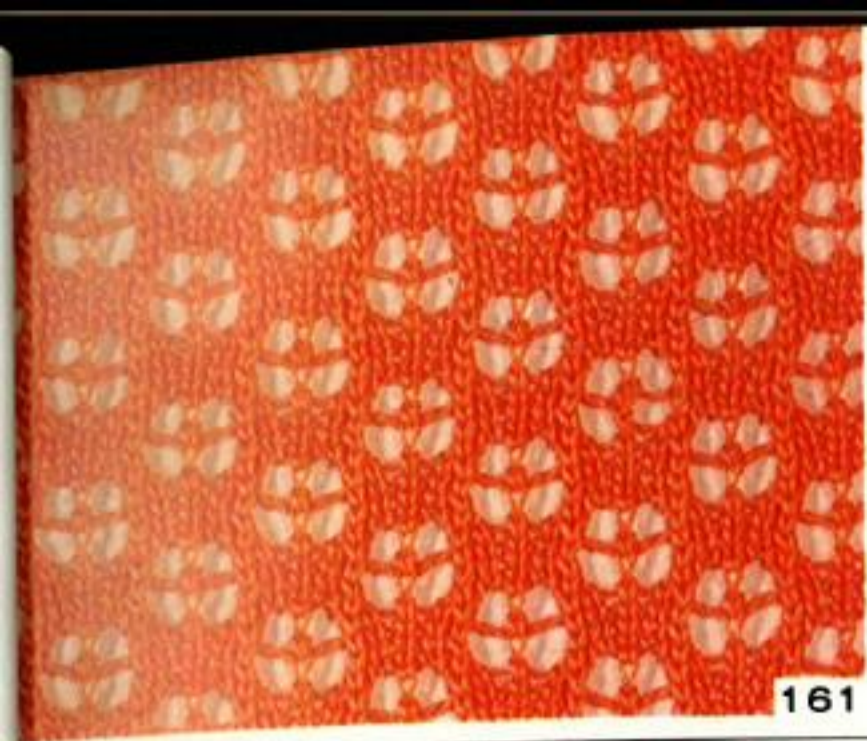
Lace Patterns

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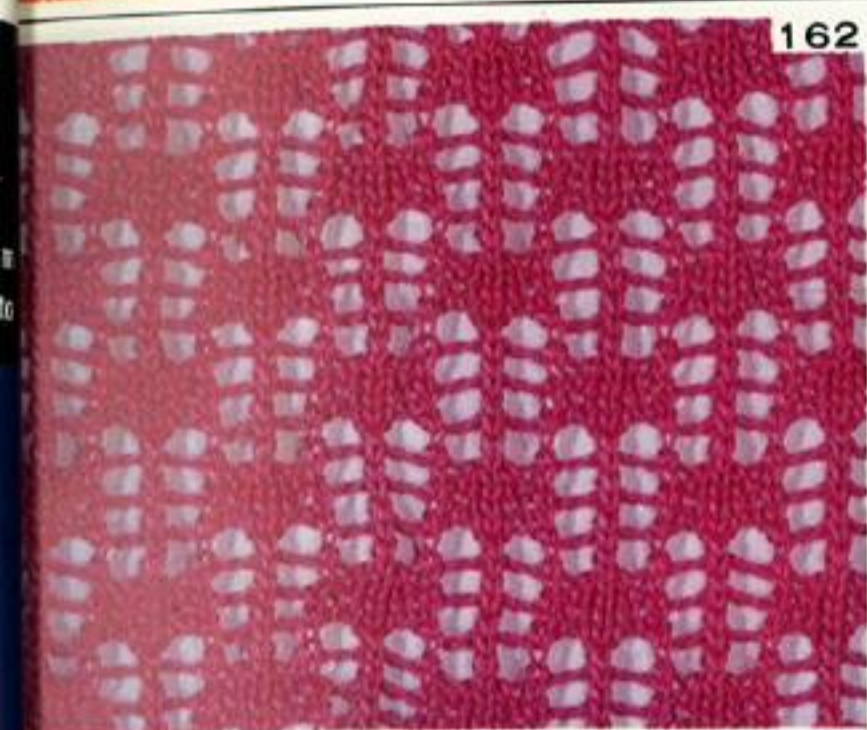




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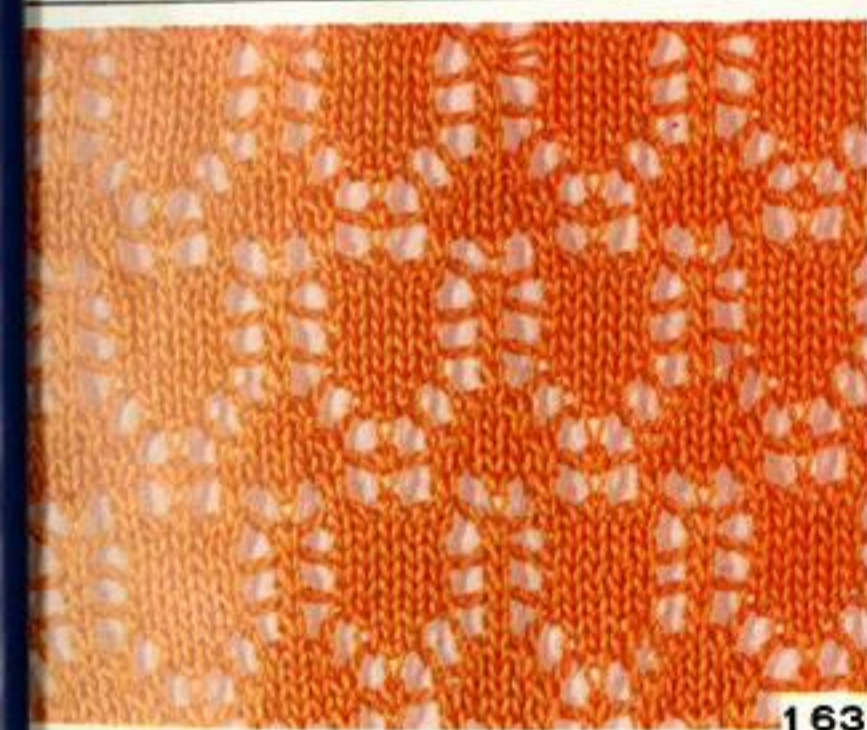
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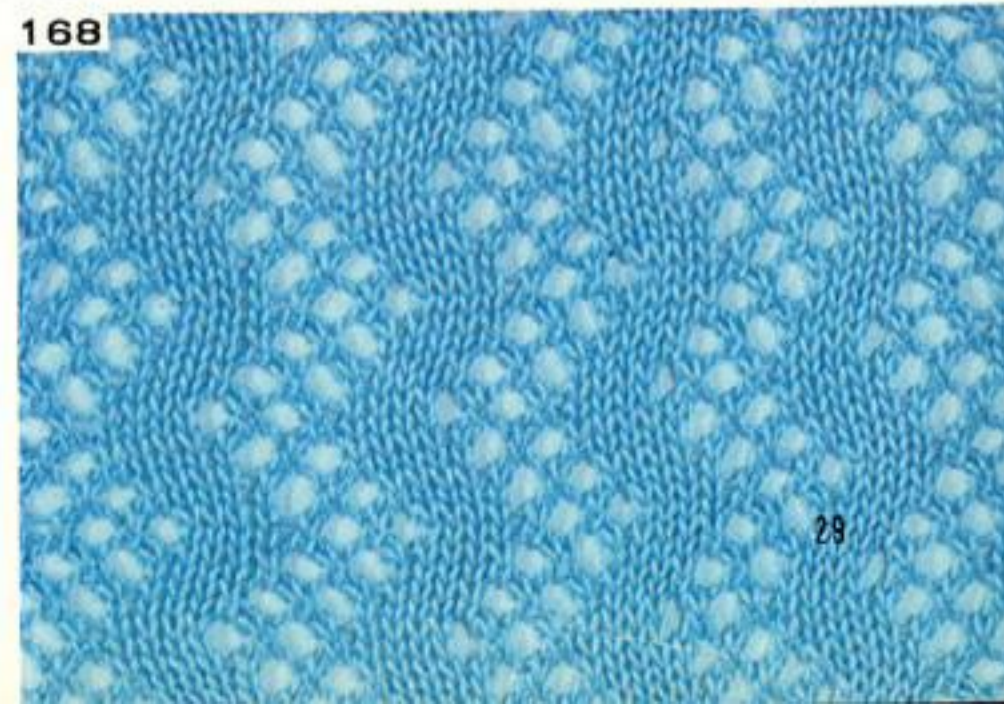
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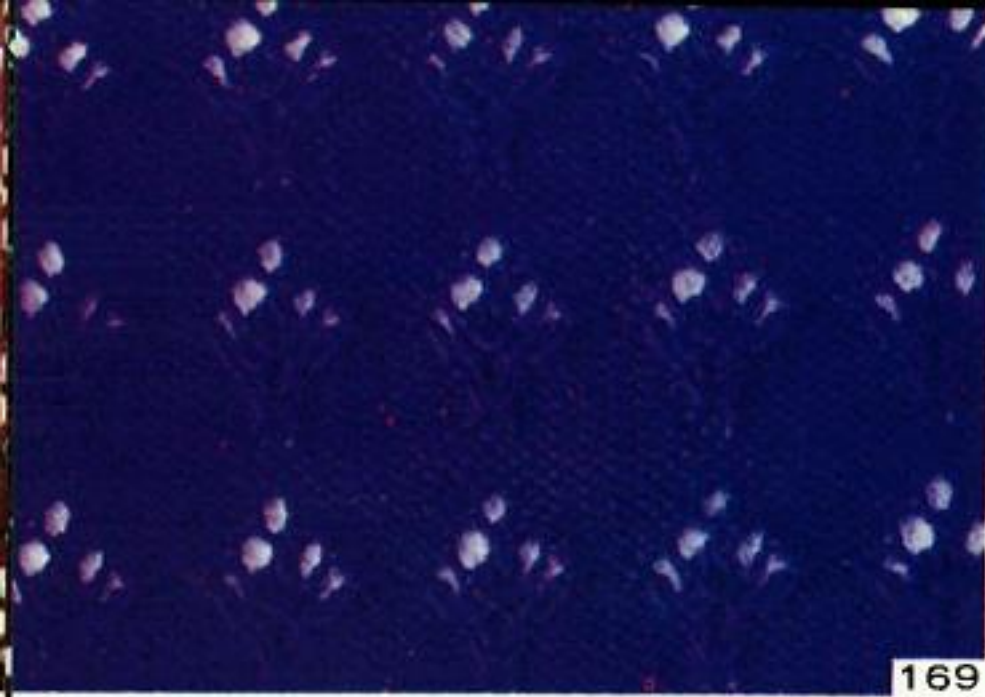
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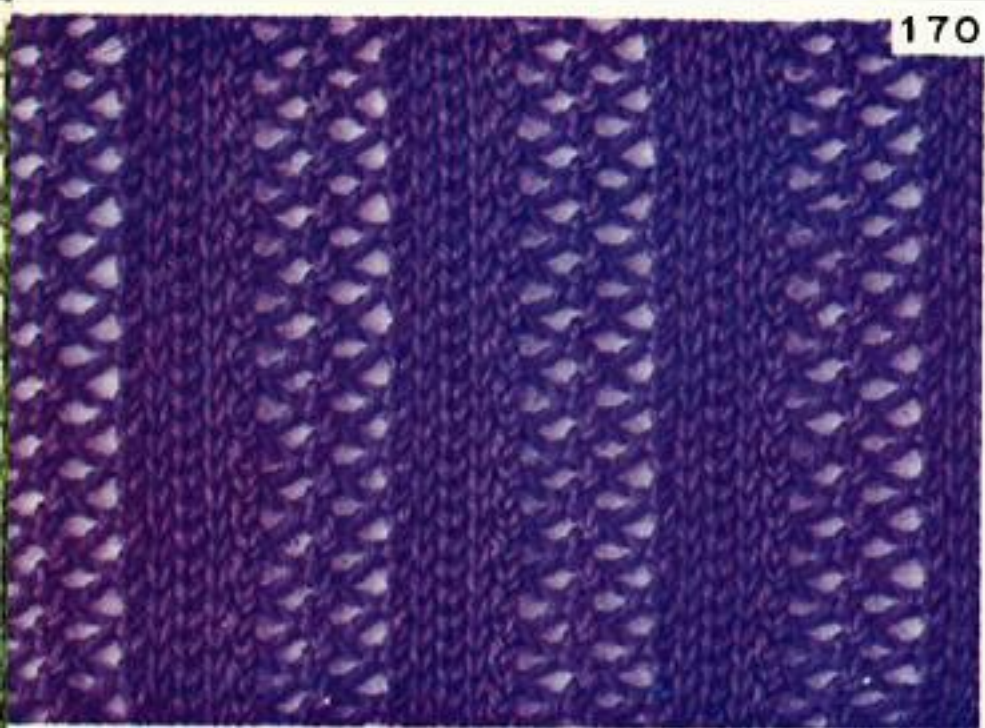
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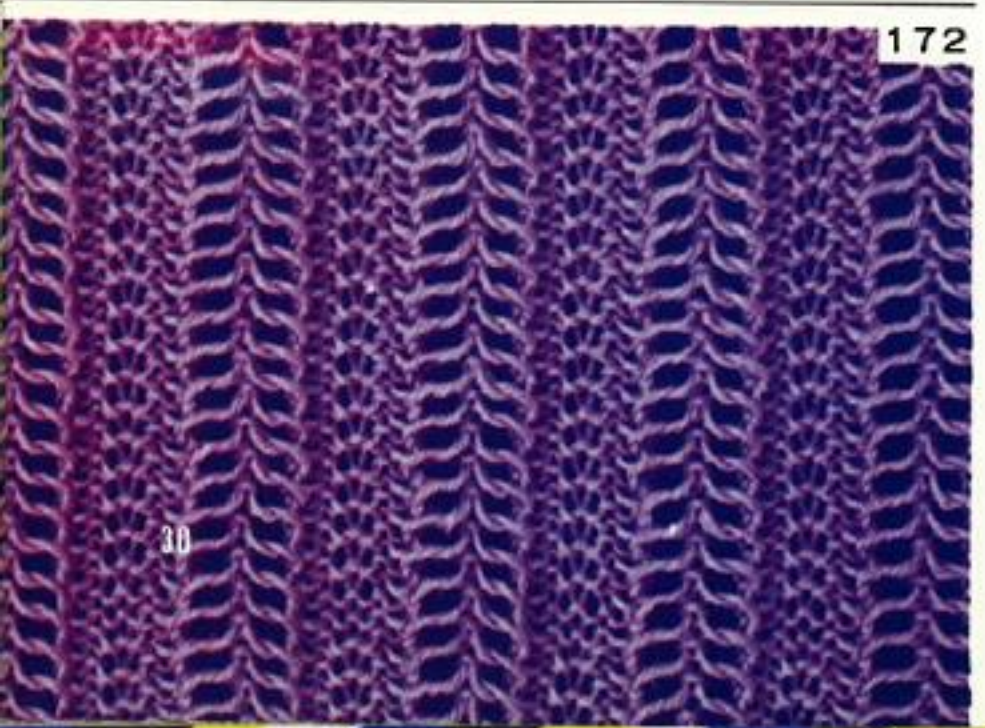
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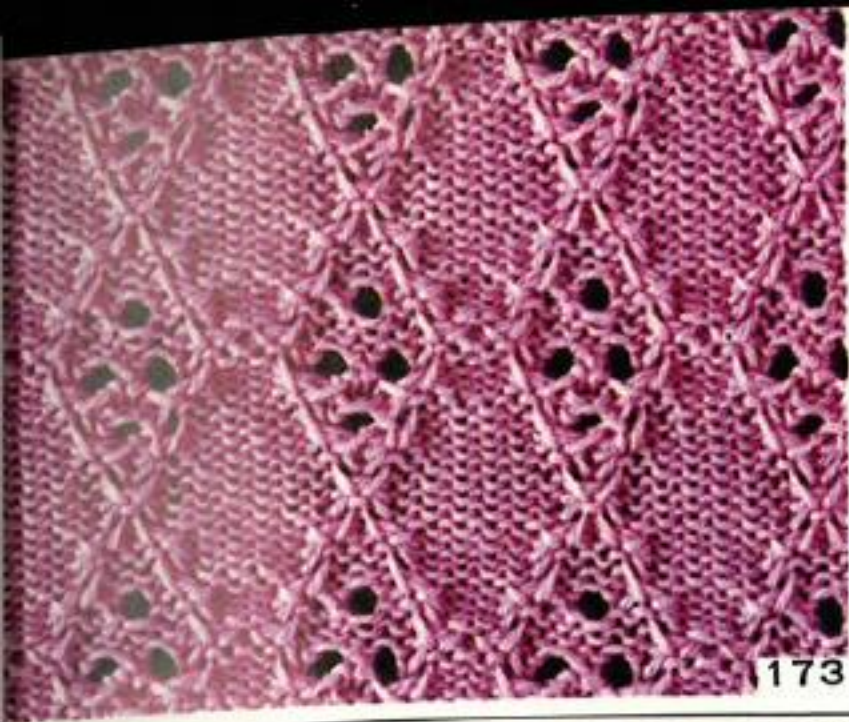
Pull-Up Lace Patte

↑ See Page 355

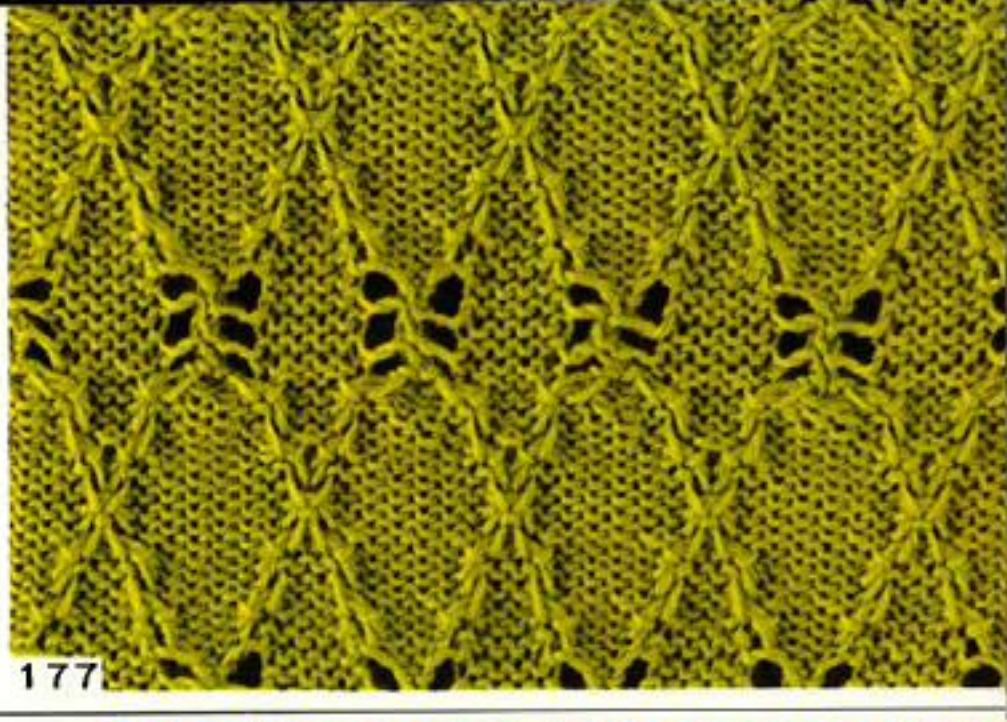
See Page 326 For Diagram

From 169 to 176

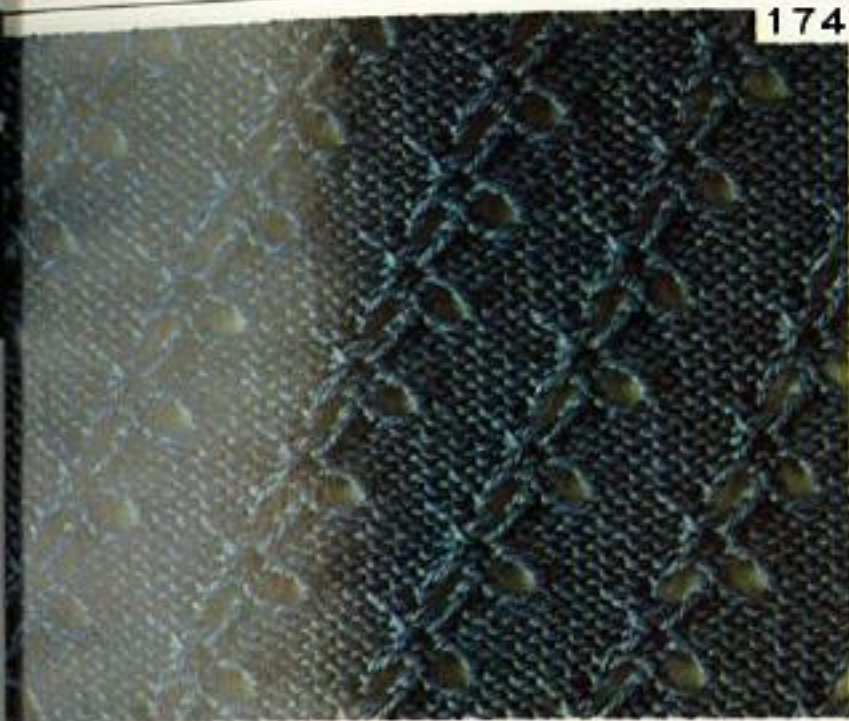




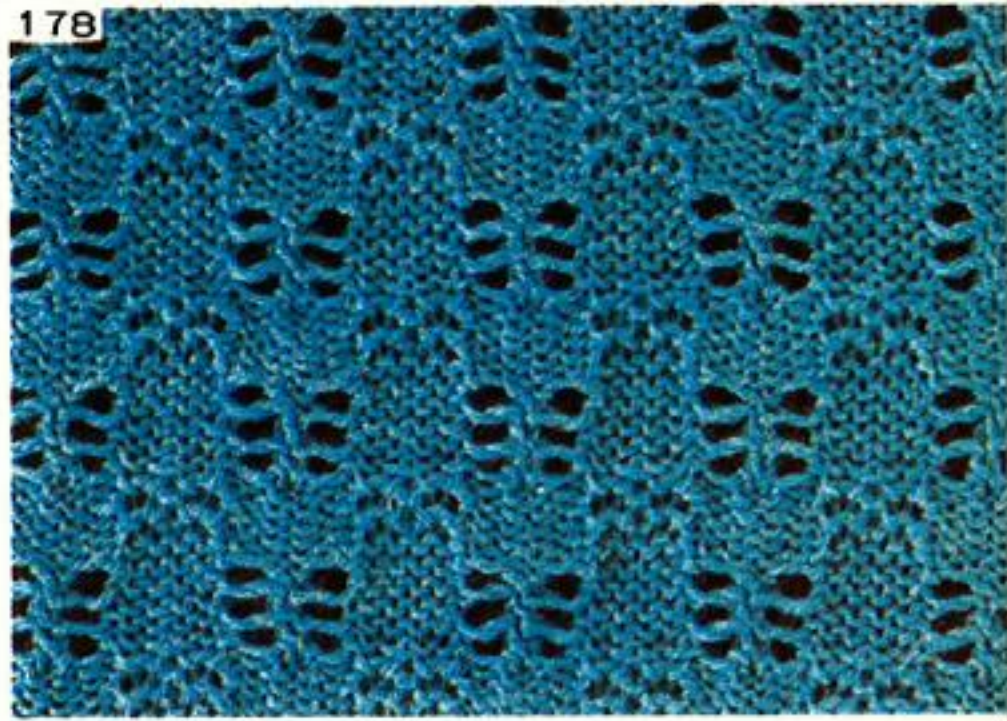
173



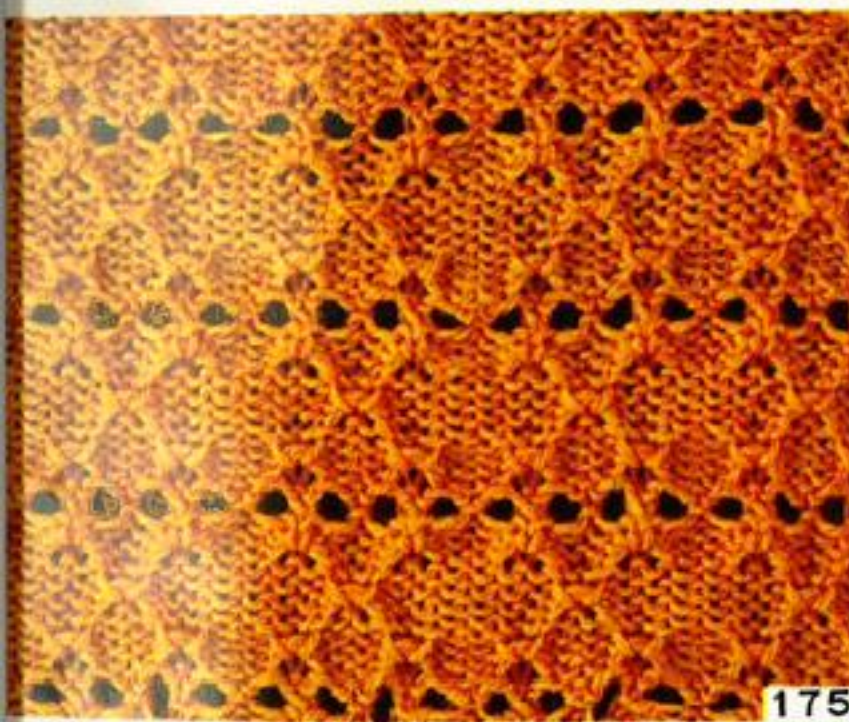
177



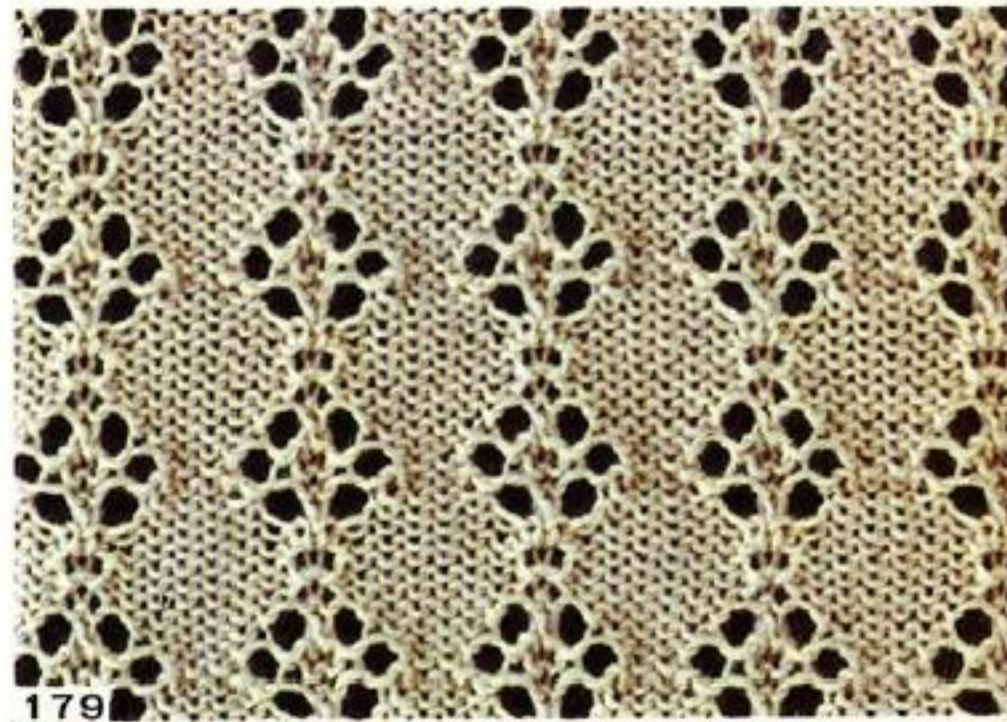
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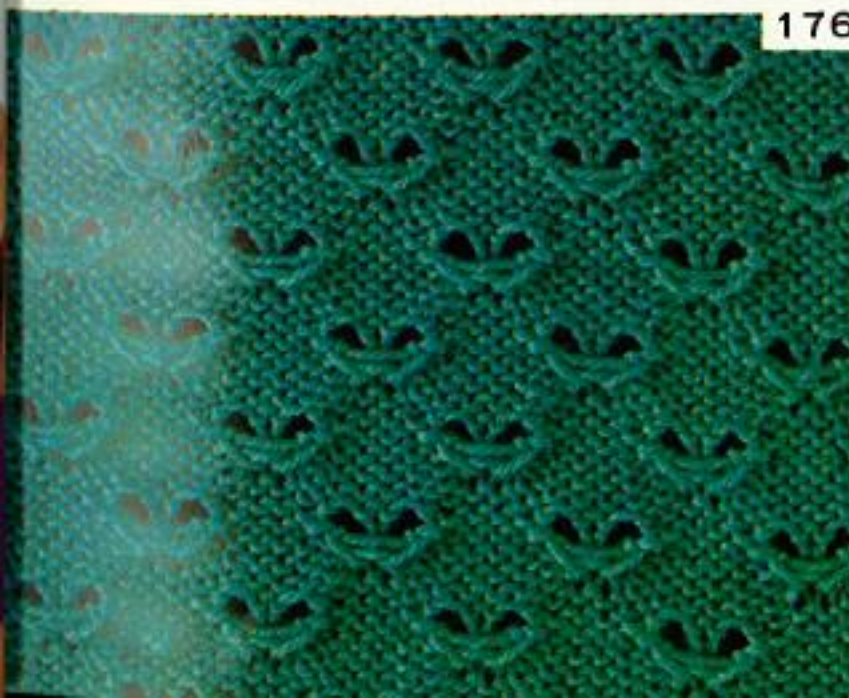
178



175



179



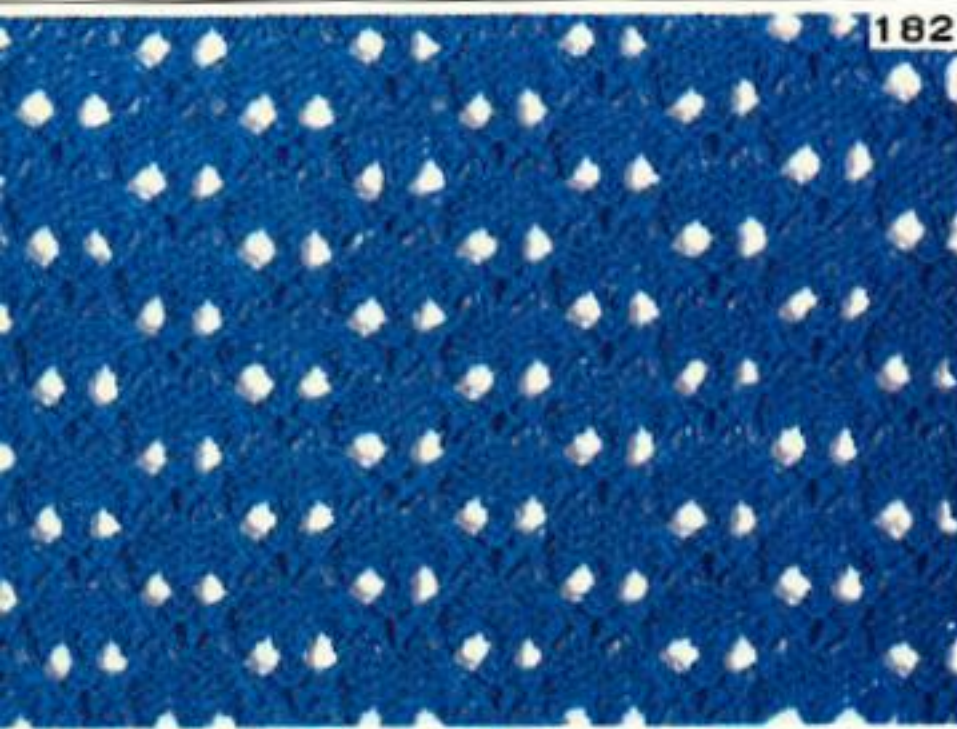
176



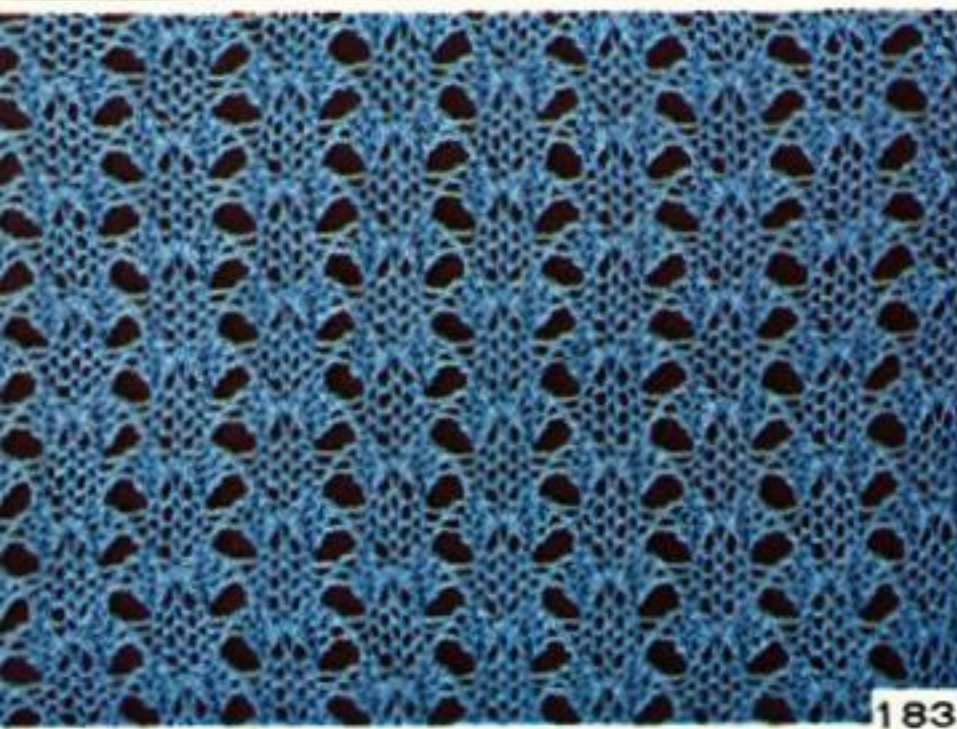
180



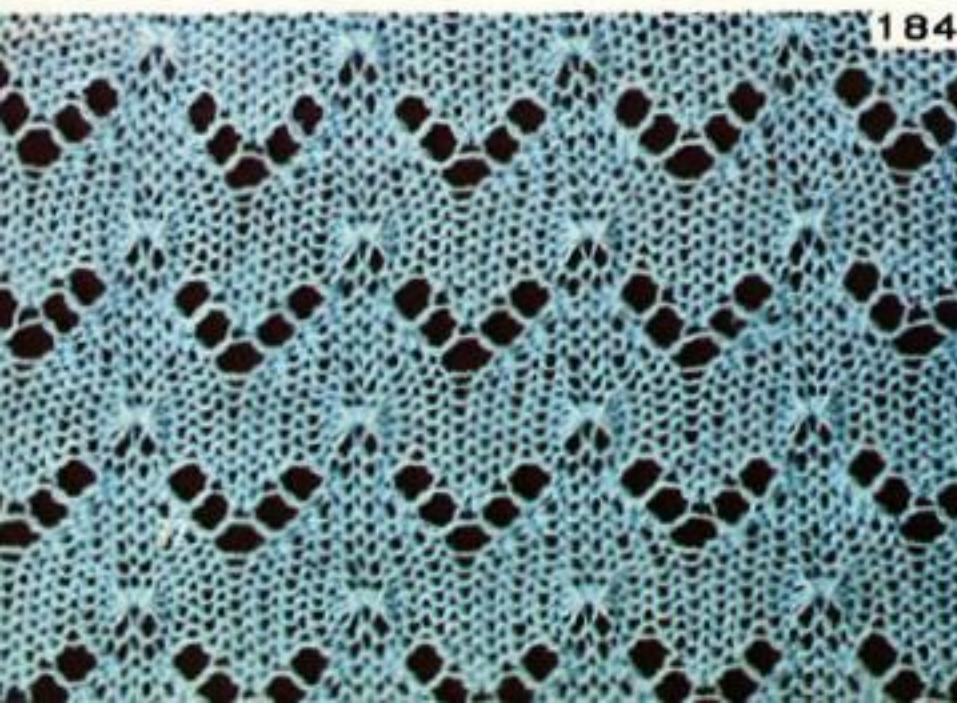
181



182



183



184



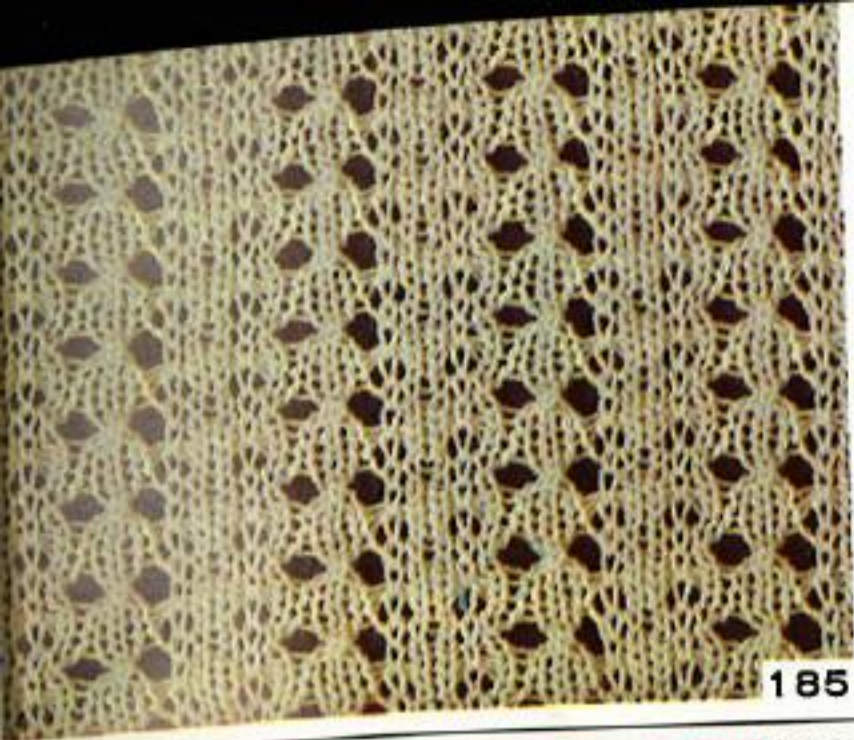
Pull-Up Lace Pattern

↑ See Page 356

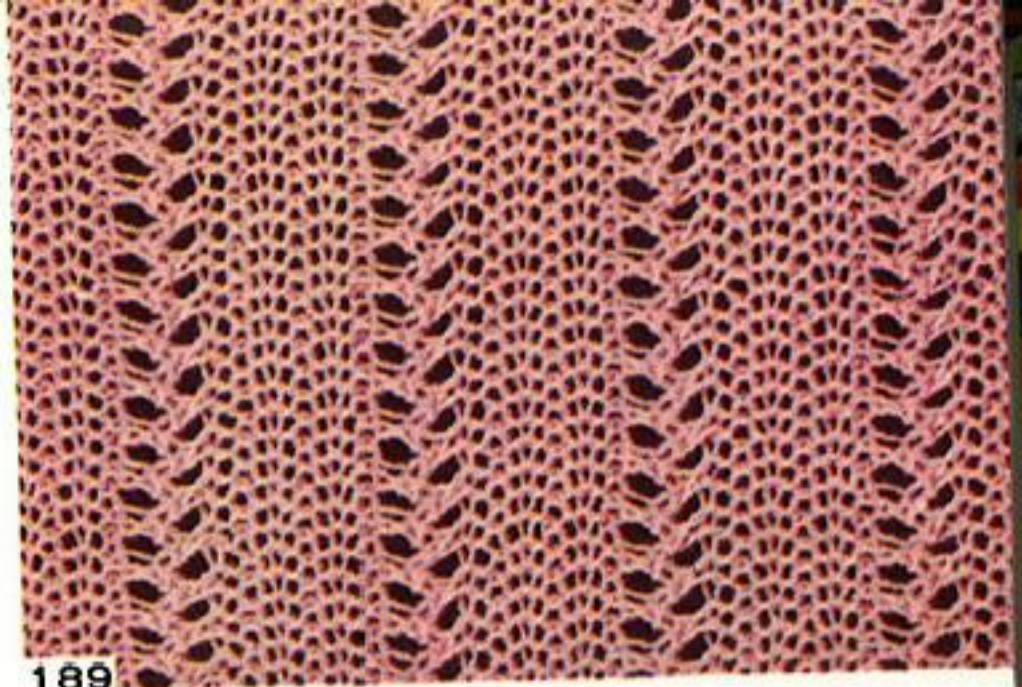
See Page 327 For Diagram

From 177 to 184

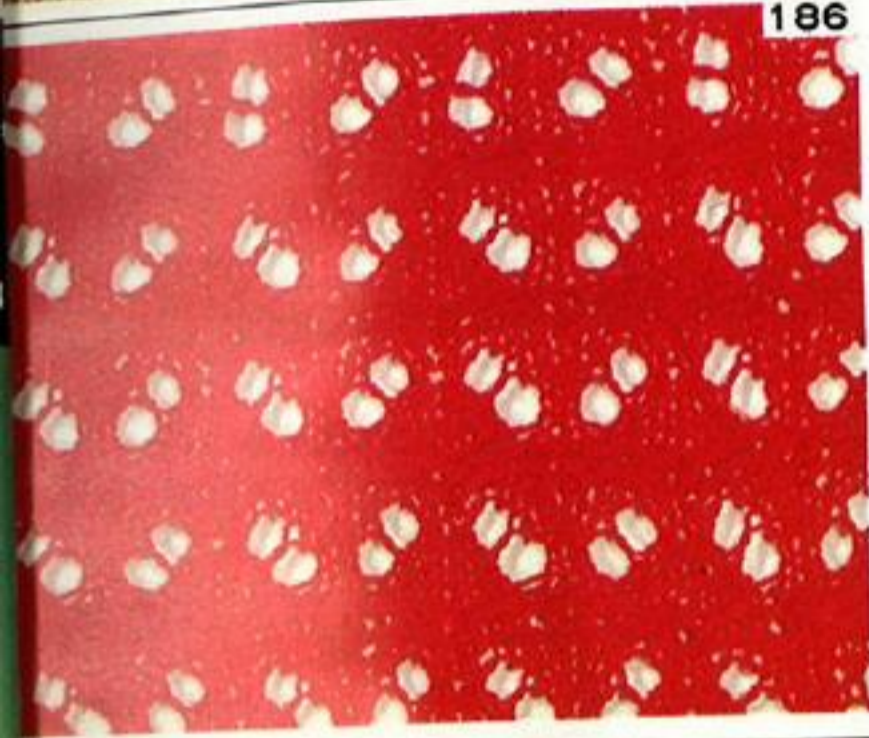




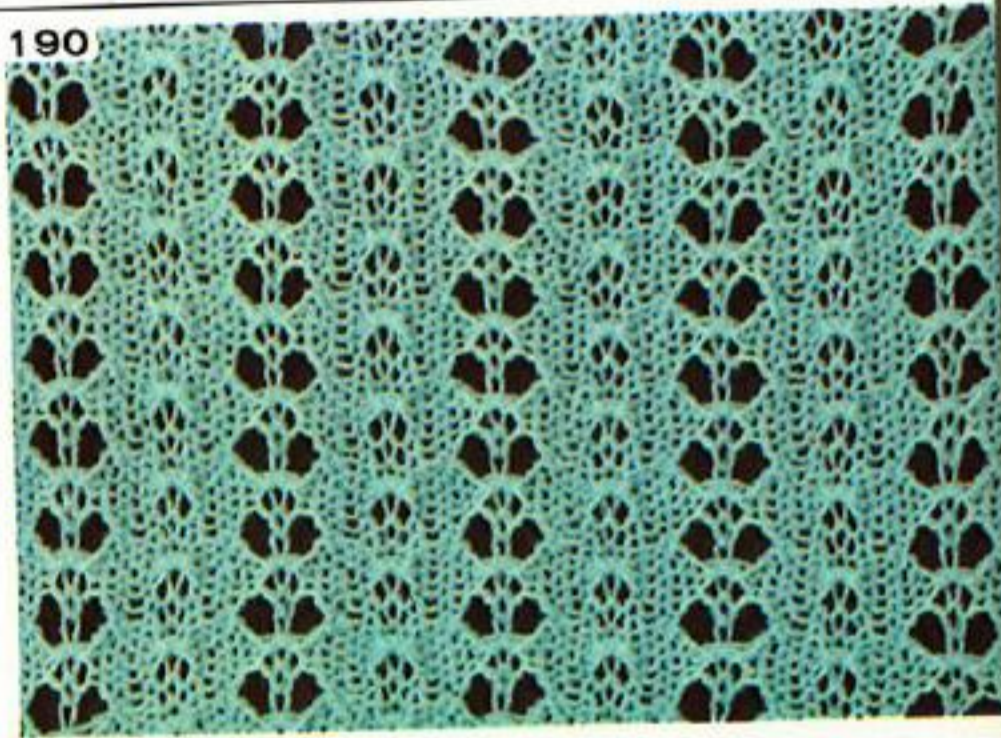
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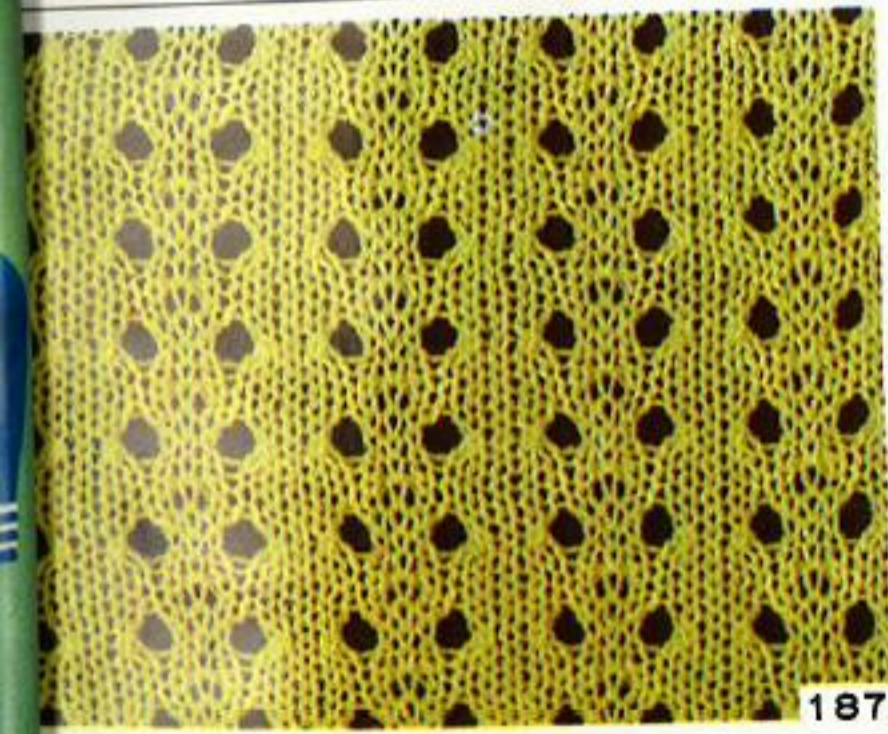
189



186



190



187



191



188



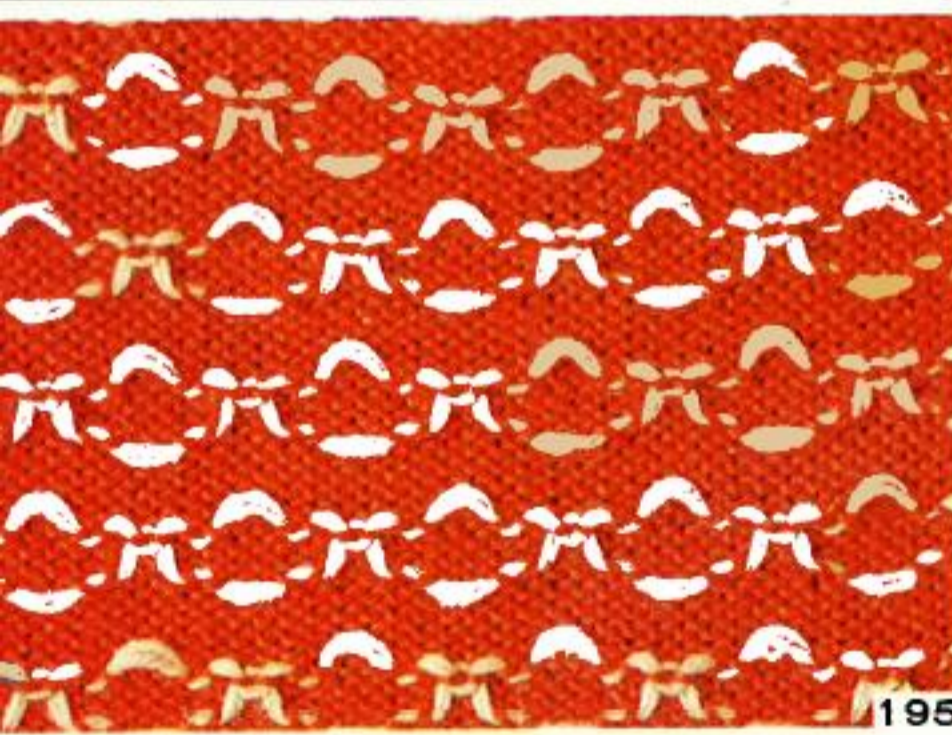
192



193



194



195



196



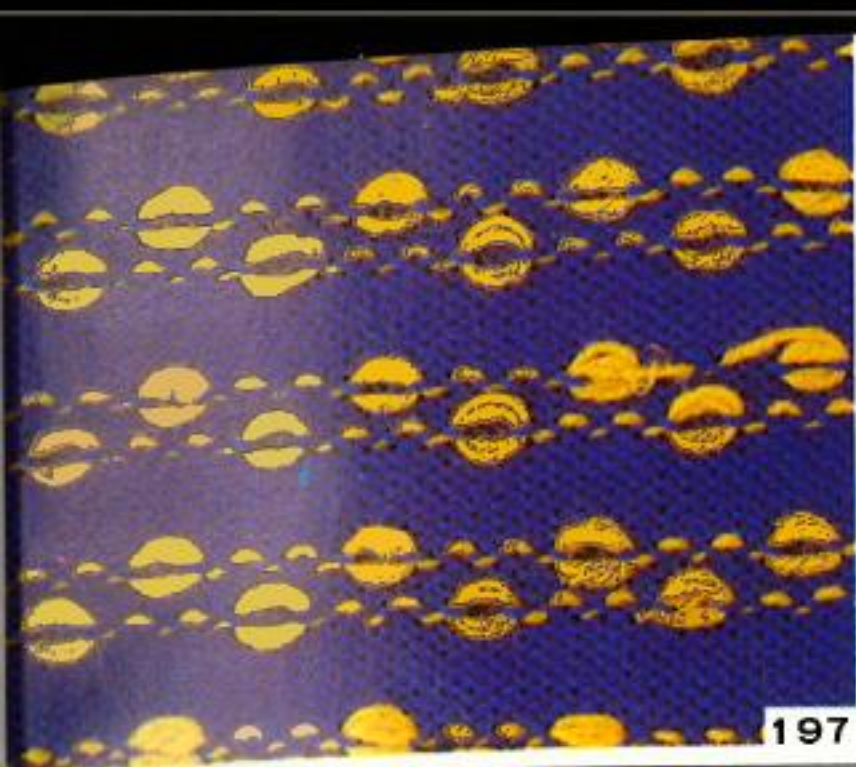
Weaving (Thread Knitting) Patterns

† See Page 357

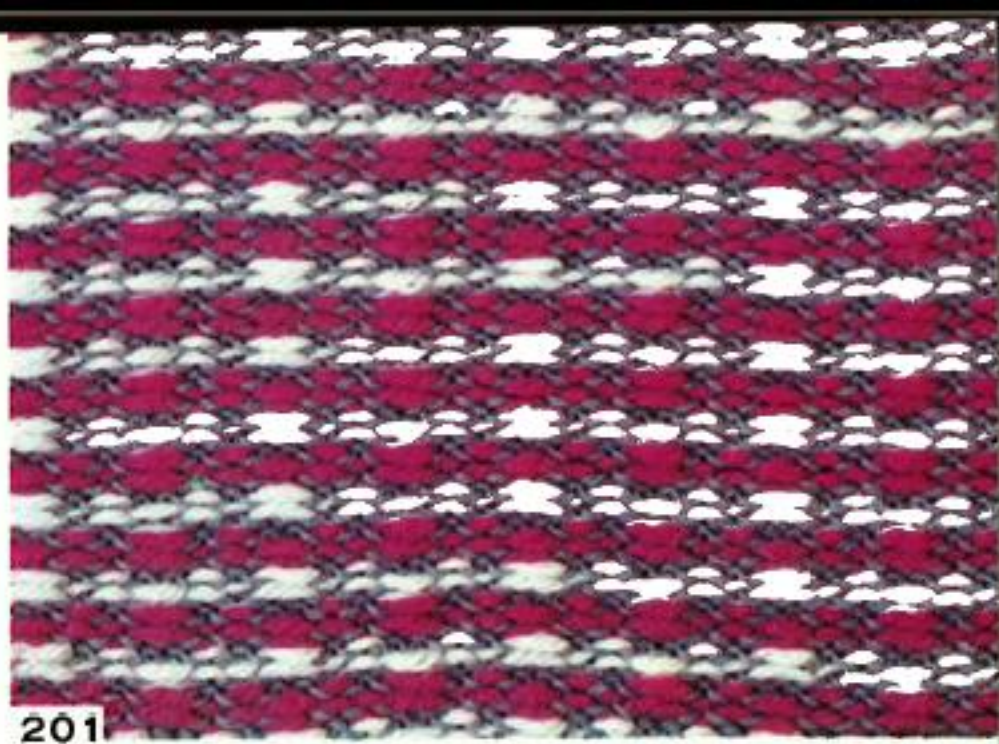
See Page 329 For Diagram

From 193 to 200





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201



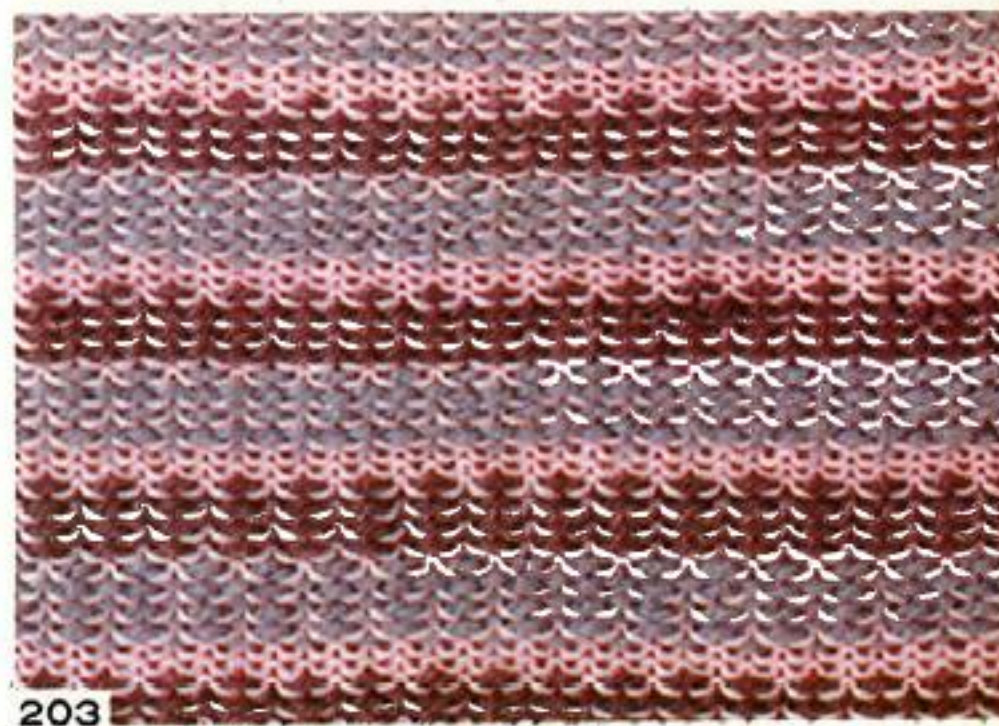
198



202



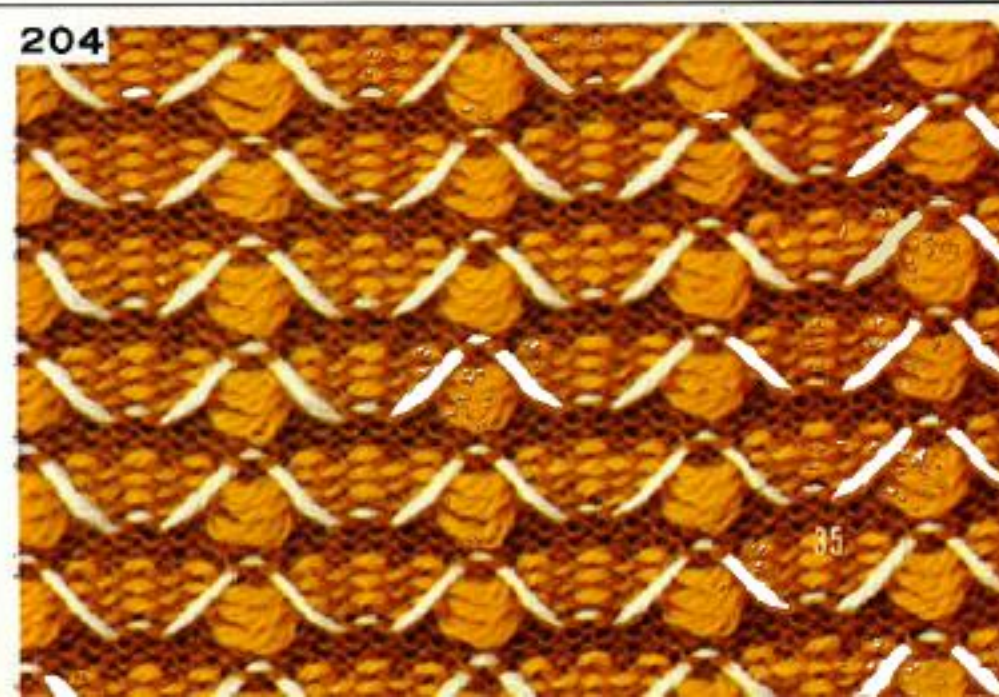
199



203



200



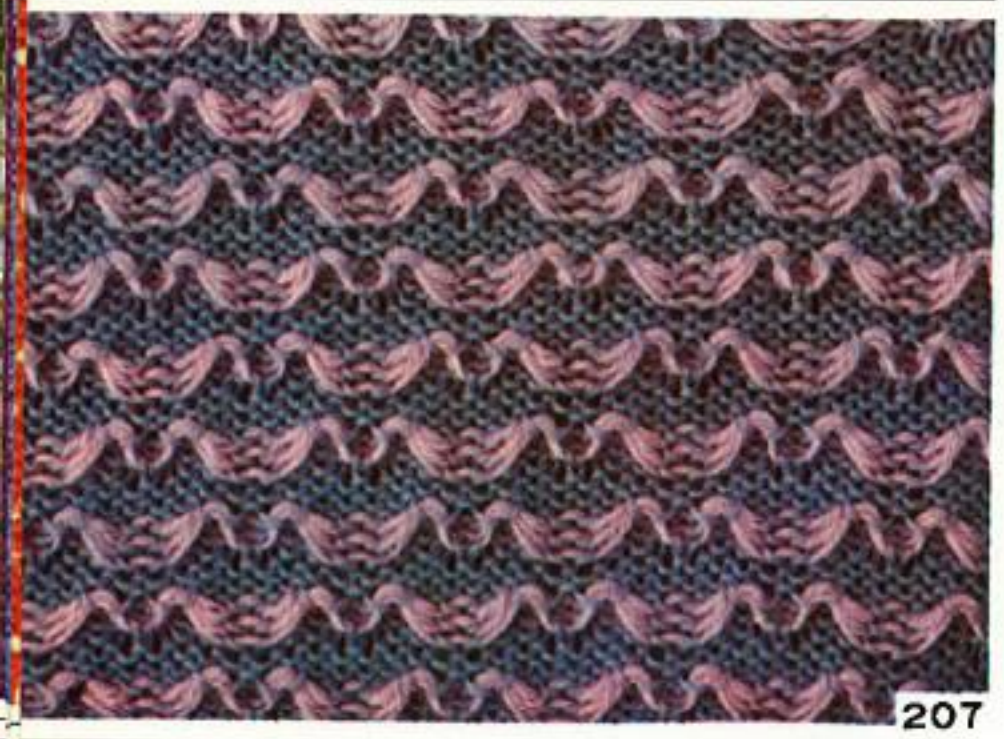
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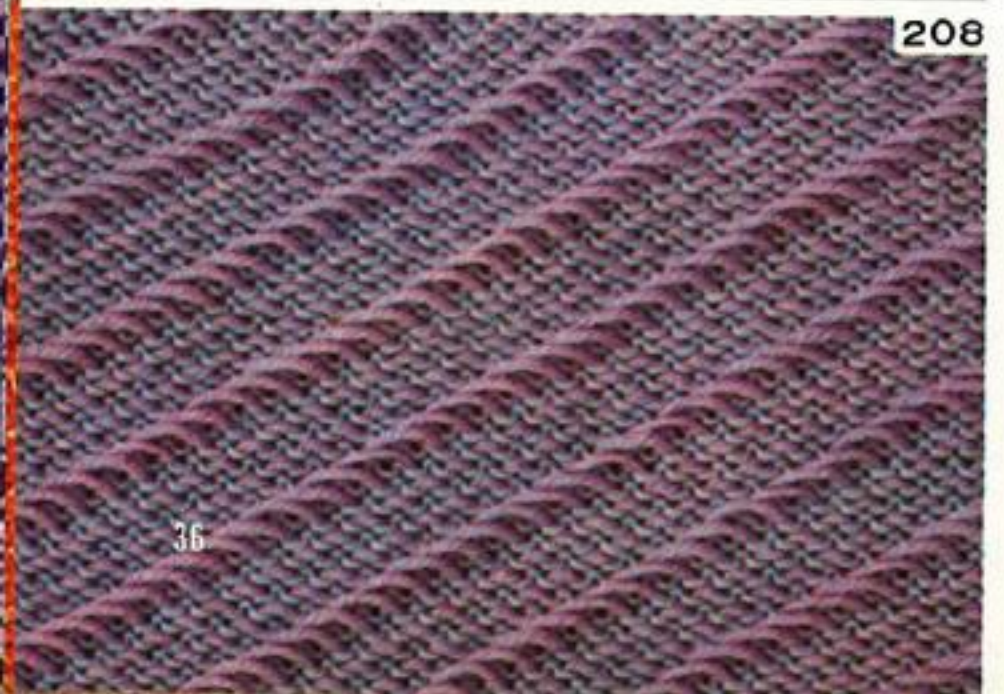
205



206



207



208



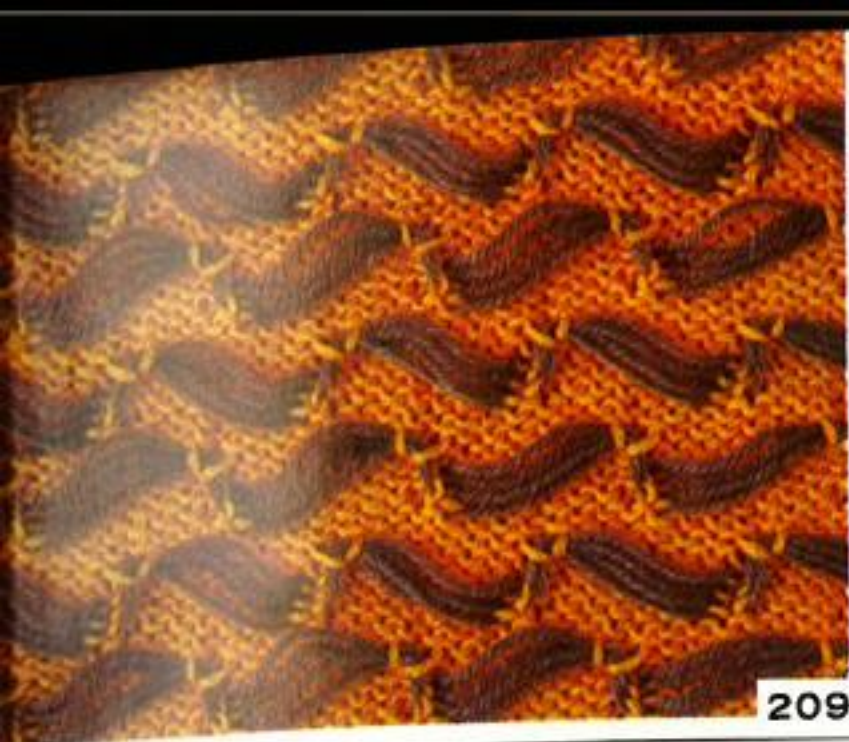
Weaving (Thread Knitting) Patterns

↑ See Page 358

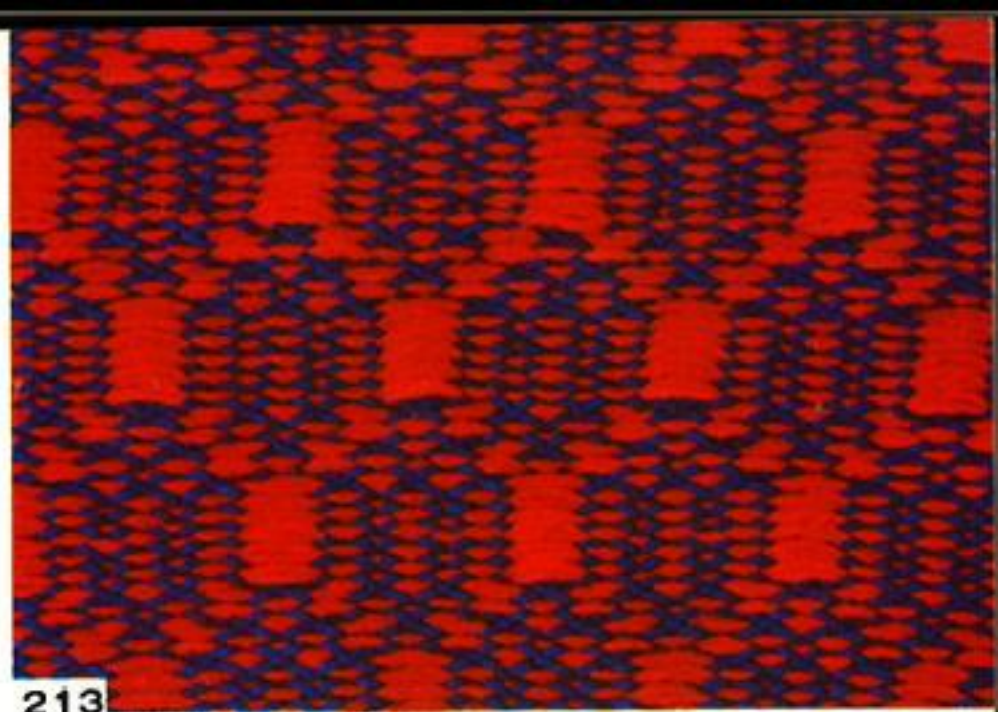
See Page 330 For Diagram

From 201 to 208

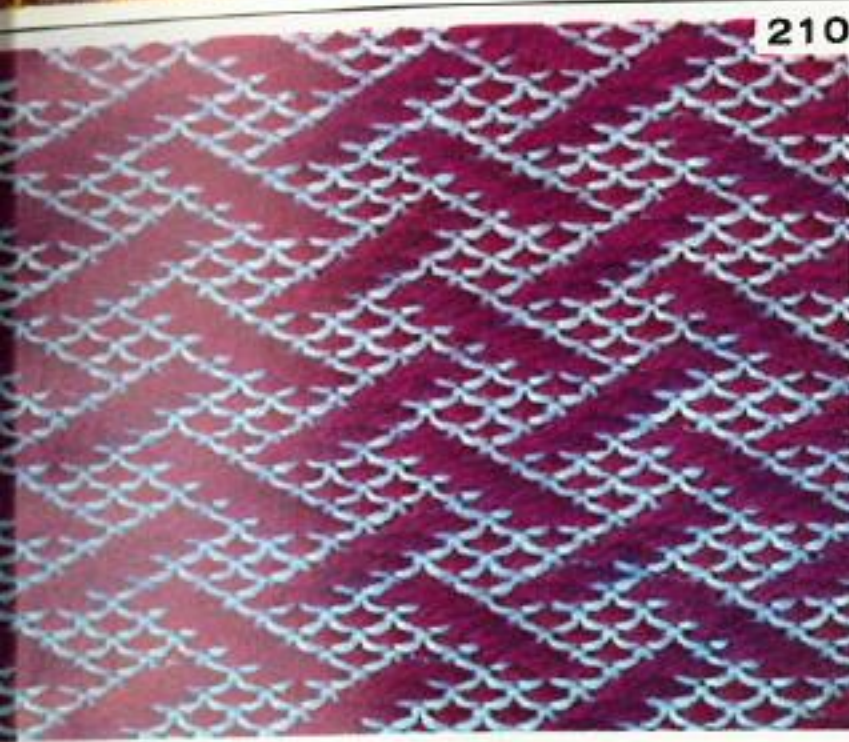




209



213



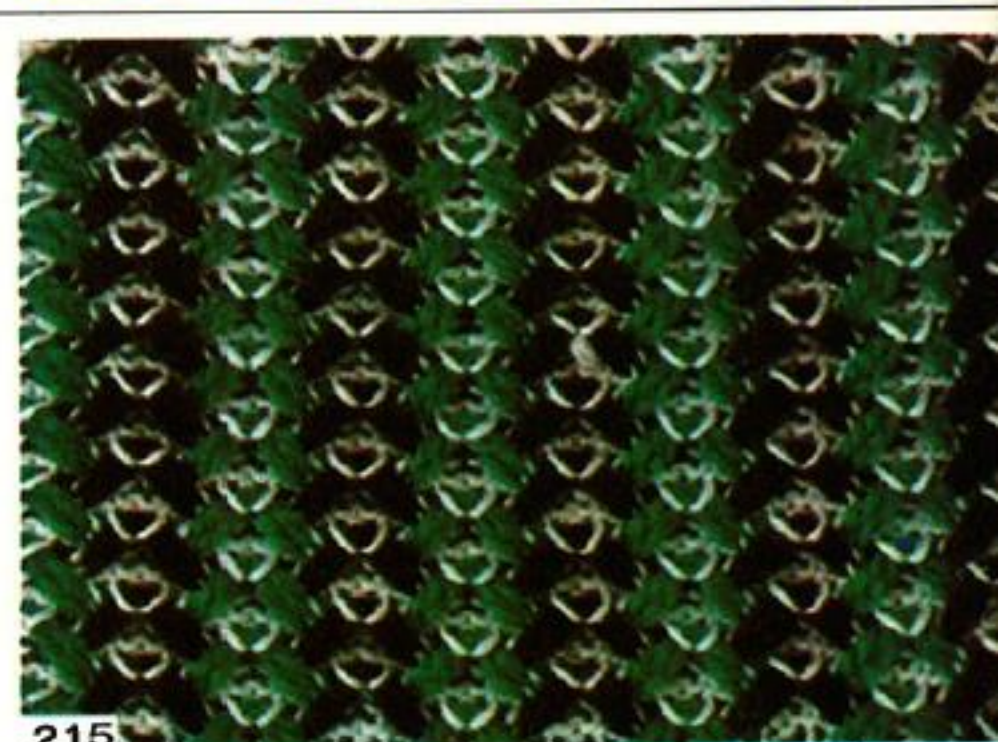
210



214



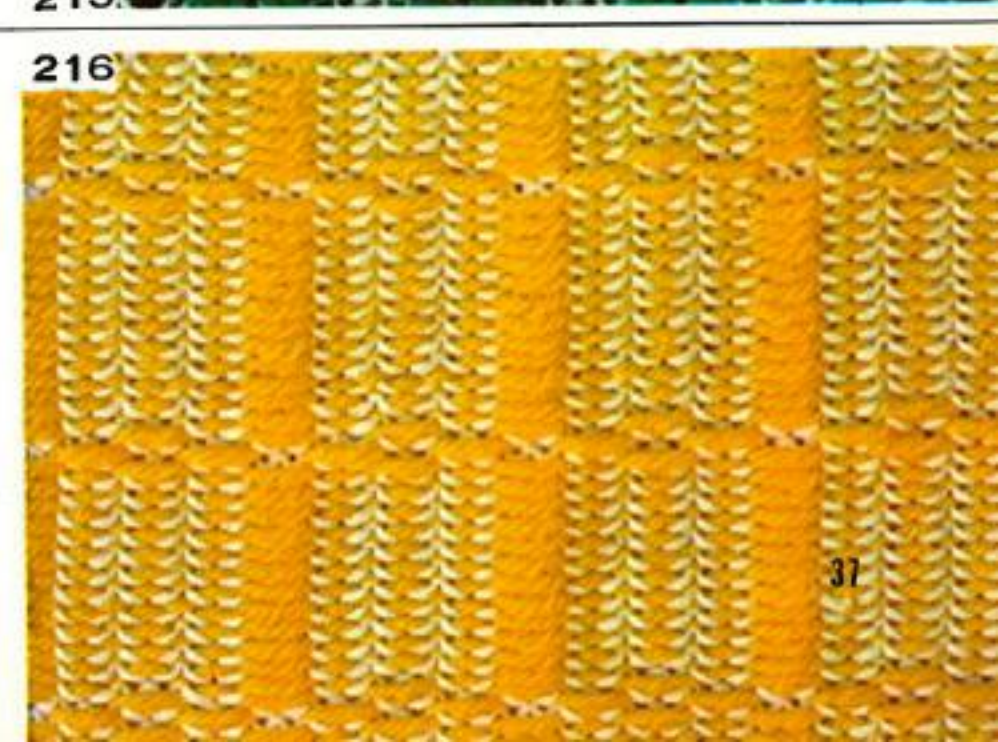
211



215



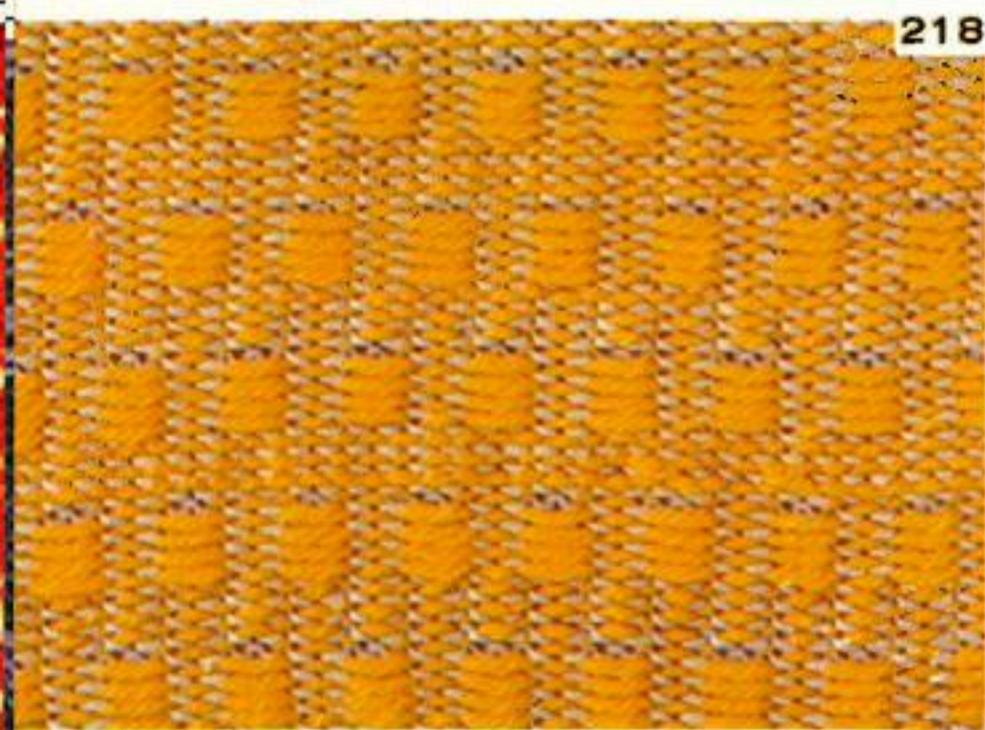
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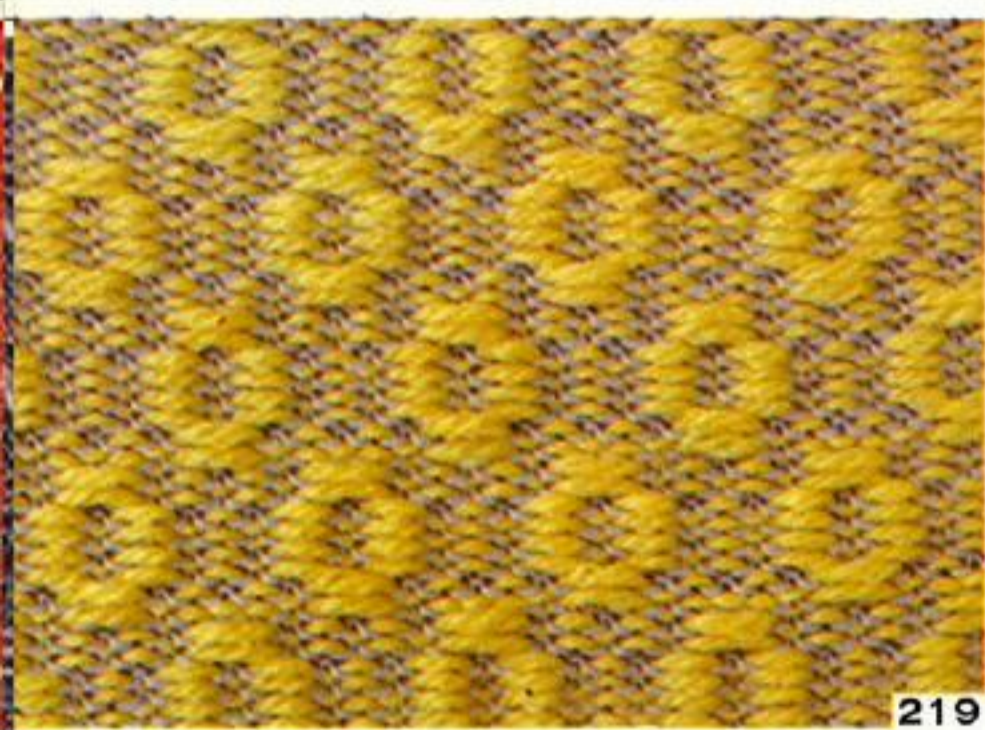
216



217



218



219



220



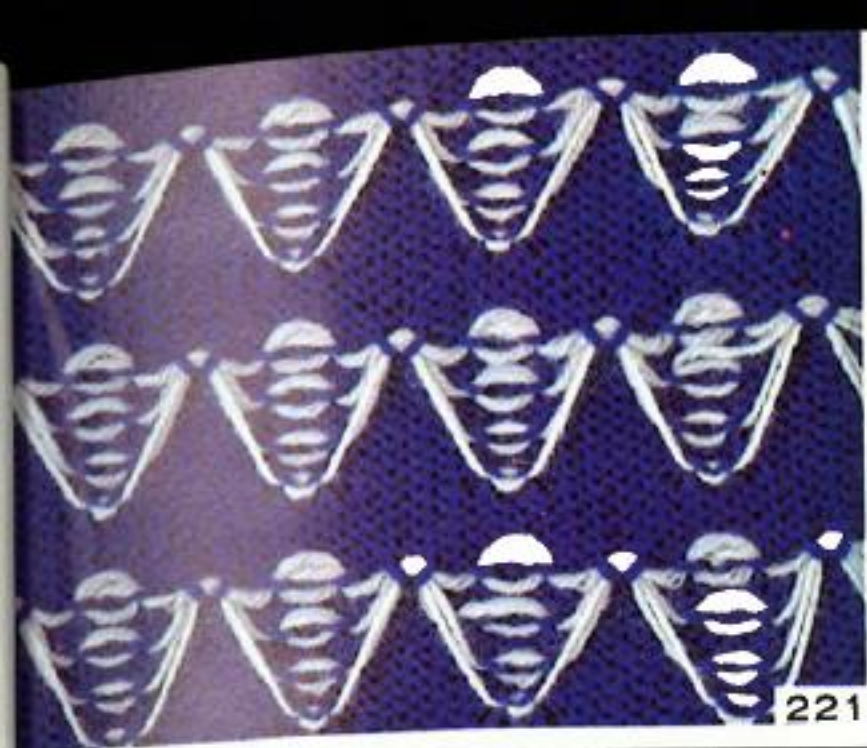
Weaving (Thread Knit) Patterns

↑ See Page 359

See Page 332 For Diagram

From 217 to 224





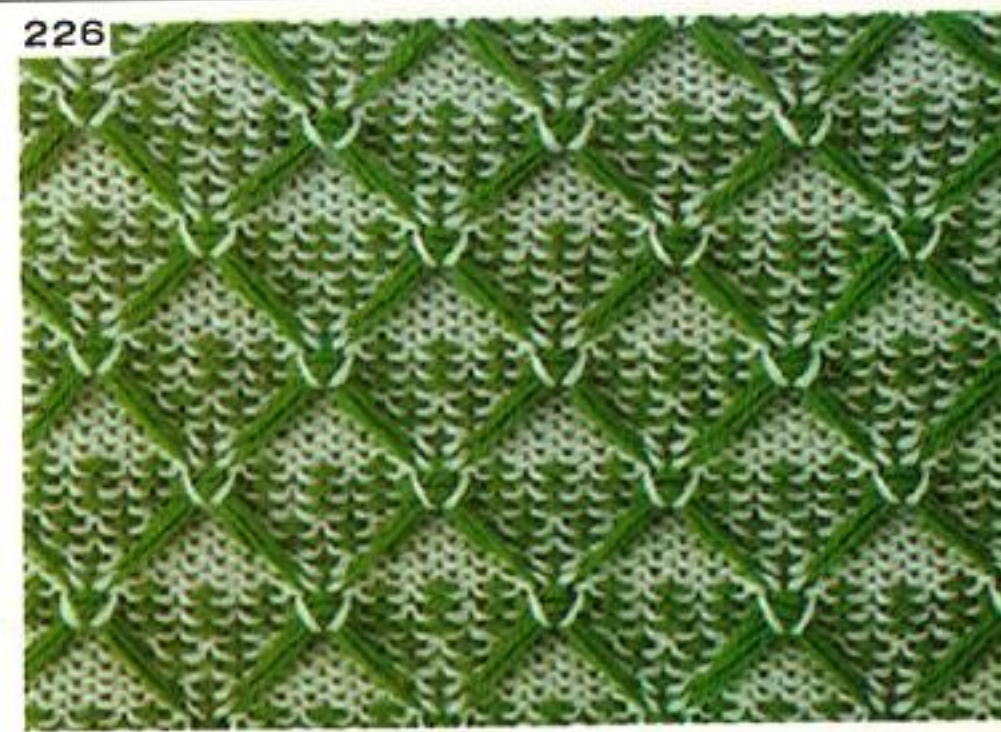
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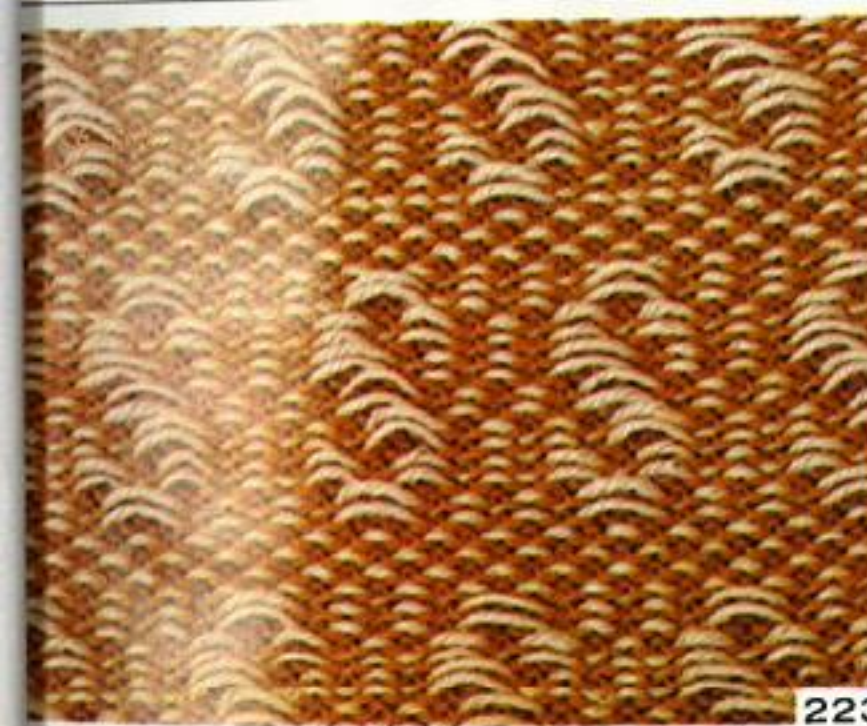
225



222



226



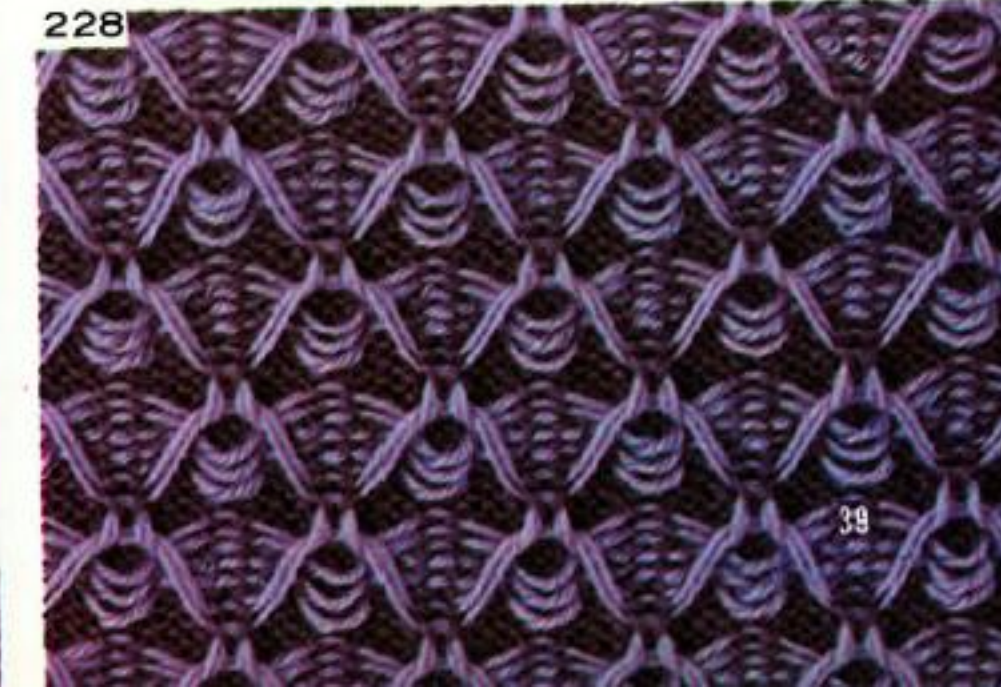
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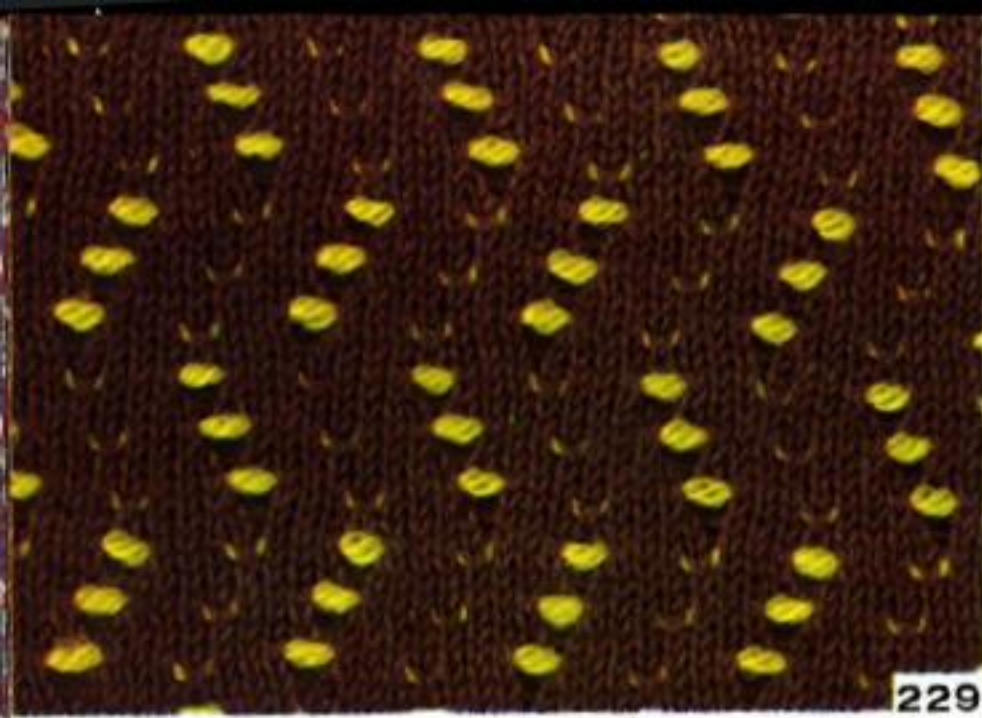
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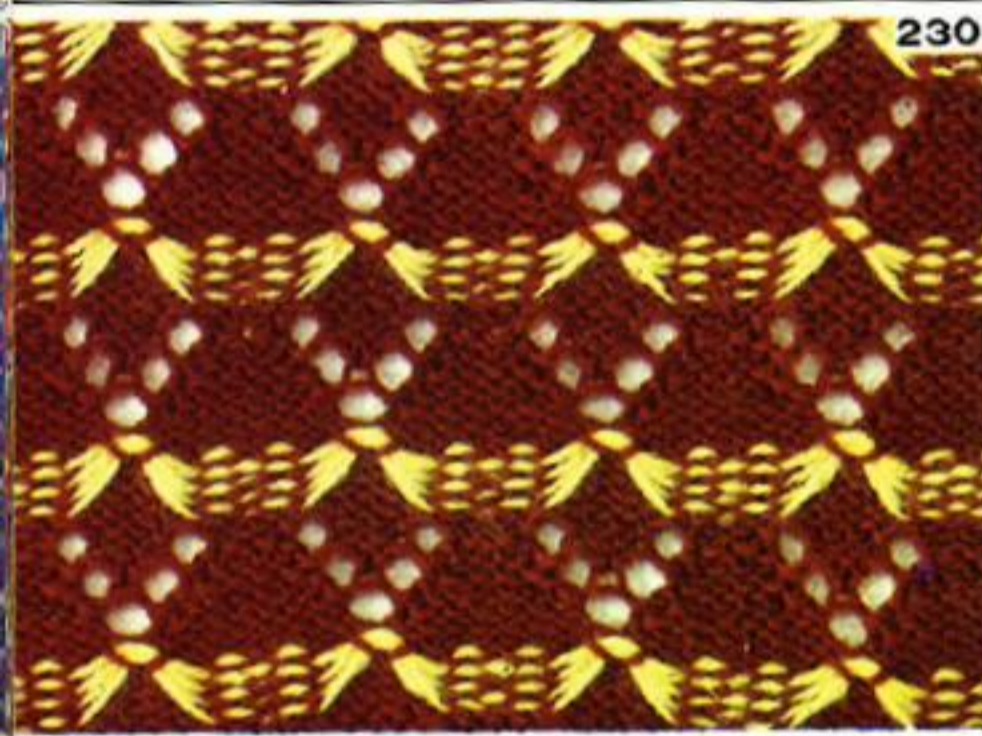
224



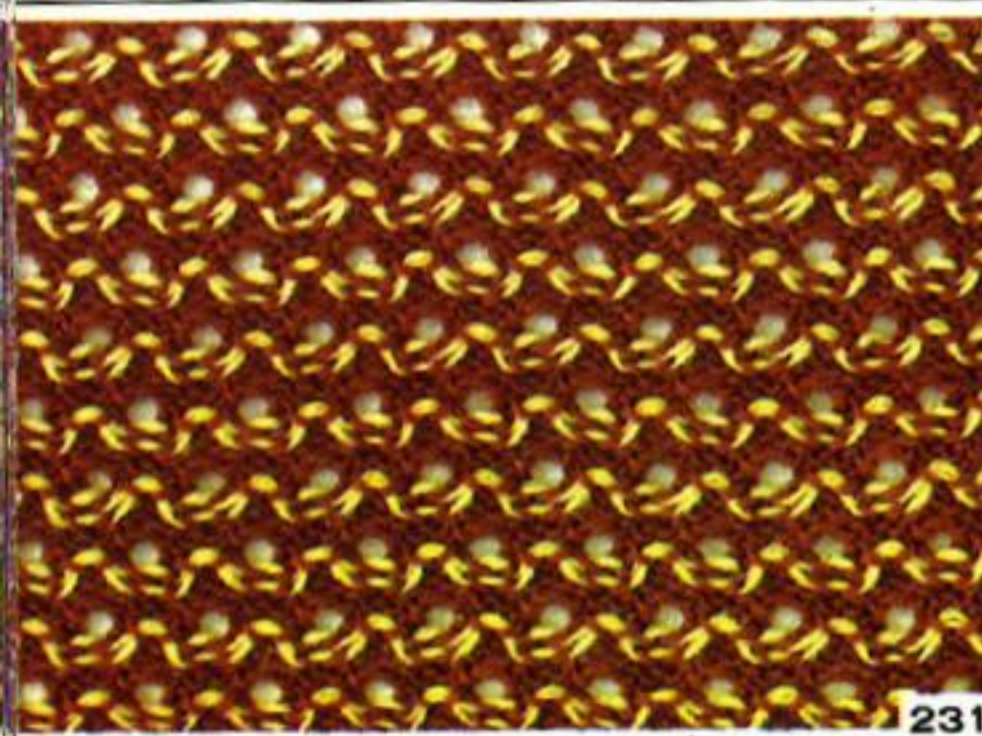
228



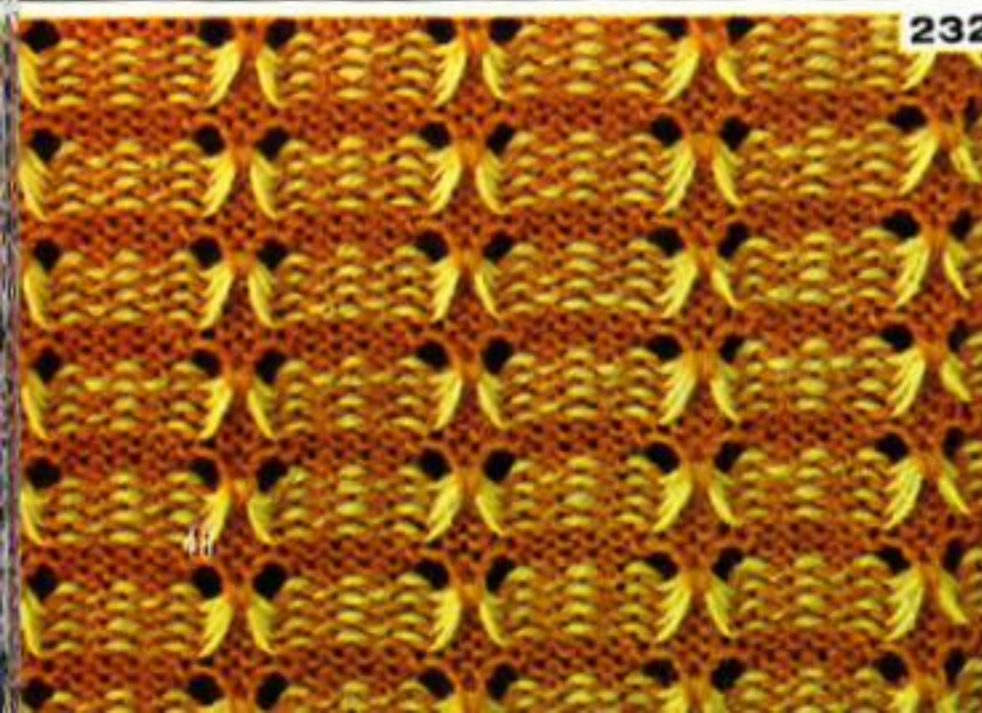
229




230



231



232



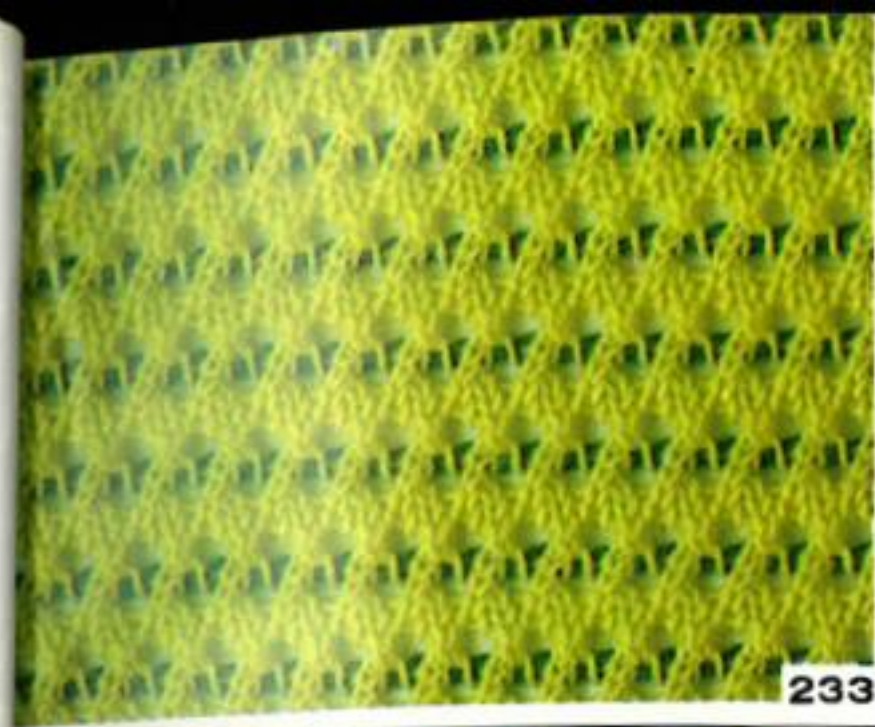
Woven-Lace Pattern Stitches

↑ See Page 360

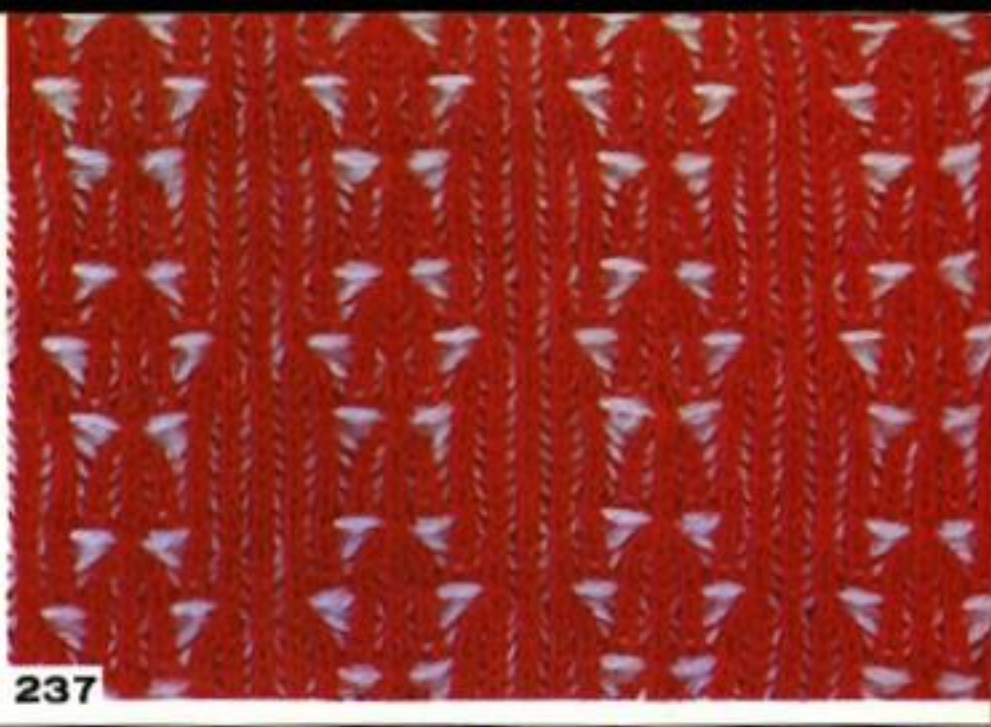
See Page 333 For Diagram

From 225 to

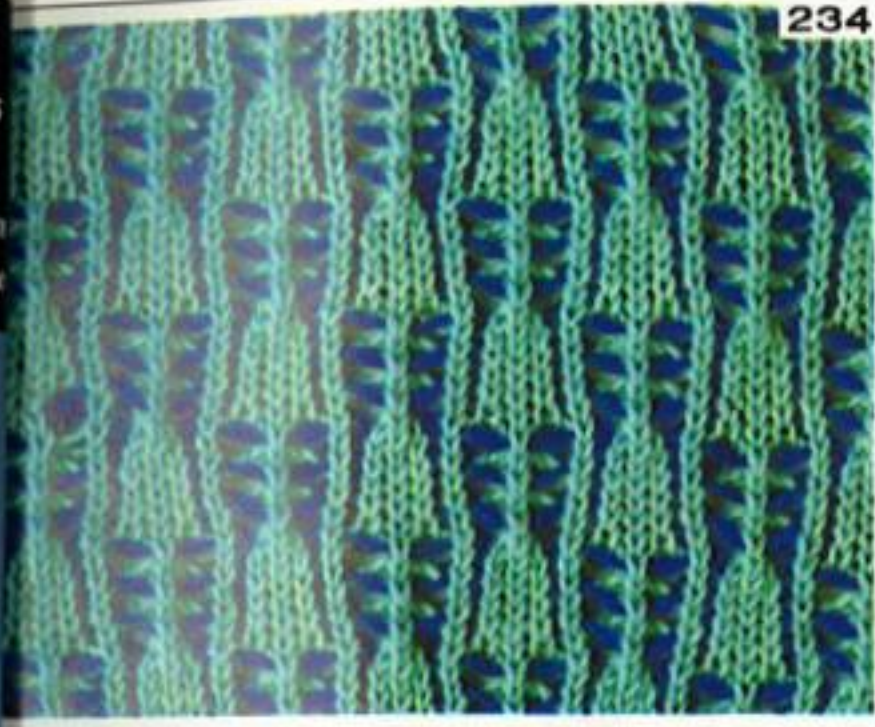




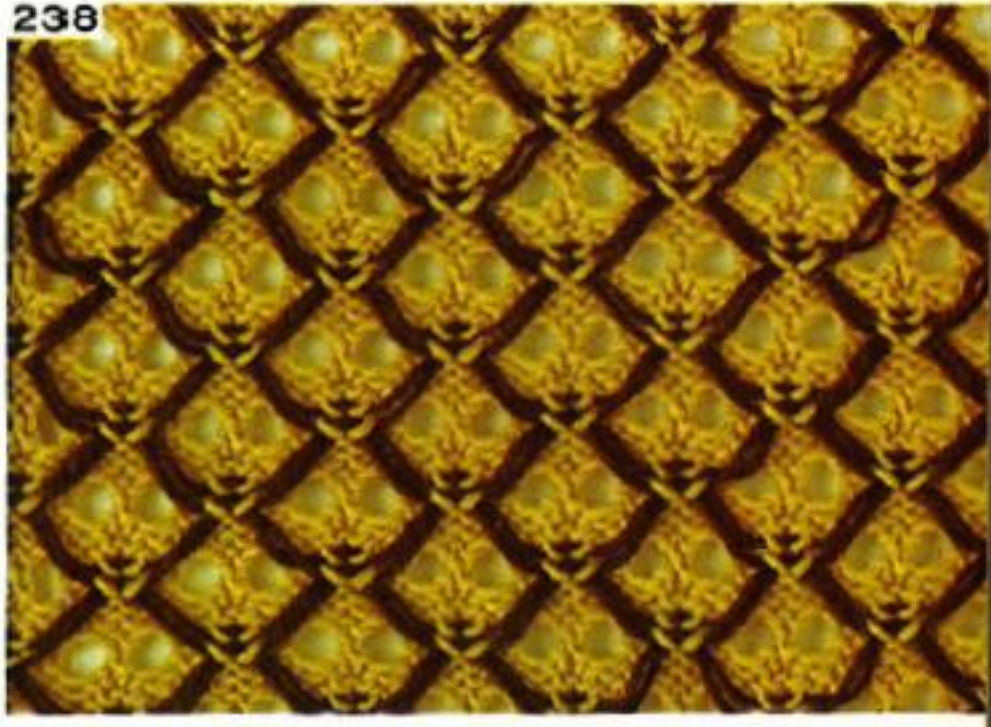
233



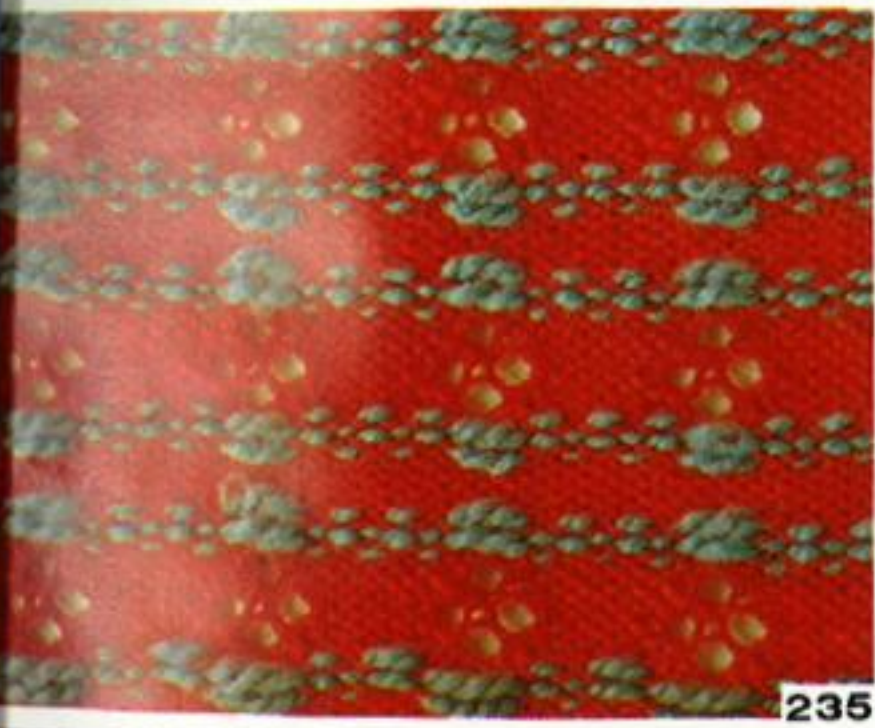
237



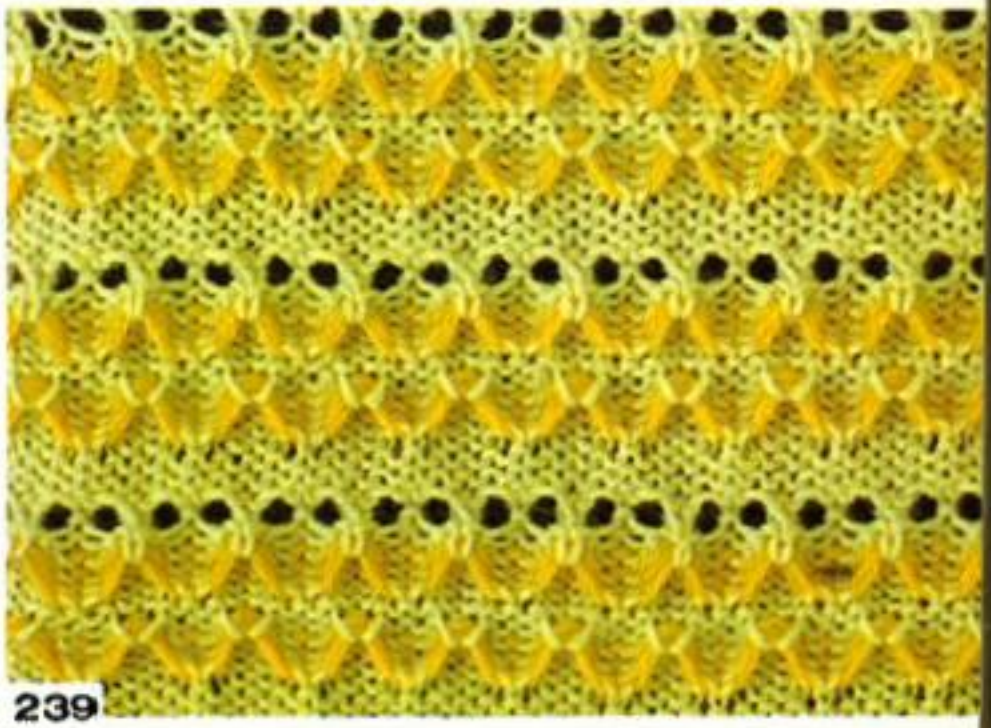
234



238



235



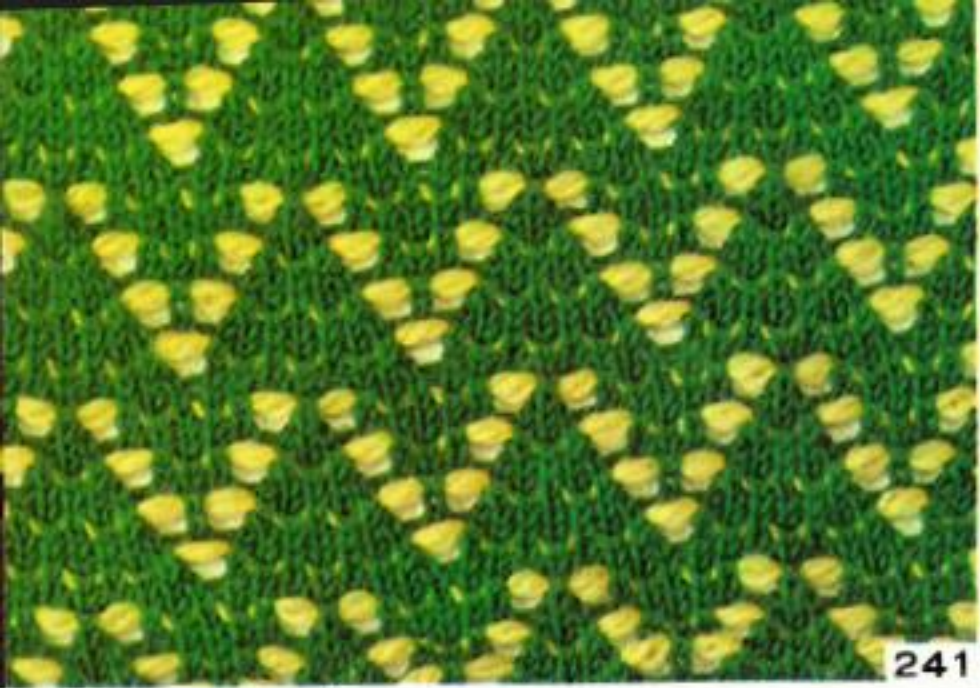
239



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241



242



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244



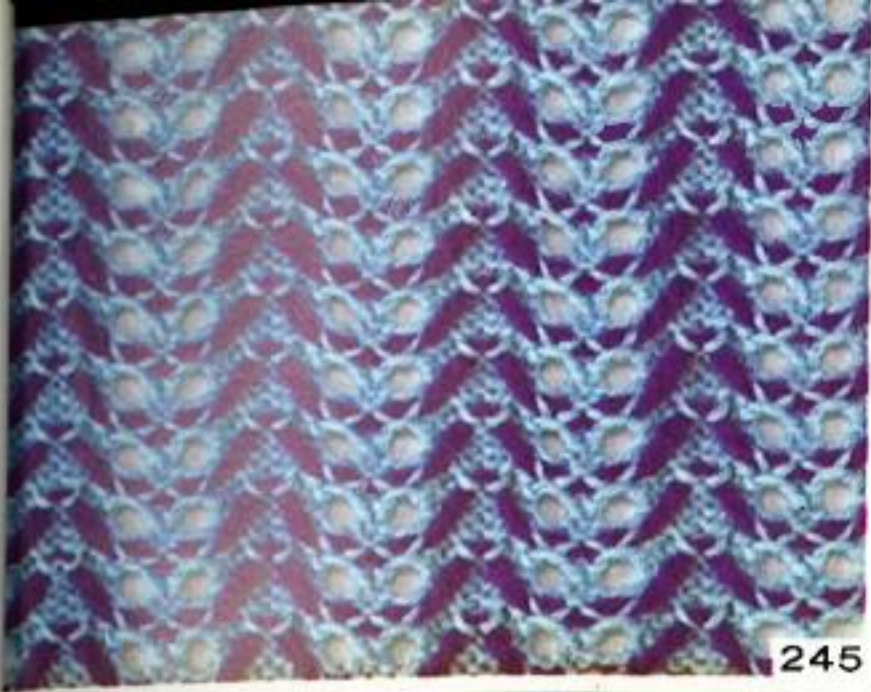
Woven-Lace Pattern Stitches

↑ See Page 361

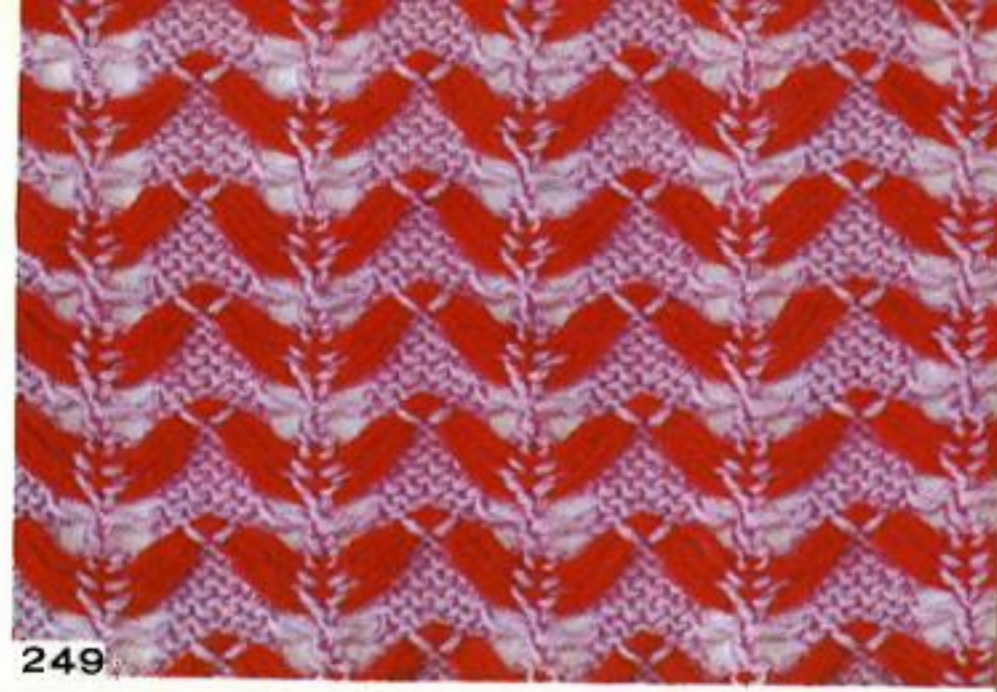
See Page 335 for Diagram

From 241 to





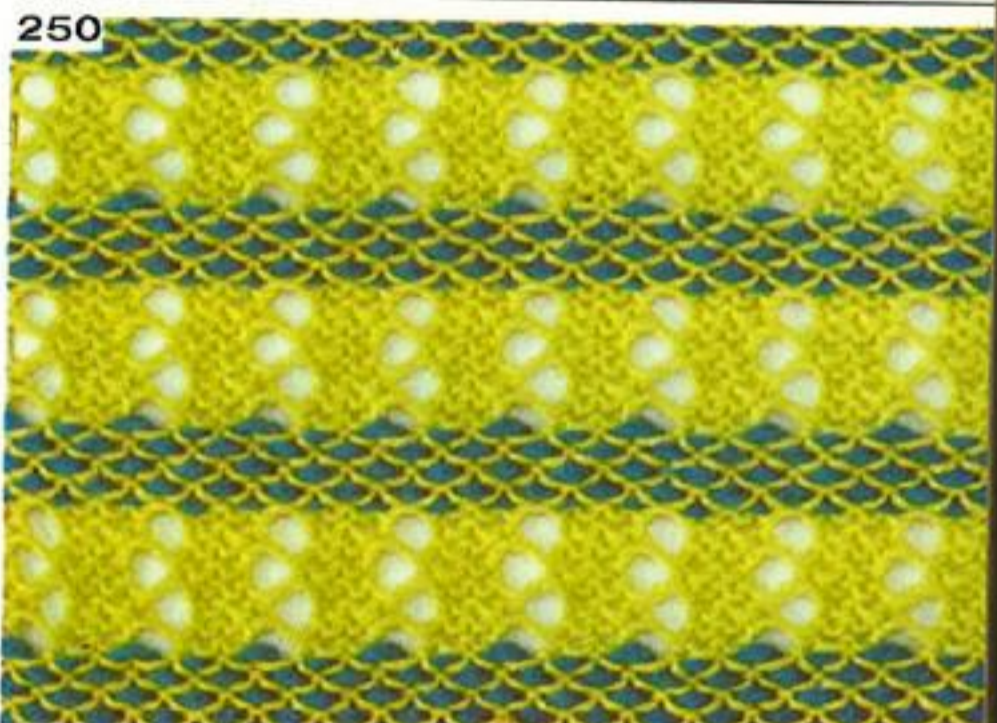
245



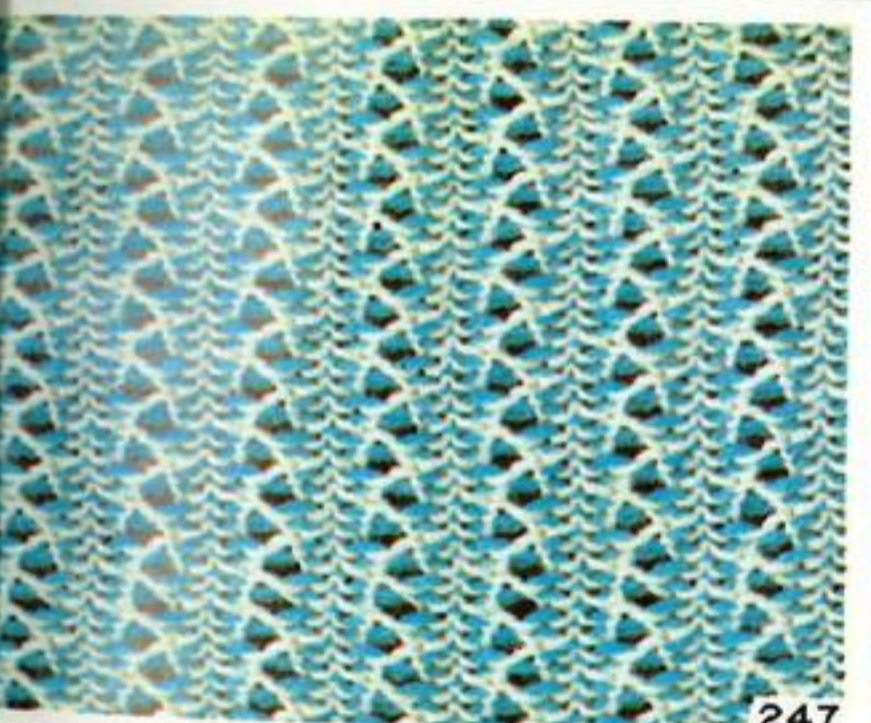
249



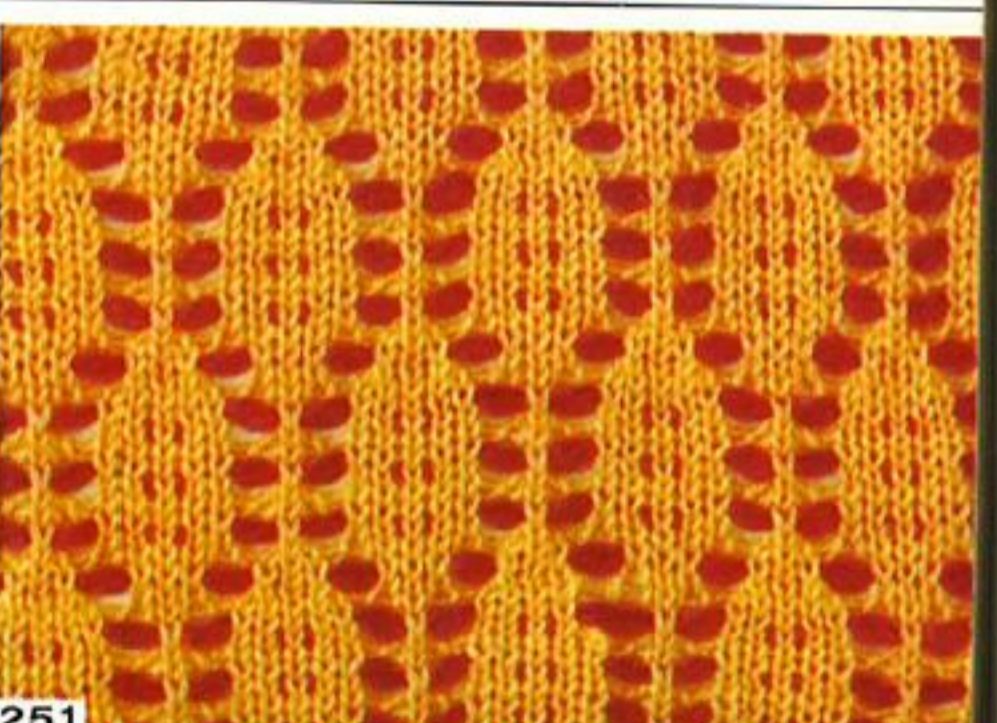
246



250



247



251



248



252



253



254



255



256

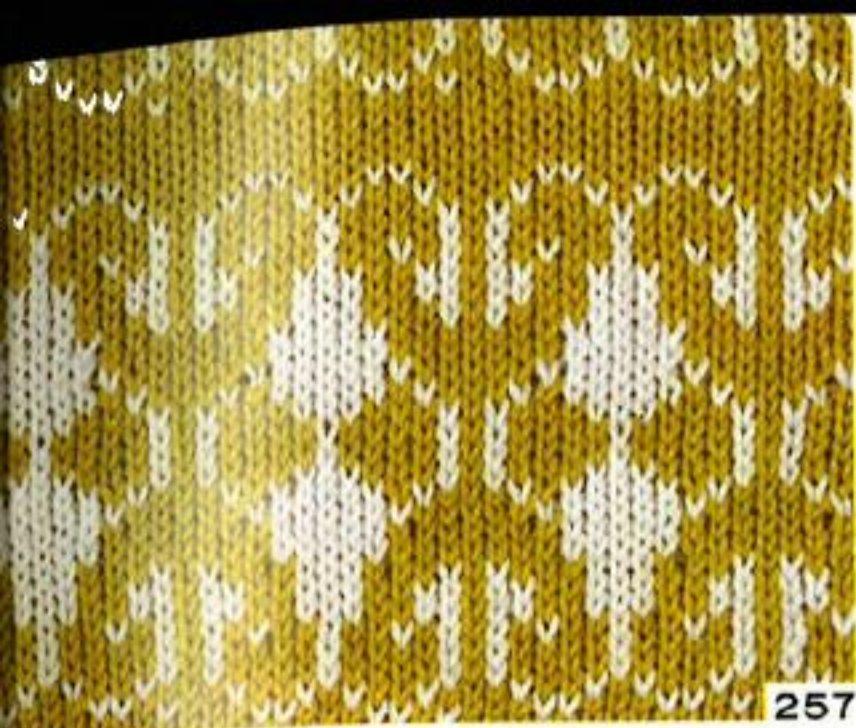


Fair-Isle Colour Patterning

↑ See Page 362

See Page 336 For Diagram
From 249 to





257



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259



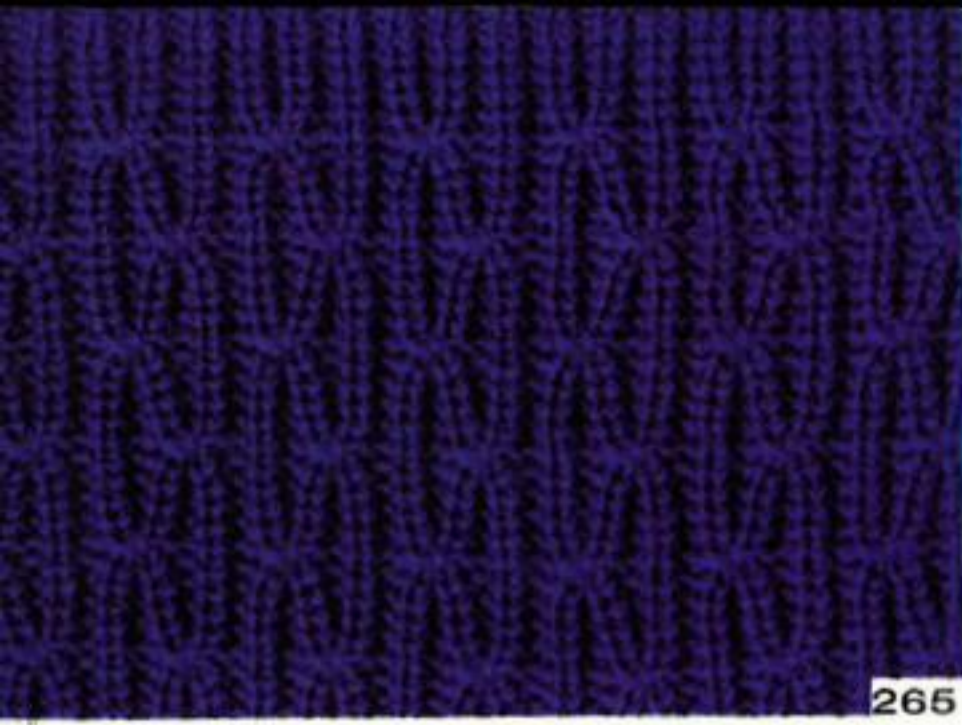
263



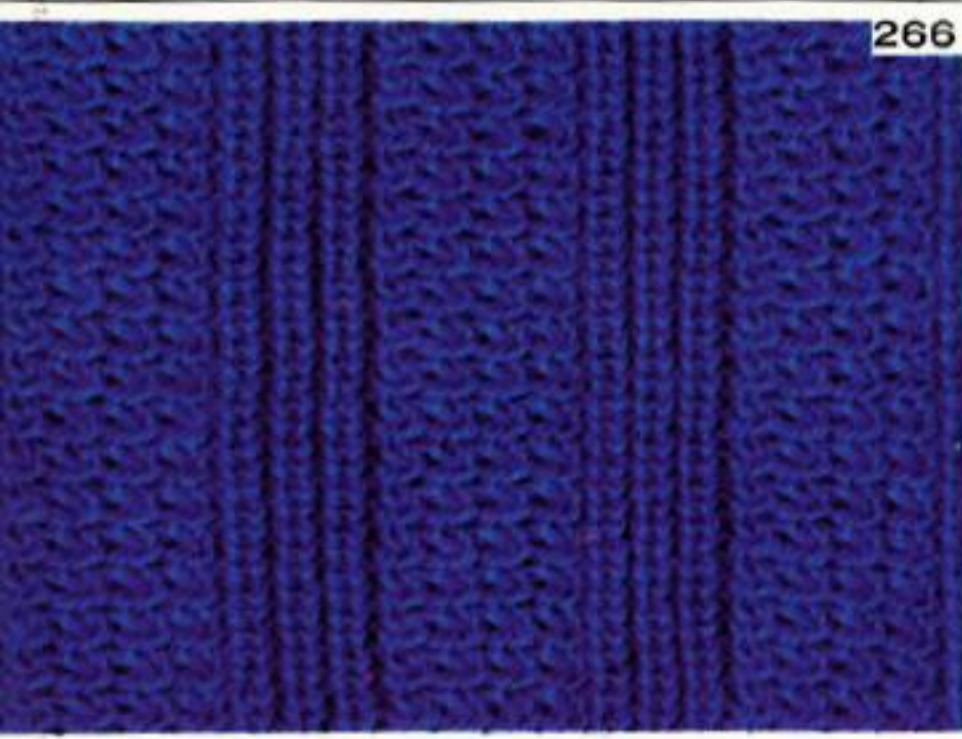
260



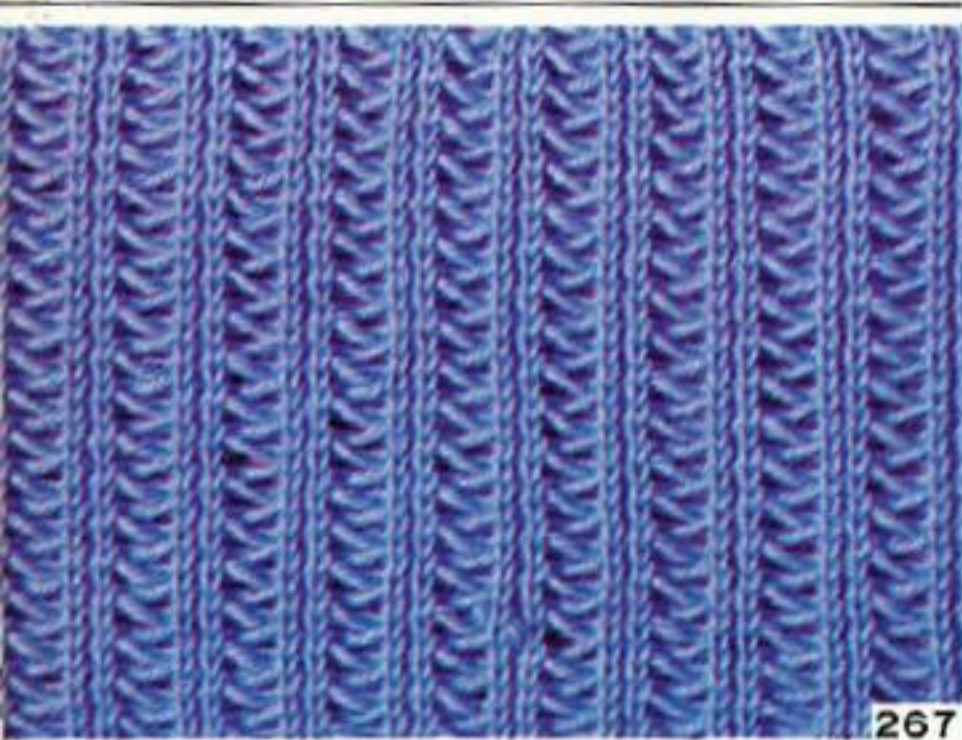
264



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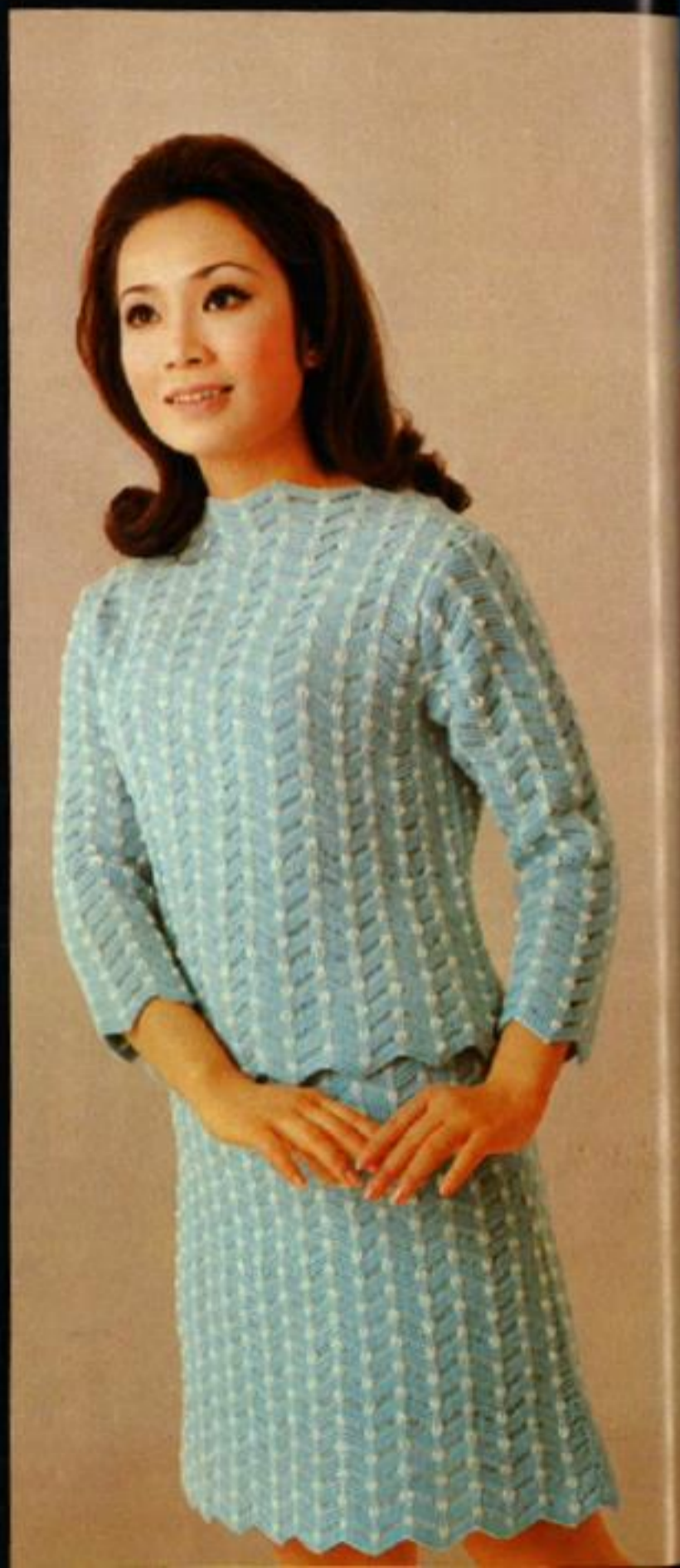


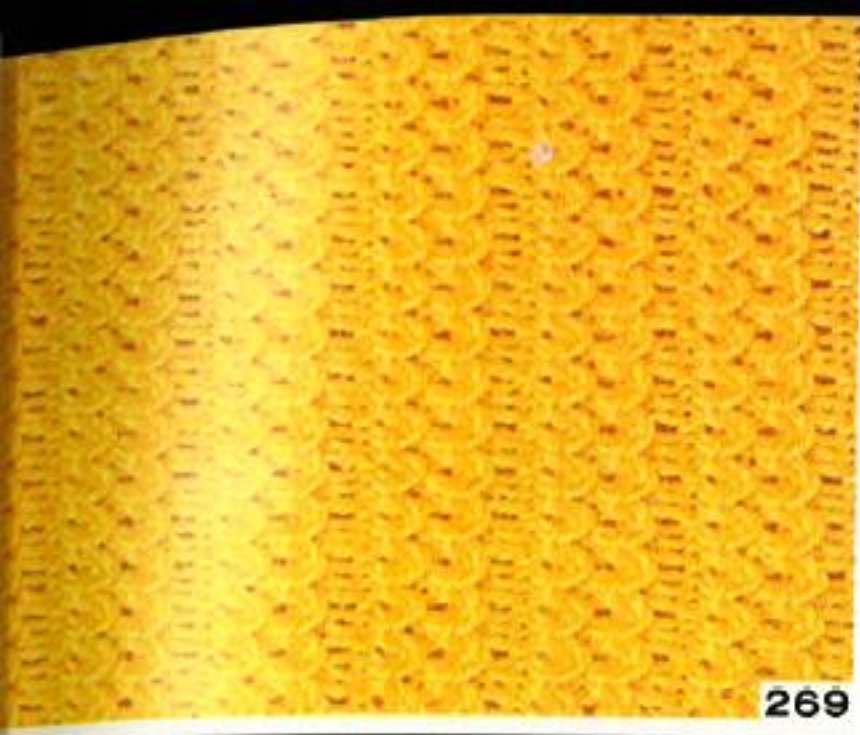
Ribbing Patterns

† See Page 363

See Page 338 For Diagram

From 265 to

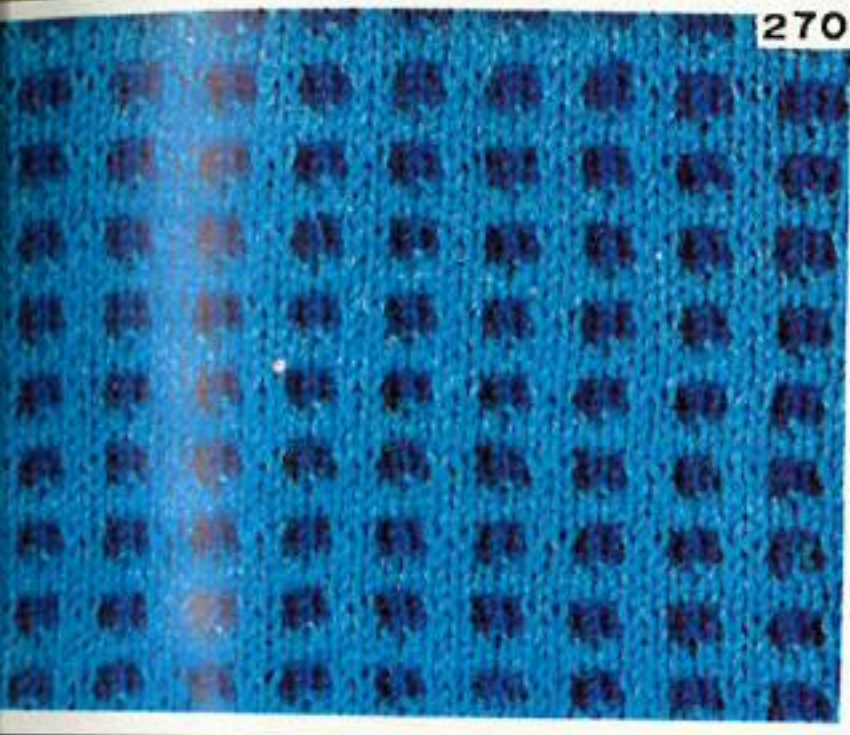




269



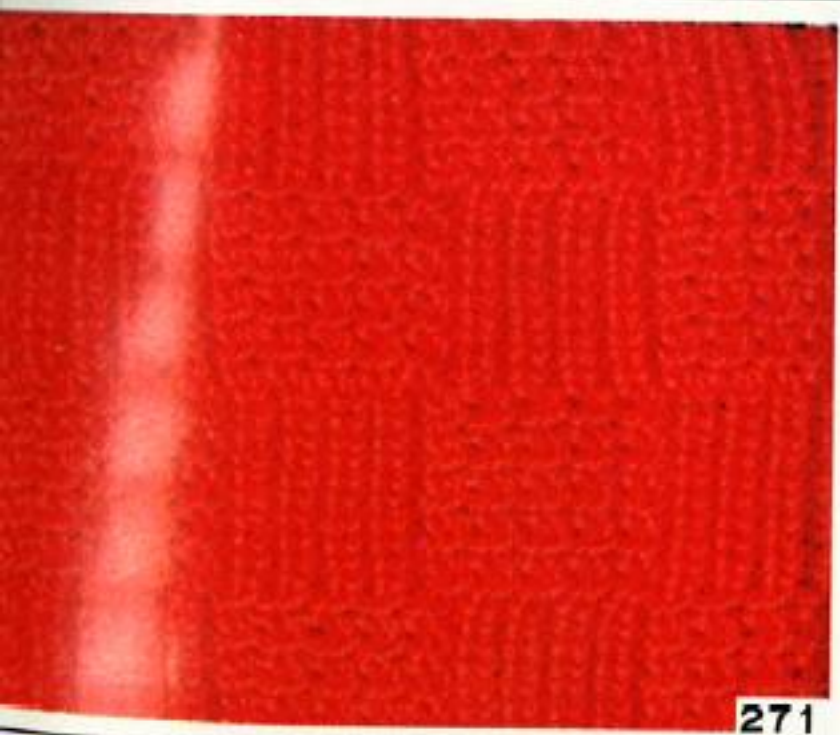
273



270



274



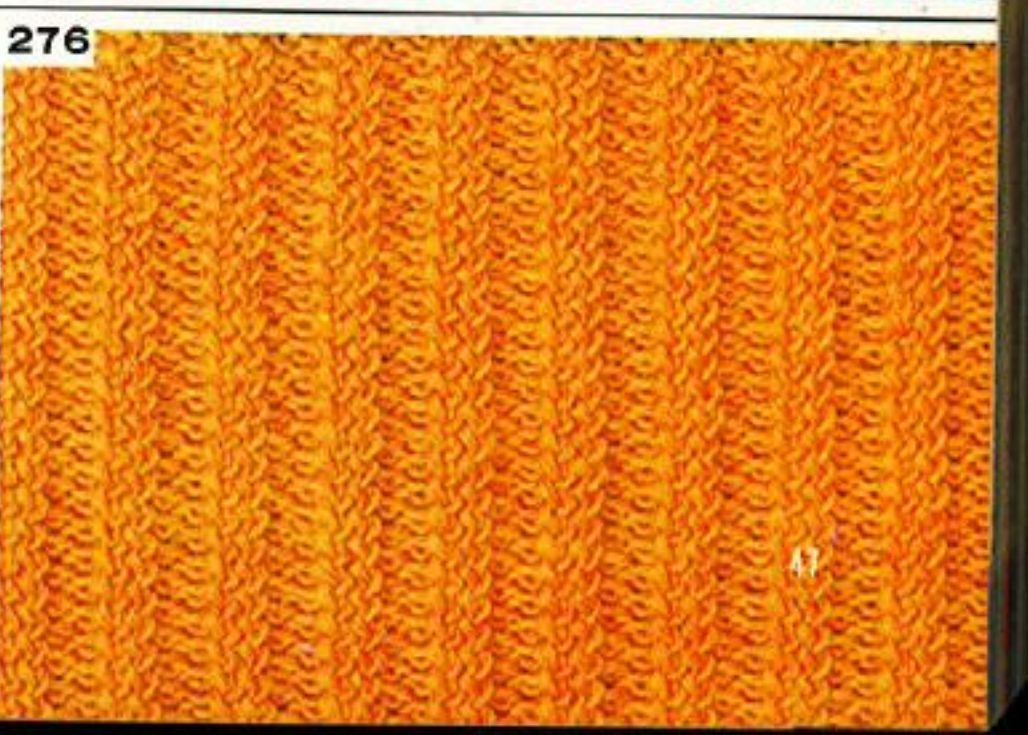
271



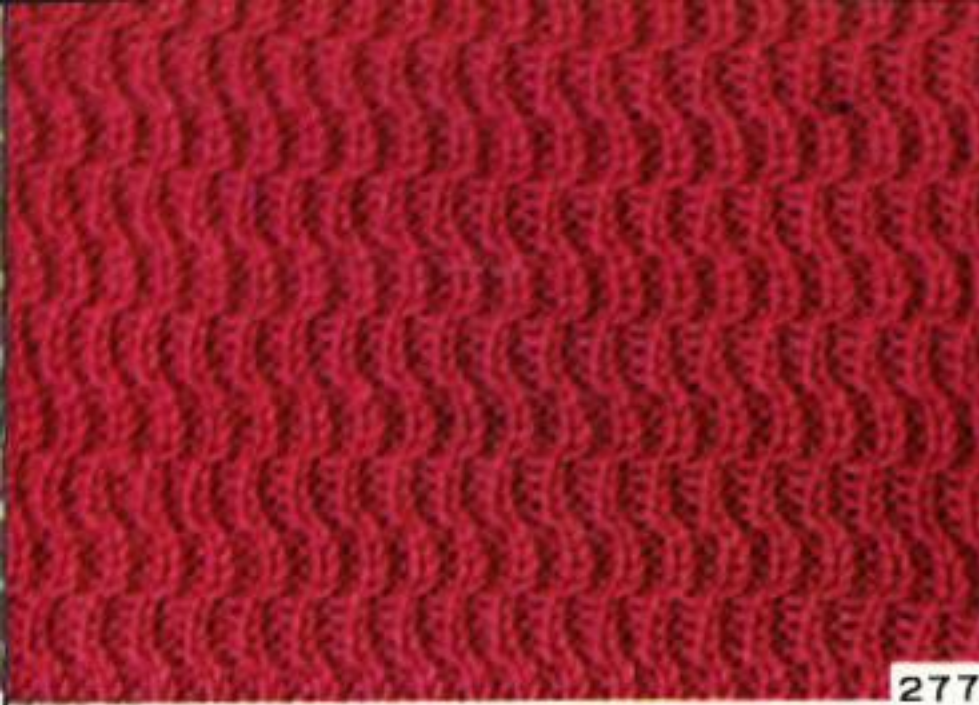
275



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280

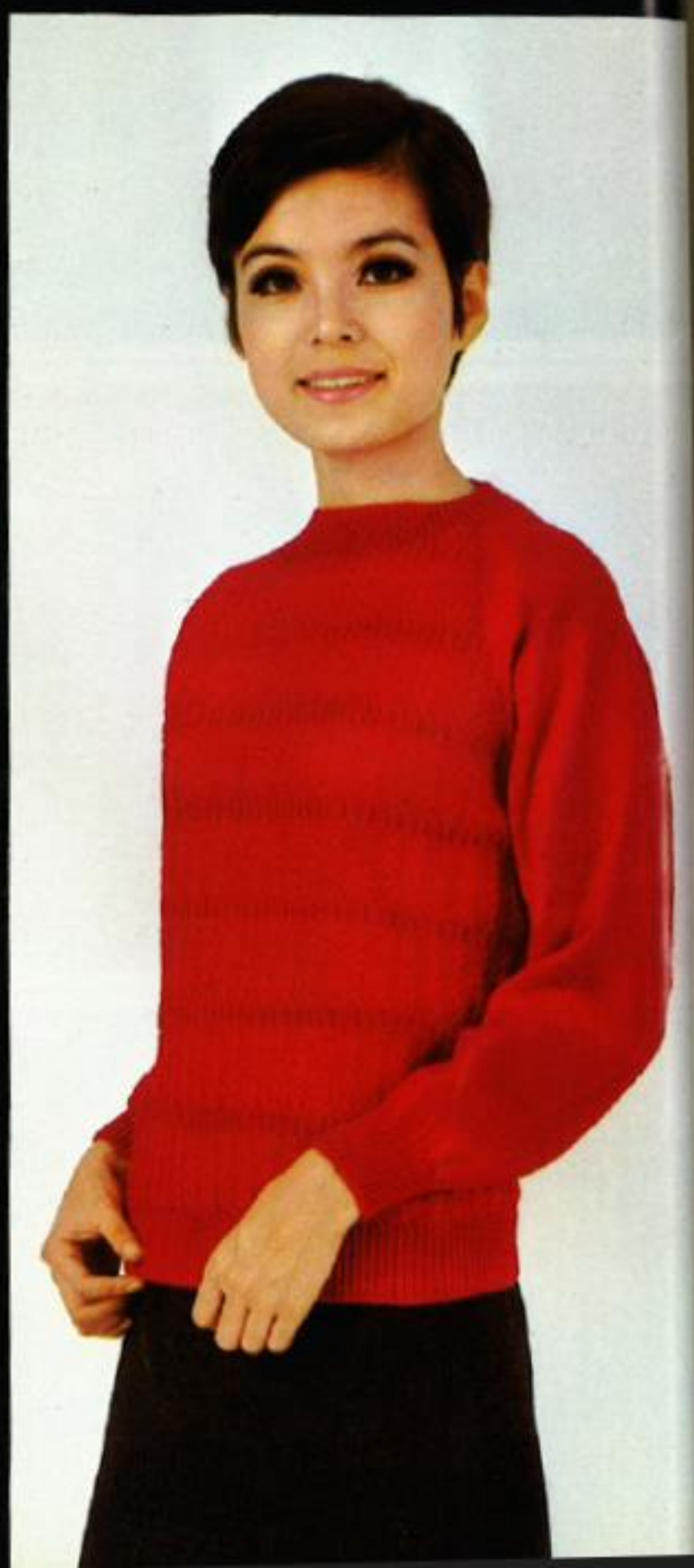


Ribbing Patterns






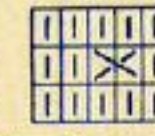

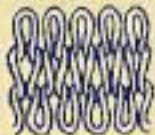



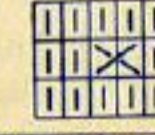





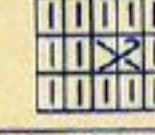




























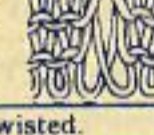



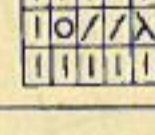


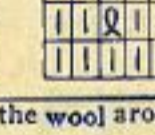


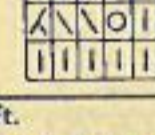


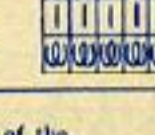


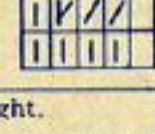






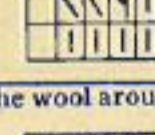

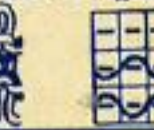



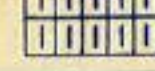
↑ See Page 364

See Page 339 For Diagram

From 273 to 280



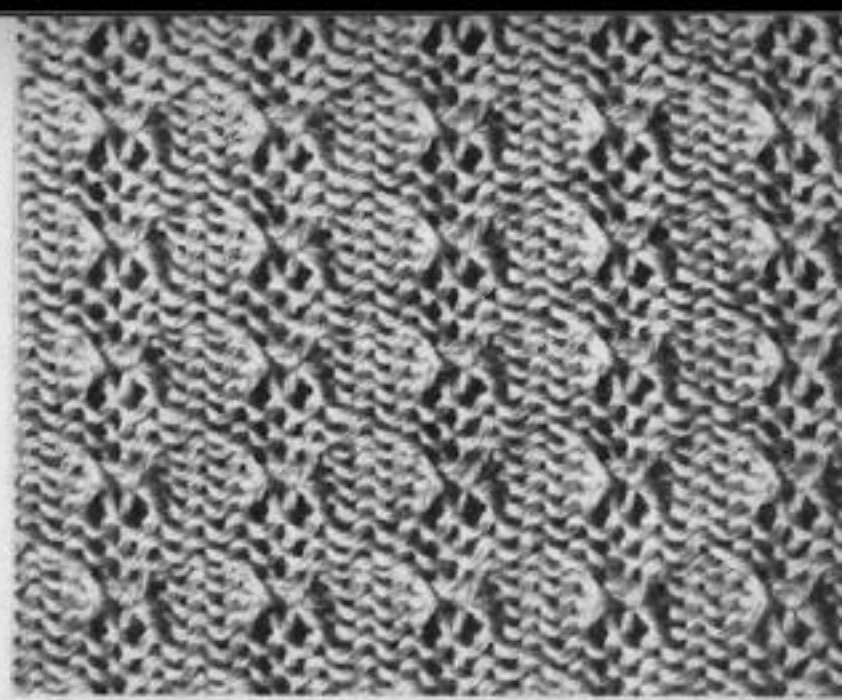
KNITTING SYMBOLS

Symbol & Name	How to Work	Symbol & Name	How to Work
Knit stitch 	Face loop of plain stitch.   	Crossing, right over the left X	Cross the stitches with the right stitch over the left.   
Purl stitch —	Back loop of plain stitch.   	Crossing, right over the right X	Cross the stitches with the left stitch over the right.   
Hole o	Hole made by transferring the stitch to the next needle.   	Cross stitch through left stitch X	Crossed stitches with the right side stitch through the stitch on the left side.   
Two stitches together >	Transfer right stitch to the adjacent left needle.   	Cross stitch through right stitch X	Crossed stitches with the left side stitch through the stitch on the right side.   
Two stitches together <	Transfer left stitch to the adjacent right needle.   	Slip stitch v	A loop marked is pulled up with yarn across behind it.   
Three stitches together >	The center stitch on top of the left and right stitches.   	Float stitch ∩	A loop marked is pulled up with yarn across in the front.   
Three stitches together <	Right stitch on top.   	Tuck stitch ∩	A few loops on marked rows pulled up onto one needle.   
Three stitches together >	Left stitch on top.   	Twisted tuck stitch ∩	A stitch twisted and pulled up onto a needle above.   
Lean stitch to the right /	Lean stitch to the right.   	Twisted stitch ∩	A stitch is twisted.   
Lean stitch to the left \ 	Lean stitch to the left.   	Winding stitch ∩	The loops made by winding the wool around the needles.   
Increased stitch to the right Y	Increase one stitch to the left.   	Remarks:	1. As a rule, the symbols are used for the right side of the garment. When it especially calls for the wrong side of the garment, the stockinette sts are indicated by marks. 2. Diagram of symbols: In order to represent the structure of the pattern sts the square sections are usually used having each symbol in the center of the section. 3. Sinker loops: In order to represent the sinker loops the symbols are placed inbetween the sections as shown by the figure No. 1, and the row below it in the figure is to line the row below the mark in the diagram of symbols.    
Increased stitch to the left Y	Increase one stitch to the right.   	4. Woven in wool: The wool in contrasting color woven in the garment is indicated like the figures No. 2.	  
Three stitch increase V	The loops made by winding the wool around the needles.   		

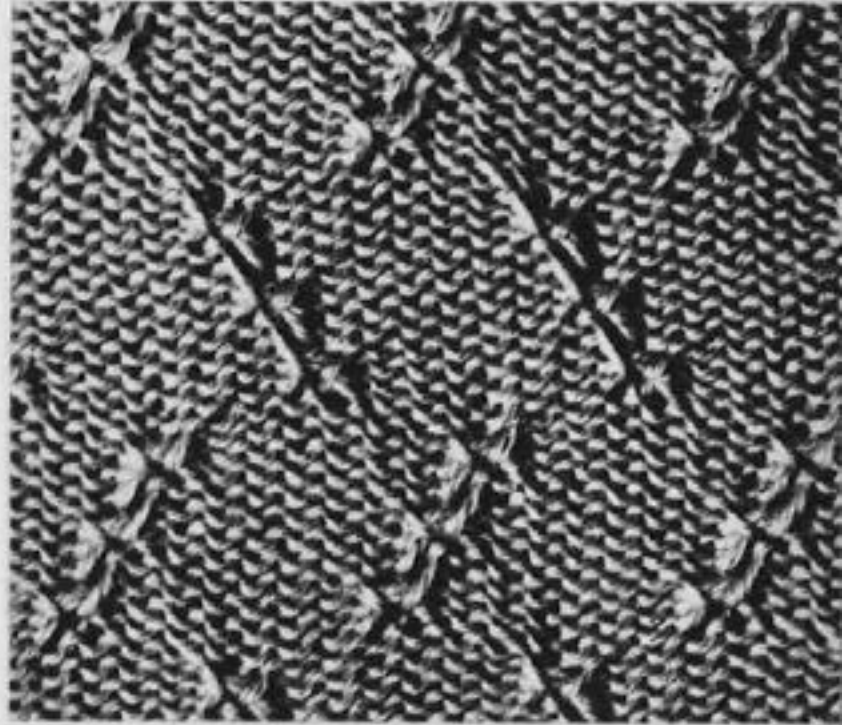
Each column on the operation chart and the symbols read as follows:

- Order** Operate the machine according to the numbers from the bottom upwards.
- Proceeding direction of the carriage**..... Start knitting operation of the carriage from the right side. (The carriage is operated after all the settings are finished.)
- (Symbol) ←..... Operate the carriage from right to left.
→..... Operate the carriage from left to right.
↺..... Go and come back operation of the carriage (i.e. knit two rows).
- Yarn in feeder** Means the yarn threaded in the yarn feeder.
- (Symbol) **a** stands for basic color, while **b** and **c** stand for contrasting colors.
- Tension dial** The number in this column represents the recommended tension dial number. It is intended only as a guide.
- Change lever** Represents the positions of change levers for left and right respectively. They have three positions I, II & III. (Also called Holding Cam Levers—H.C.Ls.)
- Cam buttons** Shows which of the cam buttons to depress. When the column for "PLAIN" is marked with ☐, do not depress the corresponding buttons. When column for "TUCK" or "PART" is marked with ☐, depress the corresponding button.
- Thread or Weaving apparatus**..... Represents the position of Thread knob and Thread lever.
- (Symbol) When it has N, set both, the knob and the lever, at N position. While if it has T, set both, the knob and the lever, at T position.
- Needle selection buttons**..... Show which of the buttons to depress as well as the operation of the set levers.
- In case the column is marked with ☐, depress the corresponding button with the number. Then push down the set lever to bring forward the selected needles.
 - If the column is marked with ☐, just push down the set lever, leaving the needle selection buttons as depressed.
 - In case the column is blank, there is nothing to do with needle selection buttons nor set lever, just operate the carriage.
- Reverse knob** The reverse knob has two positions, A and B. When the indication shows position A, set the reverse knob at A, and vice versa.
- Slide dial** It represents the position on the Slide dial.
- For example, if it is marked with I turn the slide dial to set the ▼ mark on the slide dial to I.
- (The needles are arranged for pattern stitches by pushing down the set lever after the Needle selection buttons, Reverse knob and the Slide dial are set as instructed.)
- Yarn for thread knitting**..... In case there is any mark of **a**, **b**, or **c**, it means the colour of the yarn for weaving and at the same time, to place the yarn over the selected needles and to knit. If the column is vacant just operate the carriage.
- Proceeding direction of L-carriage**..... In case you work lace pattern using L-carriage, always run the L-carriage according to the arrow index. But when the column is blank, do not use L-carriage. (Detailed explanations will be given on the page for "Open Work Patterns".)
- Knitting symbols** ... The pattern stitches are represented by the symbols, by showing the wrong side of the garment.

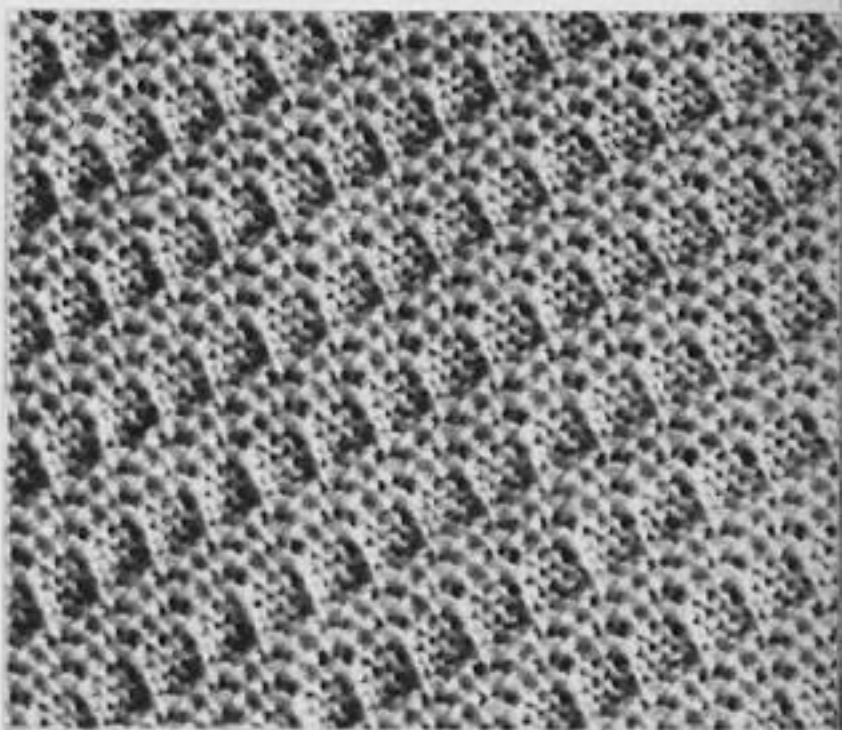
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Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←	
Color	1	2	3	4	5	6	7	8	9	10	11	12	
Tension Dial	0	1	2	3	4	5	6	7	8	9	10	11	
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11	
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11	
Carriage	TUCK PLAIN PART												
Weaving Apparatus	Z	1	5									A	1
Needle Selection	1	2	3	4	5	6	7	8					
Reverse Knob	○												
Slide Dial	○												
Apparatus	4 sts, 12 row = 1 pattern												
Weaving Thread	○												
Dir. of L-Carriage	○												
Symbols of Stitch	1	2	3	4	5	6	7	8					



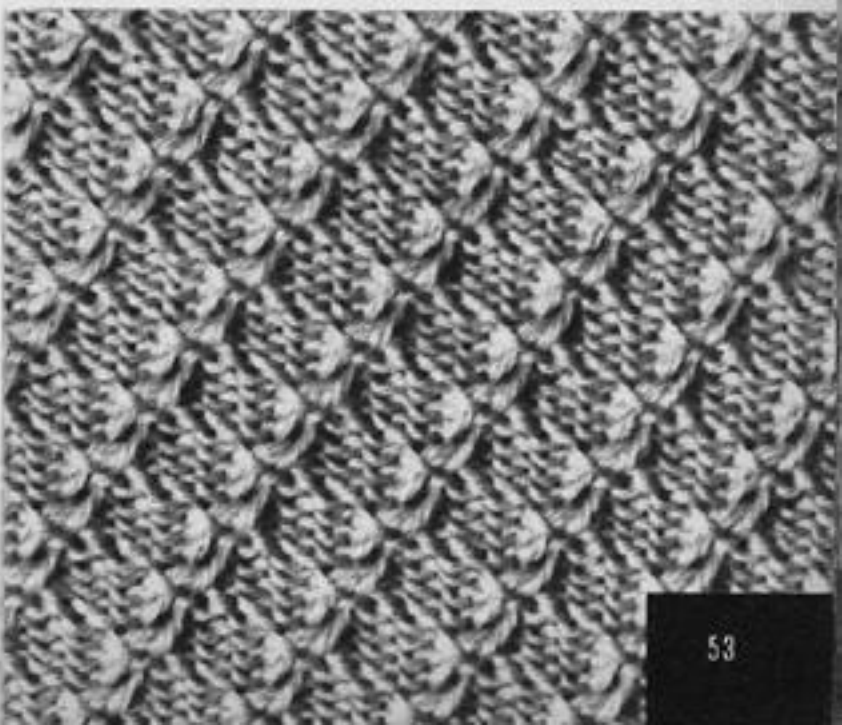
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Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←
Color	1	2	3	4	5	6	7	8	9	10	11	12
Tension Dial	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11
Carriage	TUCK PLAIN PART											
Weaving Apparatus	Z	1									A	1
Needle Selection	1	2	3	4	5	6	7	8				
Reverse Knob	○											
Slide Dial	○											
Apparatus	8 sts, 24 row = 1 pattern											
Weaving Thread	○											
Dir. of L-Carriage	○											
Symbols of Stitch	1	2	3	4	5	6	7	8				



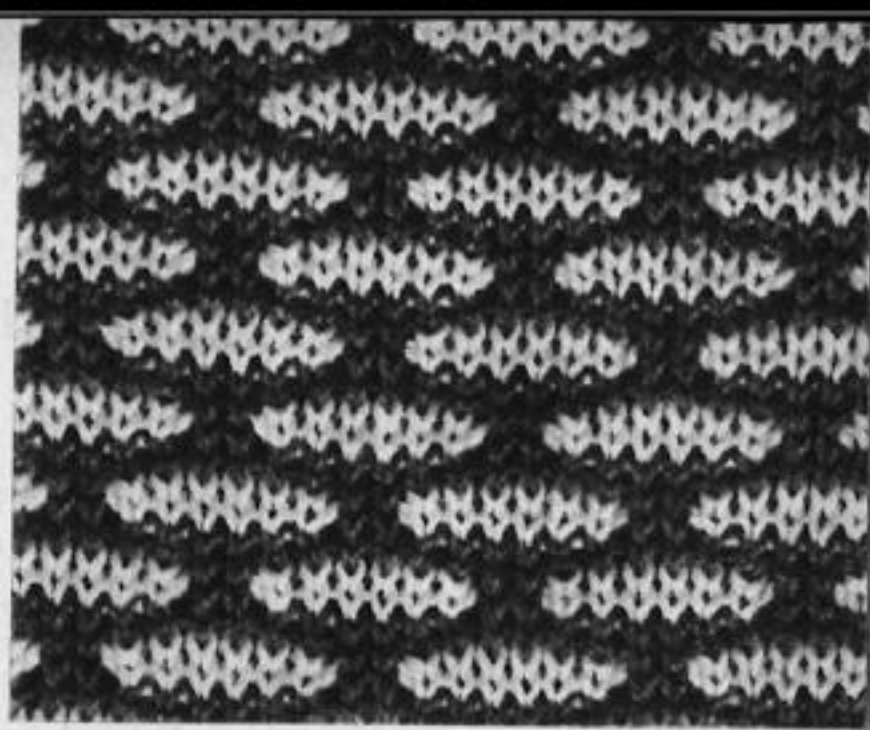
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Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←	
Color	1	2	3	4	5	6	7	8	9	10	11	12	
Tension Dial	0	1	2	3	4	5	6	7	8	9	10	11	
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11	
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11	
Carriage	TUCK PLAIN PART												
Weaving Apparatus	Z	1	3	5								A	1
Needle Selection	1	2	3	4	5	6	7	8					
Reverse Knob	○												
Slide Dial	○												
Apparatus	8 sts, 12 row = 1 pattern												
Weaving Thread	○												
Dir. of L-Carriage	○												
Symbols of Stitch	1	2	3	4	5	6	7	8					



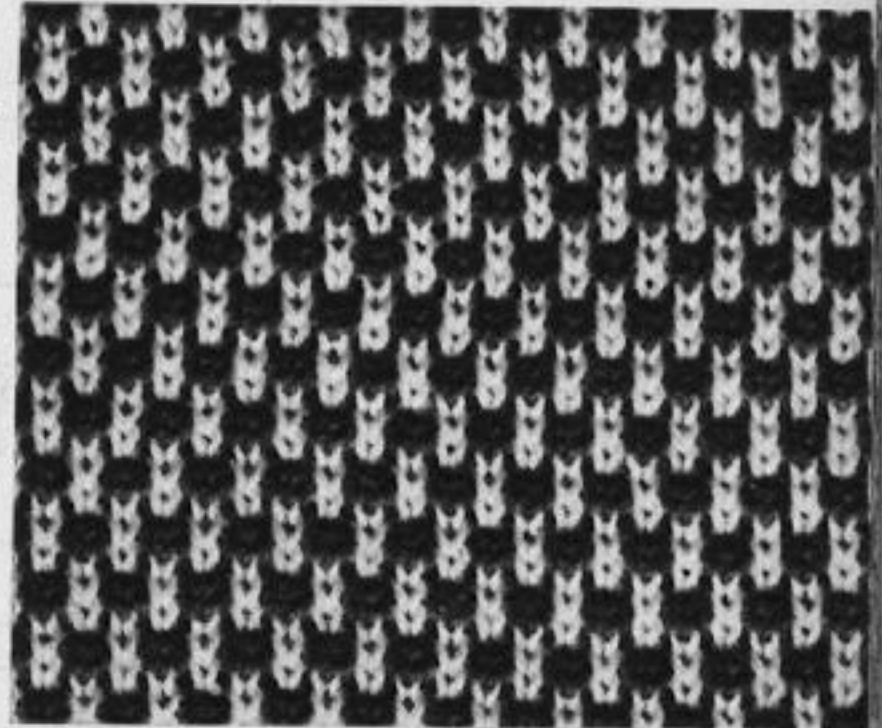
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Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Tension Dial	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Carriage	TUCK PLAIN PART															
Weaving Apparatus	Z	1	5												A	1
Needle Selection	1	2	3	4	5	6	7	8								
Reverse Knob	○															
Slide Dial	○															
Apparatus	4 sts, 16 row = 1 pattern															
Weaving Thread	○															
Dir. of L-Carriage	○															
Symbols of Stitch	1	2	3	4	5	6	7	8								



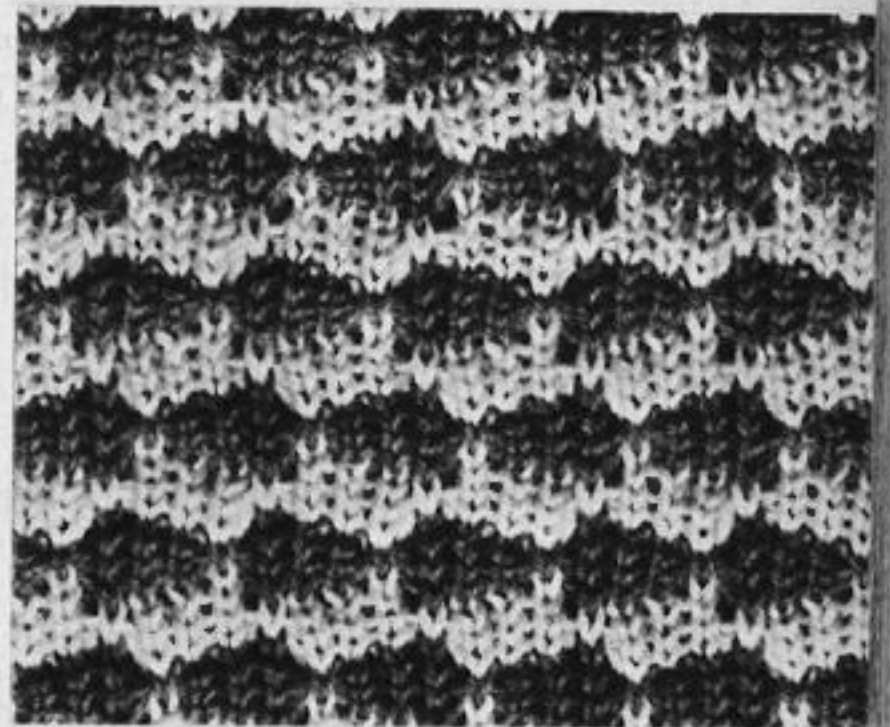
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Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L
Color	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Tension Dial	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carriage	TUCK PLAIN PART																			
Weaving Apparatus	1	2																		
Needle Selection	1	2	3	4	5	6	7	8												
Reverse Knob																				
Slide Dial																				
Apparatus																				
Weaving Thread																				
Dir. of L-Carriage																				
Symbols of Stitch	1	2	3	4	5	6	7	8												



Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L
Color	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Tension Dial	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carriage	TUCK PLAIN PART																			
Weaving Apparatus	1	3	5	7																
Needle Selection	1	2	3	4	5	6	7	8												
Reverse Knob																				
Slide Dial																				
Apparatus																				
Weaving Thread																				
Dir. of L-Carriage																				
Symbols of Stitch	1	2	3	4	5	6	7	8												



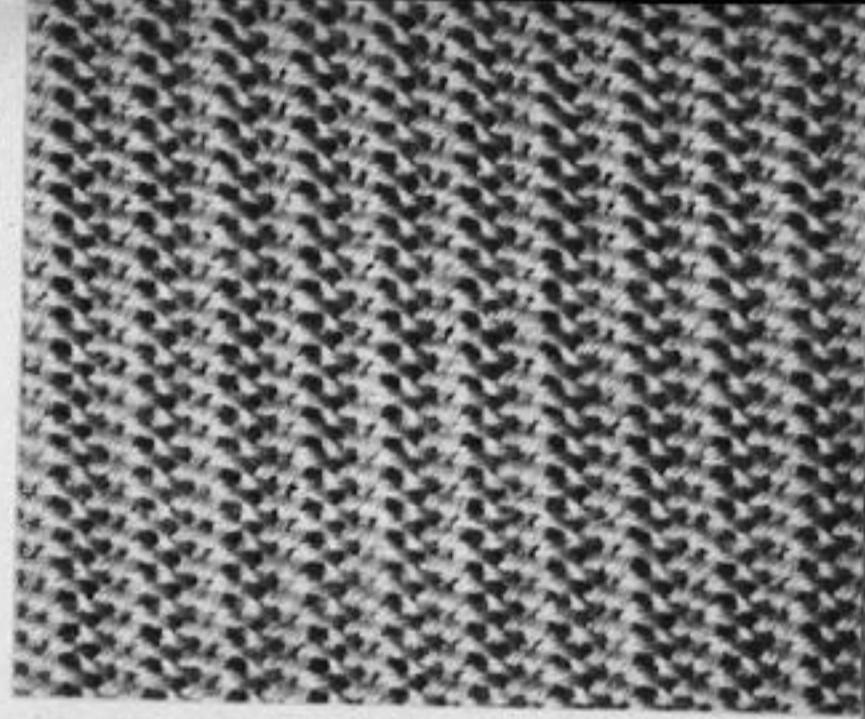
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Color	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Tension Dial	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carriage	TUCK PLAIN PART																			
Weaving Apparatus	1	5																		
Needle Selection	1	2	3	4	5	6	7	8												
Reverse Knob																				
Slide Dial																				
Apparatus																				
Weaving Thread																				
Dir. of L-Carriage																				
Symbols of Stitch	1	2	3	4	5	6	7	8												



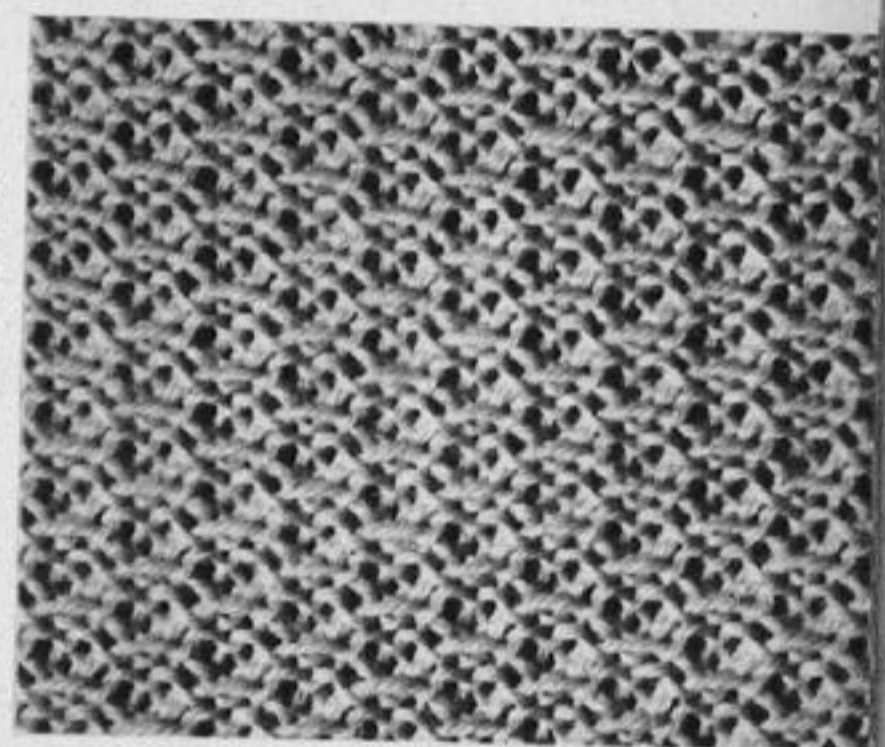
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Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L
Color	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Tension Dial	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carriage	TUCK PLAIN PART																			
Weaving Apparatus	1	3	5																	
Needle Selection	1	2	3	4	5	6	7	8												
Reverse Knob																				
Slide Dial																				
Apparatus																				
Weaving Thread																				
Dir. of L-Carriage																				
Symbols of Stitch	1	2	3	4	5	6	7	8												



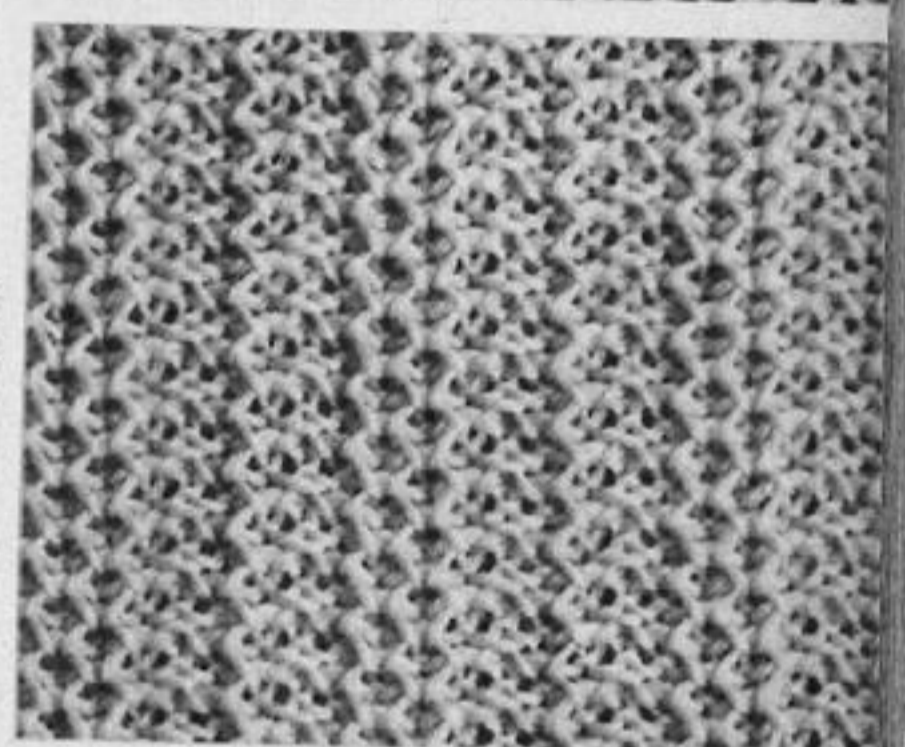
Steps	1	2	3	4	5	6	7	8	9	10	11	12
Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←
Color	2	5	1									
Tension Dial												
H. C. L. Left												
H. C. L. Right												
Carriage	TUCK PLAIN PART											
Weaving Apparatus												
Needle Selection	1	2	3	4	5	6	7	8				
Reverse Knob												
Slide Dial												
Apparatus	2 sts, 2 row=1 pattern											
Weaving Thread												
Dir. of L-Carriage												
Symbols of Stitch	1	2	3	4	5	6	7	8				



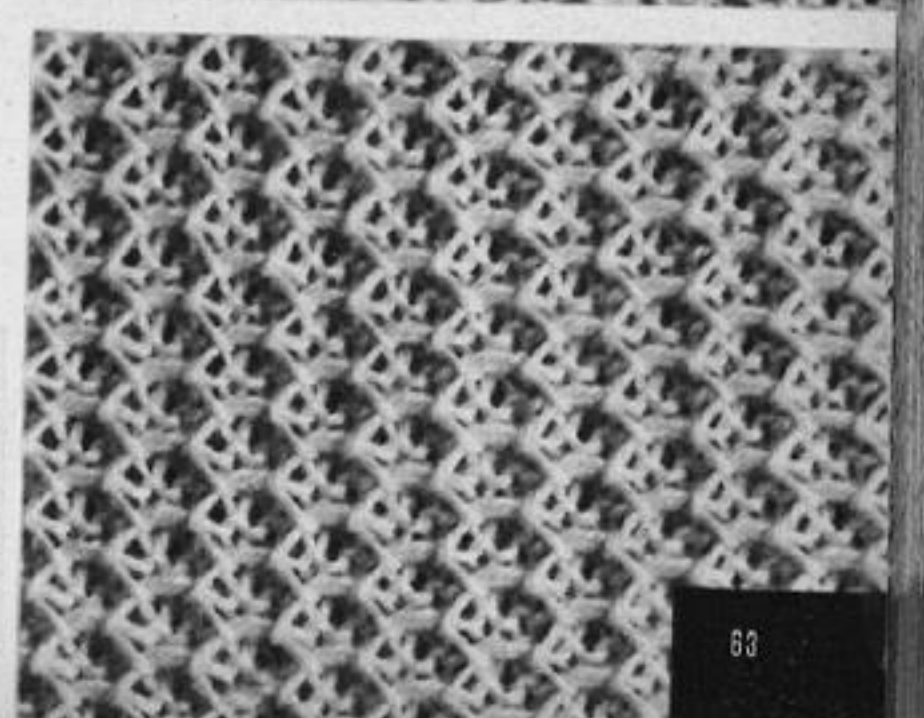
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Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←
Color	2	5	1									
Tension Dial												
H. C. L. Left												
H. C. L. Right												
Carriage	TUCK PLAIN PART											
Weaving Apparatus												
Needle Selection	1	2	3	4	5	6	7	8				
Reverse Knob												
Slide Dial												
Apparatus	4 sts, 4 row=1 pattern											
Weaving Thread												
Dir. of L-Carriage												
Symbols of Stitch	1	2	3	4	5	6	7	8				



Steps	1	2	3	4	5	6	7	8	9	10	11	12
Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←
Color	2	5	1									
Tension Dial												
H. C. L. Left												
H. C. L. Right												
Carriage	TUCK PLAIN PART											
Weaving Apparatus												
Needle Selection	1	2	3	4	5	6	7	8				
Reverse Knob												
Slide Dial												
Apparatus	8 sts, 4 row=1 pattern											
Weaving Thread												
Dir. of L-Carriage												
Symbols of Stitch	1	2	3	4	5	6	7	8				



Steps	1	2	3	4	5	6	7	8	9	10	11	12
Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←
Color	2	5	1									
Tension Dial												
H. C. L. Left												
H. C. L. Right												
Carriage	TUCK PLAIN PART											
Weaving Apparatus												
Needle Selection	1	2	3	4	5	6	7	8				
Reverse Knob												
Slide Dial												
Apparatus	4 sts, 4 row=1 pattern											
Weaving Thread												
Dir. of L-Carriage												
Symbols of Stitch	1	2	3	4	5	6	7	8				



Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H. C. L. Left	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H. C. L. Right	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Needle Selection	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Reverse Knob	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Slide Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
4 sts, 8 row=1 pattern																		
Weaving Thread																		
Dir. of L-Carriage																		

Carriage

TUCK PLAIN PART

1 2 3 4 5 6 7 8

Needle Selection

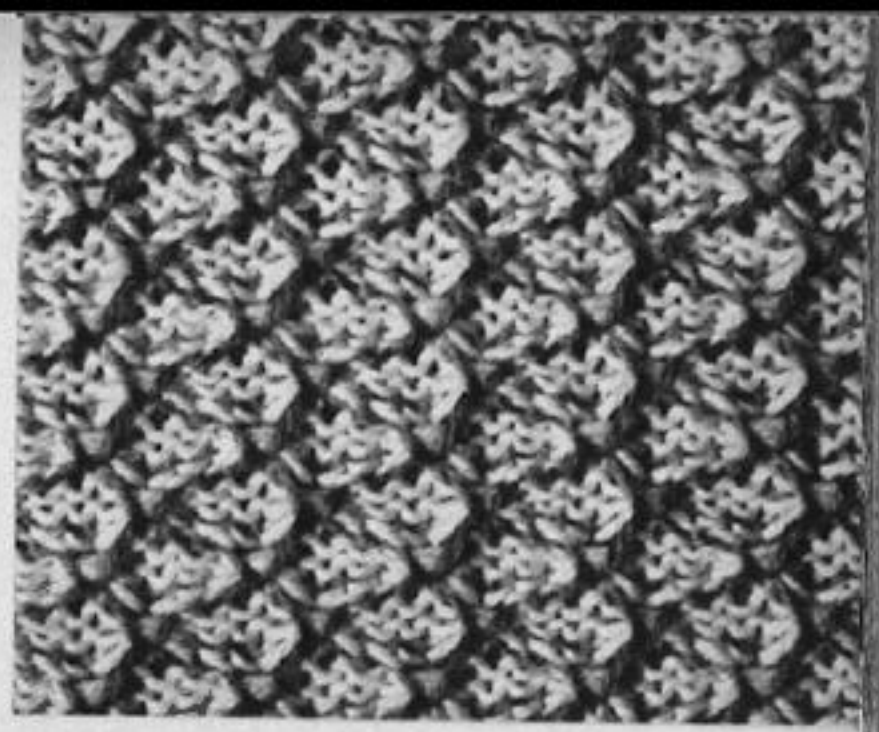
Reverse Knob

Slide Dial

Apparatus

1 2 3 4 5 6 7 8

Symbols of Stitch



Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H. C. L. Left	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H. C. L. Right	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Needle Selection	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Reverse Knob	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Slide Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2 sts, 4 row=1 pattern																		
Weaving Thread																		
Dir. of L-Carriage																		

Carriage

TUCK PLAIN PART

1 2 3 4 5 6 7 8

Needle Selection

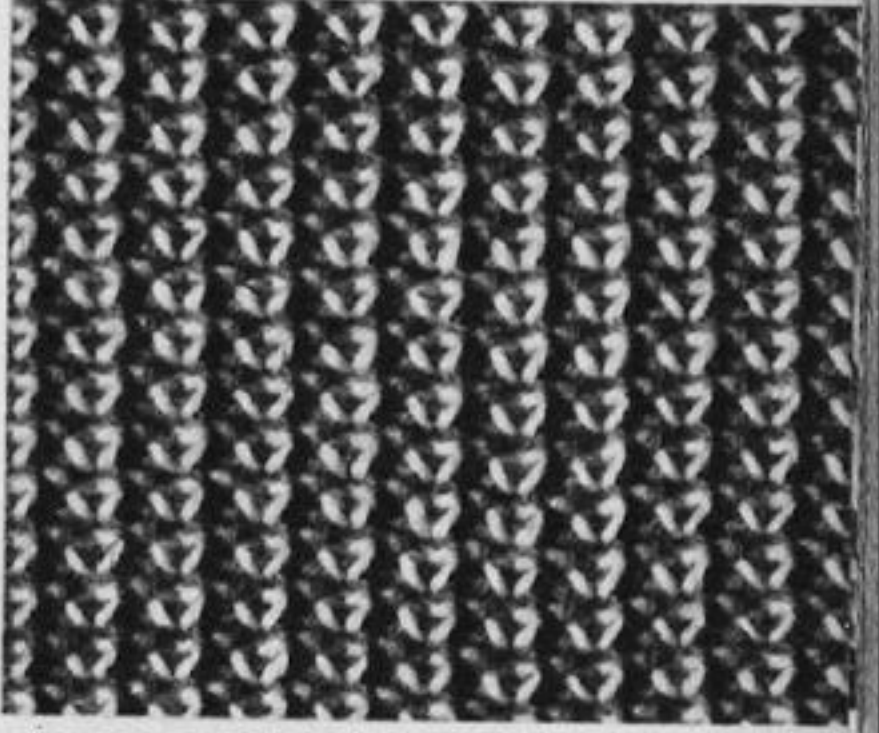
Reverse Knob

Slide Dial

Apparatus

1 2 3 4 5 6 7 8

Symbols of Stitch



Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H. C. L. Left	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H. C. L. Right	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Needle Selection	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Reverse Knob	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Slide Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
8 sts, 8 row=1 pattern																		
Weaving Thread																		
Dir. of L-Carriage																		

Carriage

TUCK PLAIN PART

1 2 3 4 5 6 7 8

Needle Selection

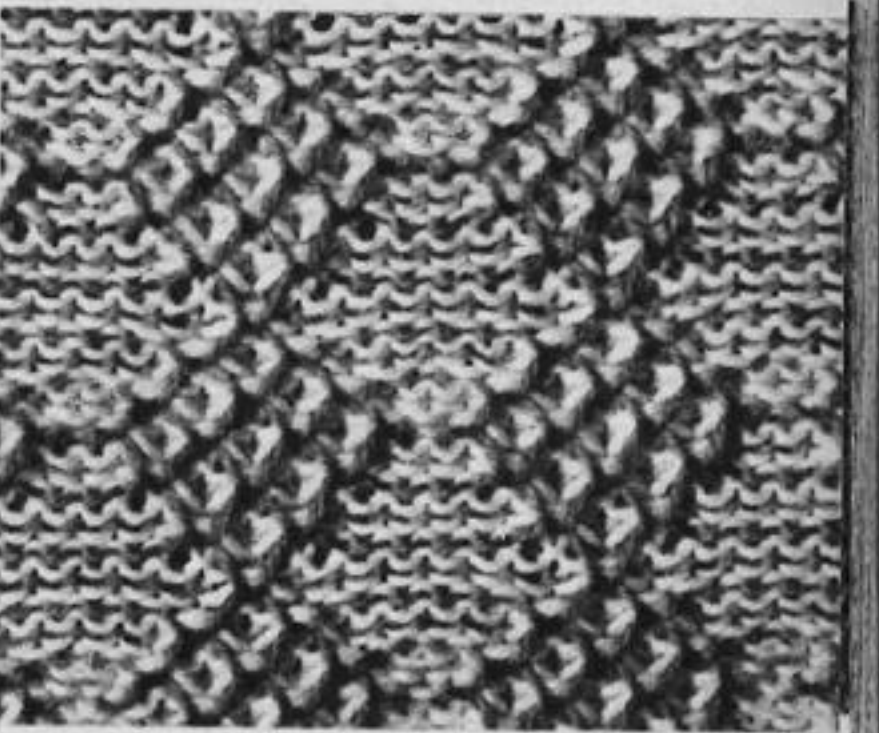
Reverse Knob

Slide Dial

Apparatus

1 2 3 4 5 6 7 8

Symbols of Stitch



Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H. C. L. Left	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H. C. L. Right	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Needle Selection	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Reverse Knob	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Slide Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2 sts, 4 row=1 pattern																		
Weaving Thread																		
Dir. of L-Carriage																		

Carriage

TUCK PLAIN PART

1 2 3 4 5 6 7 8

Needle Selection

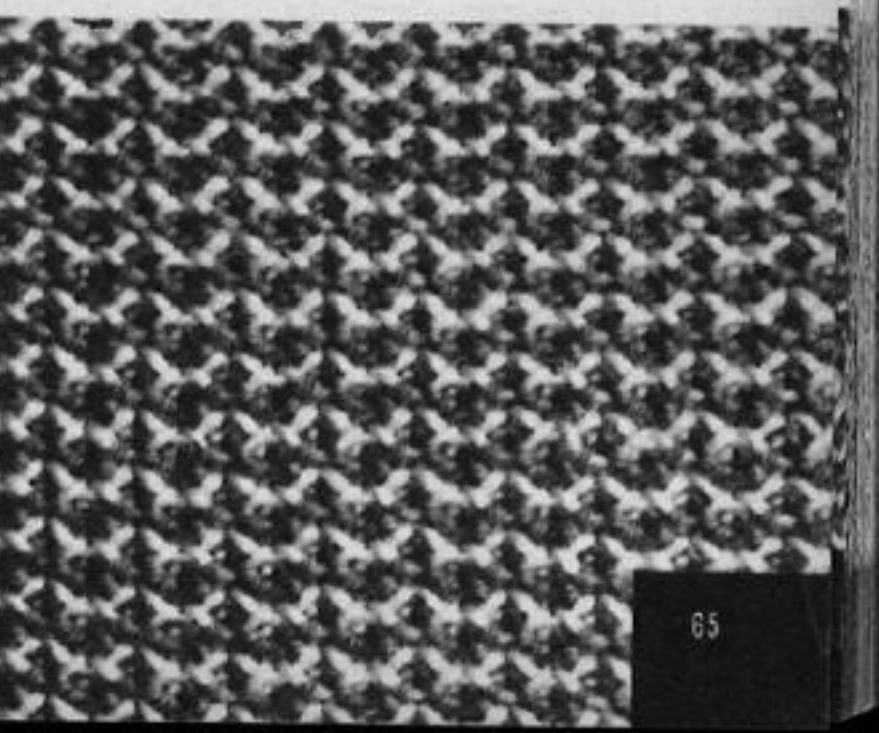
Reverse Knob

Slide Dial

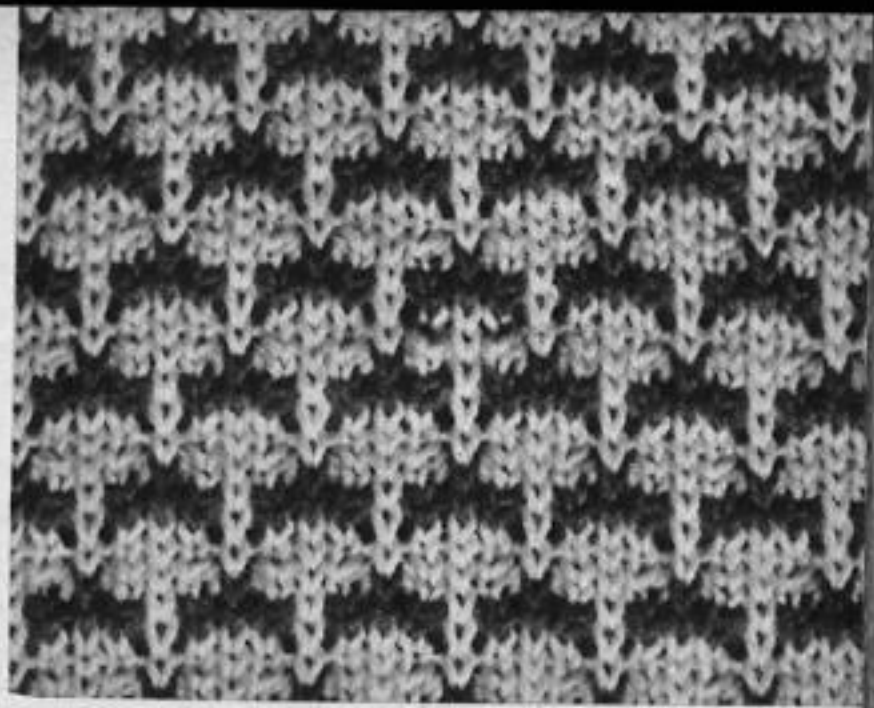
Apparatus

1 2 3 4 5 6 7 8

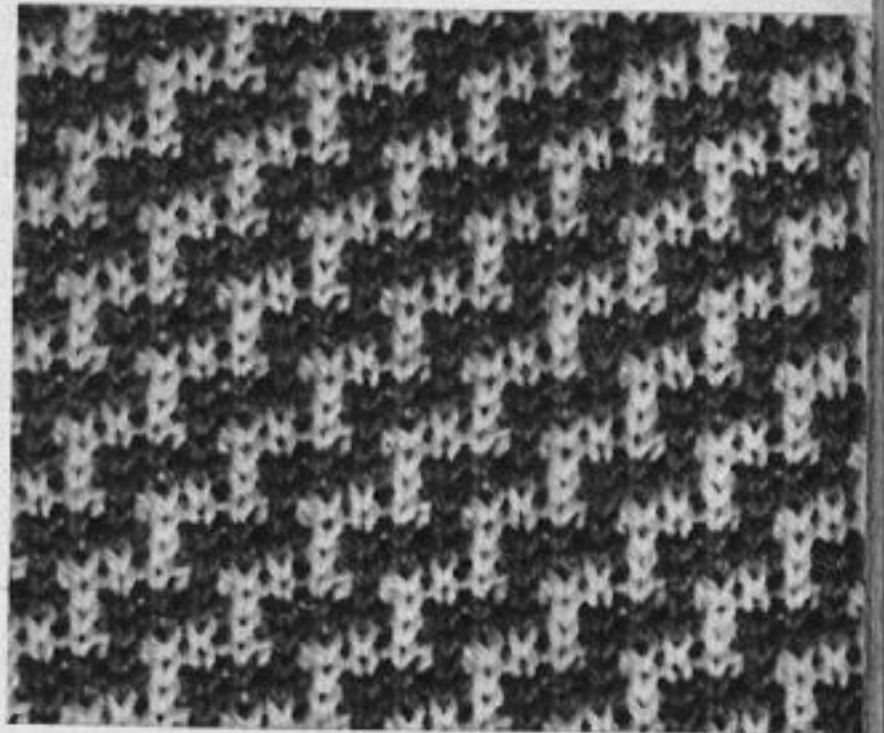
Symbols of Stitch



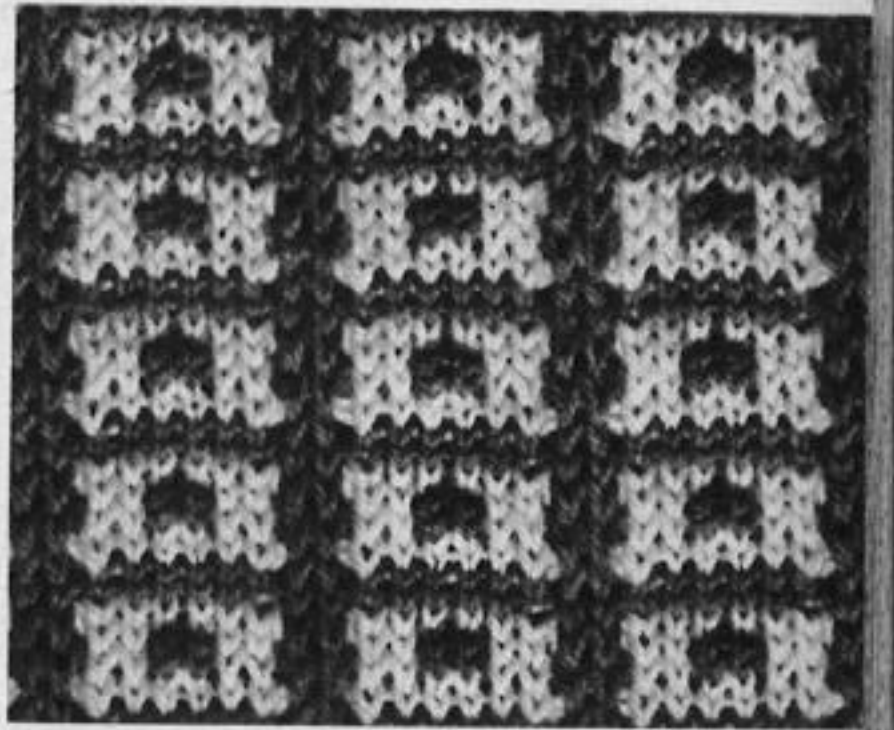
Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←		
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Tension Dial	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
H. C. L. Left	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
H. C. L. Right	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Carriage	TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART					
Weaving Apparatus	Z	1	2	3	4	5	6	7	8	Z	1	2	3	4	5	6	7	8
Needle Selection	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Reverse Knob	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Slide Dial	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Apparatus																		
Weaving Thread																		
Dir. of L-Carriage																		
Symbols of Stitch																		
4 sts, 12 row = 1 pattern																		



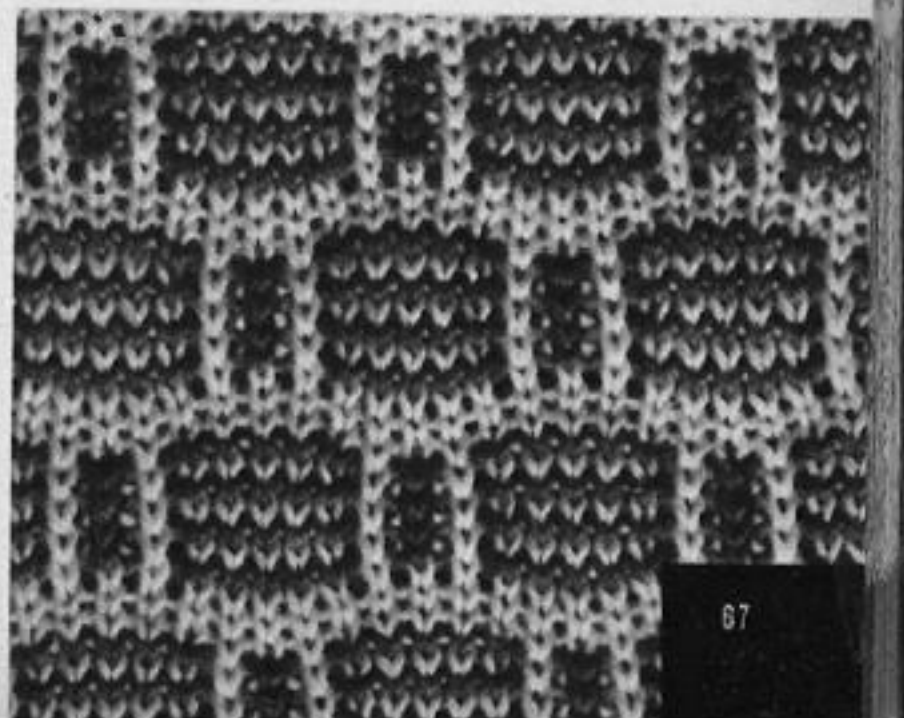
Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←		
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Tension Dial	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
H. C. L. Left	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
H. C. L. Right	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Carriage	TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART					
Weaving Apparatus	Z	1	2	3	4	5	6	7	8	Z	1	2	3	4	5	6	7	8
Needle Selection	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Reverse Knob	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Slide Dial	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Apparatus																		
Weaving Thread																		
Dir. of L-Carriage																		
Symbols of Stitch																		
4 sts, 8 row = 1 pattern																		



Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←		
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Tension Dial	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
H. C. L. Left	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
H. C. L. Right	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Carriage	TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART					
Weaving Apparatus	Z	1	2	3	4	5	6	7	8	Z	1	2	3	4	5	6	7	8
Needle Selection	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Reverse Knob	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Slide Dial	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Apparatus																		
Weaving Thread																		
Dir. of L-Carriage																		
Symbols of Stitch																		
8 sts, 8 row = 1 pattern																		



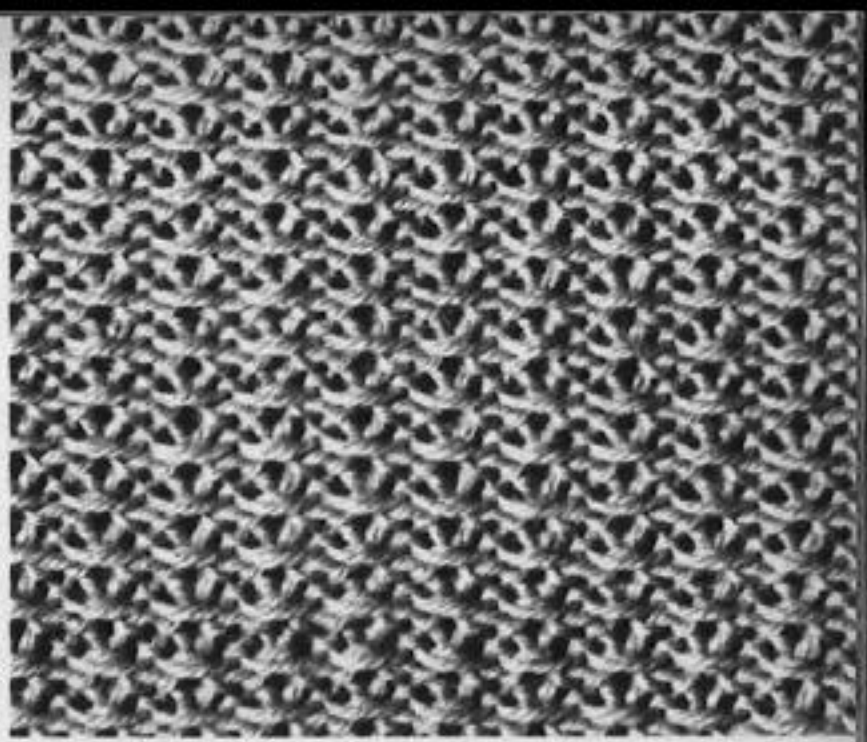
Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←		
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Tension Dial	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
H. C. L. Left	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
H. C. L. Right	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Carriage	TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART			TUCK PLAIN PART					
Weaving Apparatus	Z	1	2	3	4	5	6	7	8	Z	1	2	3	4	5	6	7	8
Needle Selection	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Reverse Knob	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Slide Dial	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Apparatus																		
Weaving Thread																		
Dir. of L-Carriage																		
Symbols of Stitch																		
4 sts, 8 row = 1 pattern																		



Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage
1-16	→	1	1	1	1	1	1	1	1	1	1	1
17-32	←	2	1	1	1	1	1	1	1	1	1	1
33-48	→	1	1	1	1	1	1	1	1	1	1	1
49-64	←	2	1	1	1	1	1	1	1	1	1	1
65-80	→	1	1	1	1	1	1	1	1	1	1	1
81-96	←	2	1	1	1	1	1	1	1	1	1	1
97-112	→	1	1	1	1	1	1	1	1	1	1	1
113-128	←	2	1	1	1	1	1	1	1	1	1	1
129-144	→	1	1	1	1	1	1	1	1	1	1	1
145-160	←	2	1	1	1	1	1	1	1	1	1	1
161-176	→	1	1	1	1	1	1	1	1	1	1	1
177-192	←	2	1	1	1	1	1	1	1	1	1	1
193-208	→	1	1	1	1	1	1	1	1	1	1	1
209-224	←	2	1	1	1	1	1	1	1	1	1	1
225-240	→	1	1	1	1	1	1	1	1	1	1	1
241-256	←	2	1	1	1	1	1	1	1	1	1	1
257-272	→	1	1	1	1	1	1	1	1	1	1	1
273-288	←	2	1	1	1	1	1	1	1	1	1	1
289-304	→	1	1	1	1	1	1	1	1	1	1	1
305-320	←	2	1	1	1	1	1	1	1	1	1	1
321-336	→	1	1	1	1	1	1	1	1	1	1	1
337-352	←	2	1	1	1	1	1	1	1	1	1	1
353-368	→	1	1	1	1	1	1	1	1	1	1	1
369-384	←	2	1	1	1	1	1	1	1	1	1	1
385-400	→	1	1	1	1	1	1	1	1	1	1	1
401-416	←	2	1	1	1	1	1	1	1	1	1	1
417-432	→	1	1	1	1	1	1	1	1	1	1	1
433-448	←	2	1	1	1	1	1	1	1	1	1	1
449-464	→	1	1	1	1	1	1	1	1	1	1	1
465-480	←	2	1	1	1	1	1	1	1	1	1	1
481-496	→	1	1	1	1	1	1	1	1	1	1	1
497-512	←	2	1	1	1	1	1	1	1	1	1	1
513-528	→	1	1	1	1	1	1	1	1	1	1	1
529-544	←	2	1	1	1	1	1	1	1	1	1	1
545-560	→	1	1	1	1	1	1	1	1	1	1	1
561-576	←	2	1	1	1	1	1	1	1	1	1	1
577-592	→	1	1	1	1	1	1	1	1	1	1	1
593-608	←	2	1	1	1	1	1	1	1	1	1	1
609-624	→	1	1	1	1	1	1	1	1	1	1	1
625-640	←	2	1	1	1	1	1	1	1	1	1	1
641-656	→	1	1	1	1	1	1	1	1	1	1	1
657-672	←	2	1	1	1	1	1	1	1	1	1	1
673-688	→	1	1	1	1	1	1	1	1	1	1	1
689-704	←	2	1	1	1	1	1	1	1	1	1	1
705-720	→	1	1	1	1	1	1	1	1	1	1	1
721-736	←	2	1	1	1	1	1	1	1	1	1	1
737-752	→	1	1	1	1	1	1	1	1	1	1	1
753-768	←	2	1	1	1	1	1	1	1	1	1	1
769-784	→	1	1	1	1	1	1	1	1	1	1	1
785-800	←	2	1	1	1	1	1	1	1	1	1	1
801-816	→	1	1	1	1	1	1	1	1	1	1	1
817-832	←	2	1	1	1	1	1	1	1	1	1	1
833-848	→	1	1	1	1	1	1	1	1	1	1	1
849-864	←	2	1	1	1	1	1	1	1	1	1	1
865-880	→	1	1	1	1	1	1	1	1	1	1	1
881-896	←	2	1	1	1	1	1	1	1	1	1	1
897-912	→	1	1	1	1	1	1	1	1	1	1	1
913-928	←	2	1	1	1	1	1	1	1	1	1	1
929-944	→	1	1	1	1	1	1	1	1	1	1	1
945-960	←	2	1	1	1	1	1	1	1	1	1	1
961-976	→	1	1	1	1	1	1	1	1	1	1	1
977-992	←	2	1	1	1	1	1	1	1	1	1	1
993-1008	→	1	1	1	1	1	1	1	1	1	1	1

Apparatus: 2 sts, 6 row = 1 pattern

Symbols of Stitch: 1-8



Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage
1-16	→	1	1	1	1	1	1	1	1	1	1	1
17-32	←	2	1	1	1	1	1	1	1	1	1	1
33-48	→	1	1	1	1	1	1	1	1	1	1	1
49-64	←	2	1	1	1	1	1	1	1	1	1	1
65-80	→	1	1	1	1	1	1	1	1	1	1	1
81-96	←	2	1	1	1	1	1	1	1	1	1	1
97-112	→	1	1	1	1	1	1	1	1	1	1	1
113-128	←	2	1	1	1	1	1	1	1	1	1	1
129-144	→	1	1	1	1	1	1	1	1	1	1	1
145-160	←	2	1	1	1	1	1	1	1	1	1	1
161-176	→	1	1	1	1	1	1	1	1	1	1	1
177-192	←	2	1	1	1	1	1	1	1	1	1	1
193-208	→	1	1	1	1	1	1	1	1	1	1	1
209-224	←	2	1	1	1	1	1	1	1	1	1	1
225-240	→	1	1	1	1	1	1	1	1	1	1	1
241-256	←	2	1	1	1	1	1	1	1	1	1	1
257-272	→	1	1	1	1	1	1	1	1	1	1	1
273-288	←	2	1	1	1	1	1	1	1	1	1	1
289-304	→	1	1	1	1	1	1	1	1	1	1	1
305-320	←	2	1	1	1	1	1	1	1	1	1	1
321-336	→	1	1	1	1	1	1	1	1	1	1	1
337-352	←	2	1	1	1	1	1	1	1	1	1	1
353-368	→	1	1	1	1	1	1	1	1	1	1	1
369-384	←	2	1	1	1	1	1	1	1	1	1	1
385-400	→	1	1	1	1	1	1	1	1	1	1	1
401-416	←	2	1	1	1	1	1	1	1	1	1	1
417-432	→	1	1	1	1	1	1	1	1	1	1	1
433-448	←	2	1	1	1	1	1	1	1	1	1	1
449-464	→	1	1	1	1	1	1	1	1	1	1	1
465-480	←	2	1	1	1	1	1	1	1	1	1	1
481-496	→	1	1	1	1	1	1	1	1	1	1	1
497-512	←	2	1	1	1	1	1	1	1	1	1	1
513-528	→	1	1	1	1	1	1	1	1	1	1	1
529-544	←	2	1	1	1	1	1	1	1	1	1	1
545-560	→	1	1	1	1	1	1	1	1	1	1	1
561-576	←	2	1	1	1	1	1	1	1	1	1	1
577-592	→	1	1	1	1	1	1	1	1	1	1	1
593-608	←	2	1	1	1	1	1	1	1	1	1	1
609-624	→	1	1	1	1	1	1	1	1	1	1	1
625-640	←	2	1	1	1	1	1	1	1	1	1	1
641-656	→	1	1	1	1	1	1	1	1	1	1	1
657-672	←	2	1	1	1	1	1	1	1	1	1	1
673-688	→	1	1	1	1	1	1	1	1	1	1	1
689-704	←	2	1	1	1	1	1	1	1	1	1	1
705-720	→	1	1	1	1	1	1	1	1	1	1	1
721-736	←	2	1	1	1	1	1	1	1	1	1	1
737-752	→	1	1	1	1	1	1	1	1	1	1	1
753-768	←	2	1	1	1	1	1	1	1	1	1	1
769-784	→	1	1	1	1	1	1	1	1	1	1	1
785-800	←	2	1	1	1	1	1	1	1	1	1	1
801-816	→	1	1	1	1	1	1	1	1	1	1	1
817-832	←	2	1	1								

FAIR ISLE PATTERNS

What are Fair Isle Patterns?

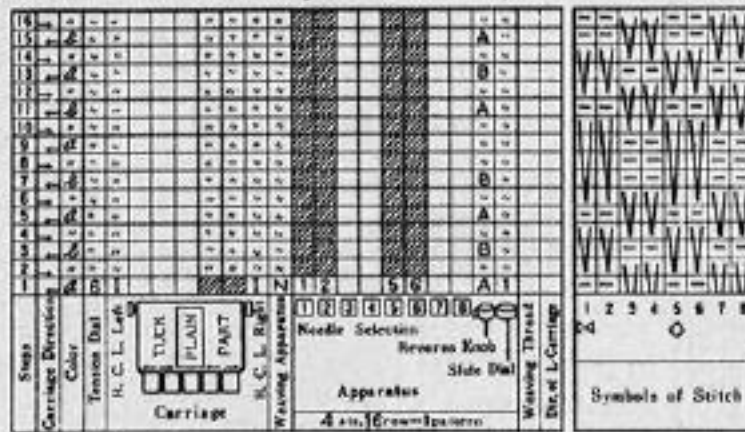
To work Fair Isles, only those needles which have been selected to E position knit, while the other needles which remain not selected do not knit.

Using "PART" buttons two types of pattern stitches can be worked. One is called Slip stitch patterns, on which the yarn slipped in front of the unknitted needles shows on the wrong side of the garment as a design. The other one is Fair Isles which are worked using two or more colors changing according to the selection of the needles.

Specialities of Fair Isles:

Using the pattern center, many kinds of Fair Isle patterns can be worked very easily. Usually, slip stitch patterns are used with the wrong side of the garment, and with Fair Isles the right side of the garment is used.

Both of these beautiful pattern stitches are very widely used.



How to work Fair Isles:

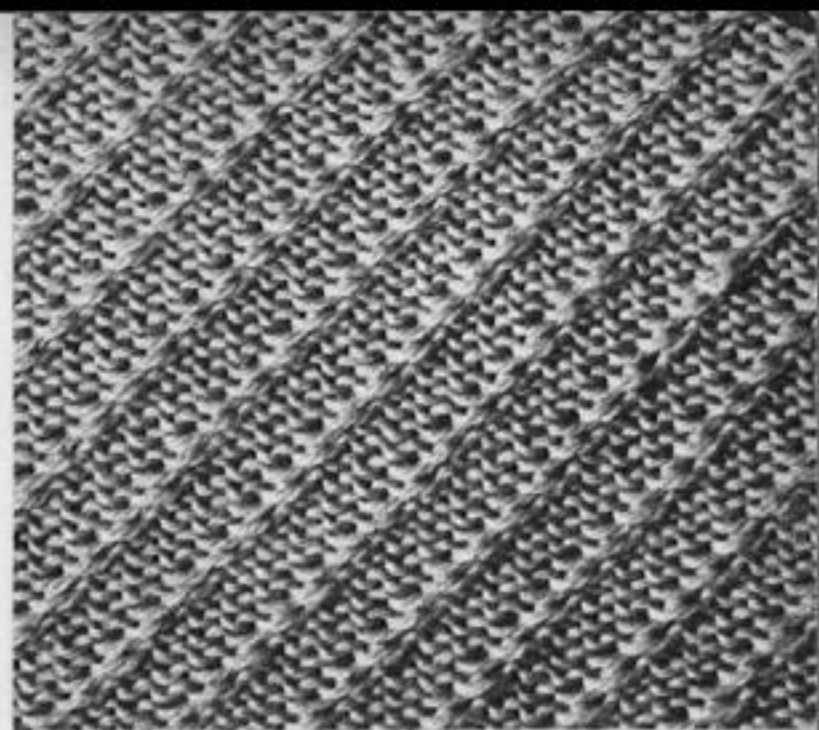
- Carriage**Place at the right side.
- Yarn in feeder**...Thread the feeder with the knitting yarn. (Colour a)
- Tension dial**.....Set at 6.
- Change lever** ...Set both, left and right to 1.
- Cam buttons** ...Depress both "PART" buttons at the same time.
- Thread knitting installation**.....Set both knobs and levers to N.
- Needle selection buttons**...Depress buttons 1, 2, 5 and 6.
- Reverse knob** ...Set to A.
- Slide dial**Set to 1.

Orders of operations:

1. Arrange the needles by the set lever, then operate the carriage from right to left.
 2. Arrange the needles again in the same condition and operate the carriage from left to right.
 3. Change the yarn to Colour "b". Set the Reverse knob to B. Then arrange the needles and operate the carriage from right to left.
 4. Arrange the needles in the same condition, operate the carriage from left to right.
 5. Replace the yarn with the original one. Set the Reverse knob at A. Then, arrange the needles and operate the carriage from right to left.
 6. Arrange the needles in the same condition and operate the carriage from left to right.
 7. Change the yarn to Colour "b", set the Reverse knob from A to B. Arrange the needles and operate the carriage from right to left.
 8. Arrange the needles in the same condition and operate the carriage from left to right.
 9. Replace the yarn with Colour "a", select the needles in the same manner and operate carriage from right to left.
 10. Arrange the needles in the same condition, then operate the carriage from left to right.
 11. Change the yarn to Colour "b", change the Reverse knob from B to A. Then, select the needles and run the carriage from right to left.
 12. Arrange the needles in the same condition and operate the carriage from left to right.
 13. Replace the yarn with Colour "a", change the Reverse knob from A to B. Arrange the needles and then, operate the carriage from right to left.
 14. Change the yarn to Colour "b". Operate the carriage from left to right.
 15. Replace the yarn with Colour "a". Change the Reverse knob from B to A. Arrange the needles and run the carriage from right to left.
 16. Arrange the needles in the same condition, and operate the carriage from left to right.
- ★ Repeat the steps from 1 to 16.

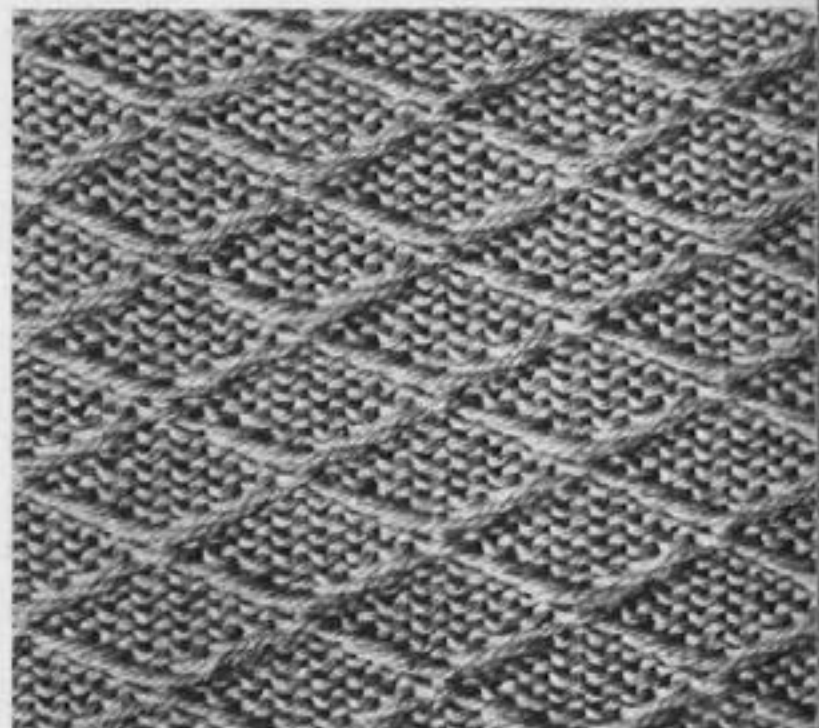
405

Steps	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L																
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
Tension Dial	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
Carriage																																
Apparatus	8 sts, 16 rows = 1 pattern																															
Dir. of L-Carriage	Weaving Thread																															
Symbols of Stitch	<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> <tr> <td>⊗</td><td></td><td></td><td></td><td>◇</td><td></td><td></td><td></td> </tr> </table>																1	2	3	4	5	6	7	8	⊗				◇			
1	2	3	4	5	6	7	8																									
⊗				◇																												



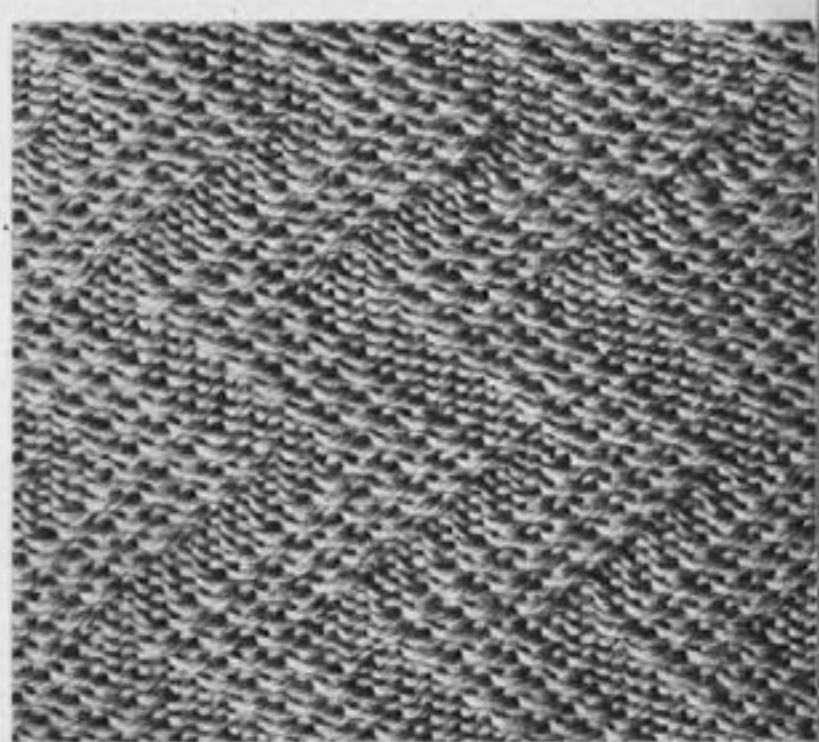
406

Steps	11	10	9	8	7	6	5	4	3	2	1																	
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R																	
Color	1	2	3	4	5	6	7	8	1	2	3																	
Tension Dial	1	2	3	4	5	6	7	8	1	2	3																	
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0																	
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0																	
Carriage																												
Apparatus	8 sts, 11 rows = 1 pattern																											
Dir. of L-Carriage	Weaving Thread																											
Symbols of Stitch	<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> <tr> <td>⊗</td><td></td><td></td><td></td><td>◇</td><td></td><td></td><td></td> </tr> </table>												1	2	3	4	5	6	7	8	⊗				◇			
1	2	3	4	5	6	7	8																					
⊗				◇																								



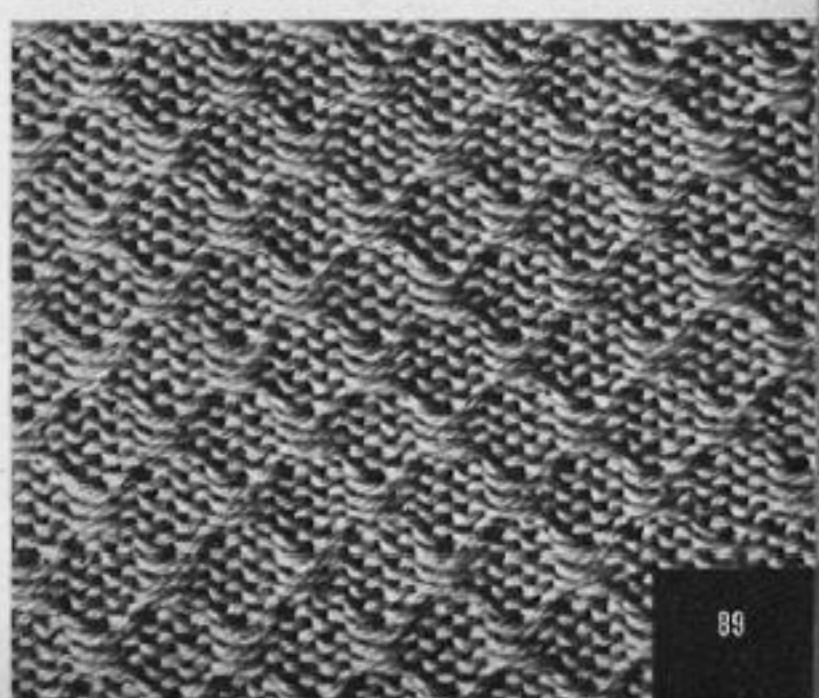
407

Steps	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L																
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4																
Tension Dial	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4																
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
Carriage																																												
Apparatus	8 sts, 28 rows = 1 pattern																																											
Dir. of L-Carriage	Weaving Thread																																											
Symbols of Stitch	<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> <tr> <td>⊗</td><td></td><td></td><td></td><td>◇</td><td></td><td></td><td></td> </tr> </table>																												1	2	3	4	5	6	7	8	⊗				◇			
1	2	3	4	5	6	7	8																																					
⊗				◇																																								

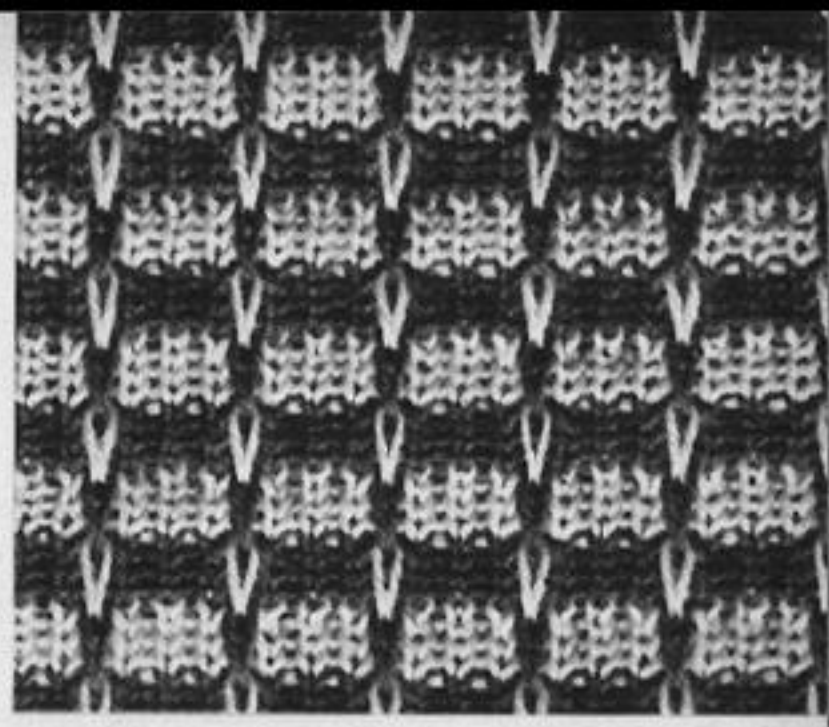


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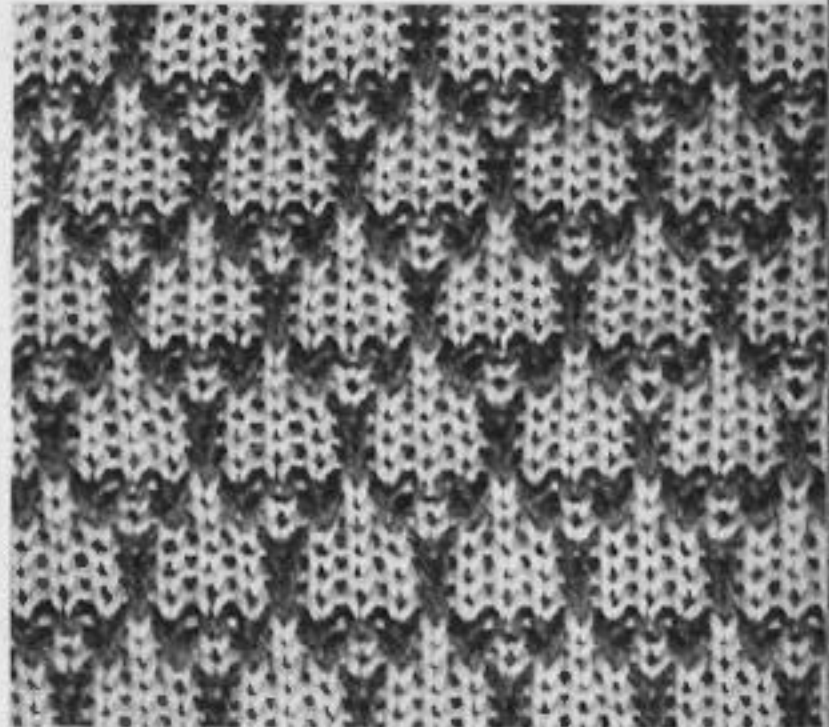
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Carriage Direction	R	L	R	L	R	L	R	L																
Color	1	2	3	4	5	6	7	8																
Tension Dial	1	2	3	4	5	6	7	8																
H. C. L. Left	0	0	0	0	0	0	0	0																
H. C. L. Right	0	0	0	0	0	0	0	0																
Carriage																								
Apparatus	4 sts, 8 rows = 1 pattern																							
Dir. of L-Carriage	Weaving Thread																							
Symbols of Stitch	<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> <tr> <td>⊗</td><td></td><td></td><td></td><td>◇</td><td></td><td></td><td></td> </tr> </table>								1	2	3	4	5	6	7	8	⊗				◇			
1	2	3	4	5	6	7	8																	
⊗				◇																				



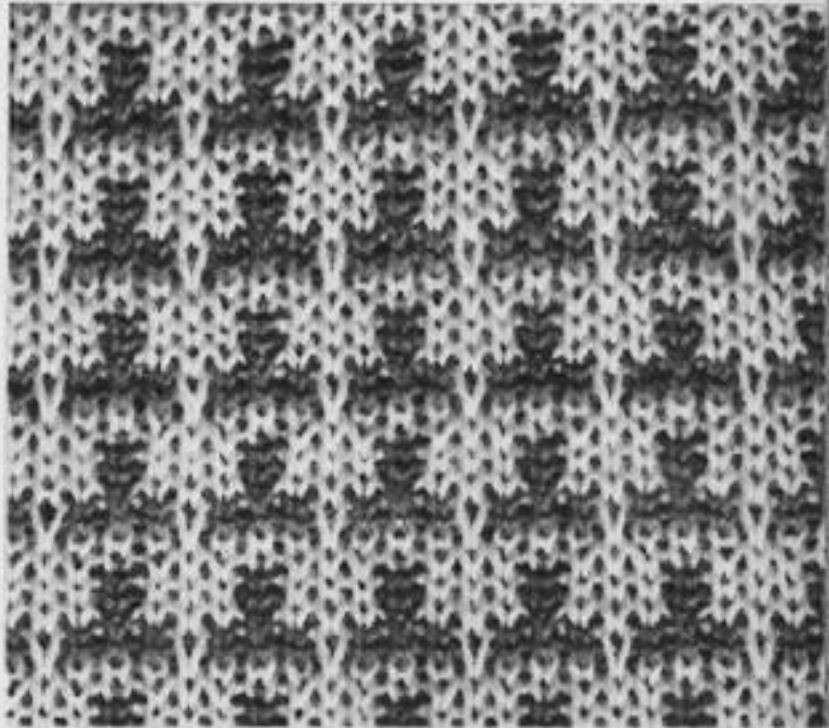
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Carriage Direction	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8
H. C. L. Left	0	1	2	3	4	5	6	7
H. C. L. Right	0	1	2	3	4	5	6	7
Carriage								
Weaving Apparatus	Z	1	2	3	4	5	6	7
Needle Selection	1	2	3	4	5	6	7	8
Reverse Knob								
Slide Dial								
Apparatus	4 sts, 8 row=1 pattern							
Weaving Thread								
Dir. of L. Carriage								
Symbols of Stitch								



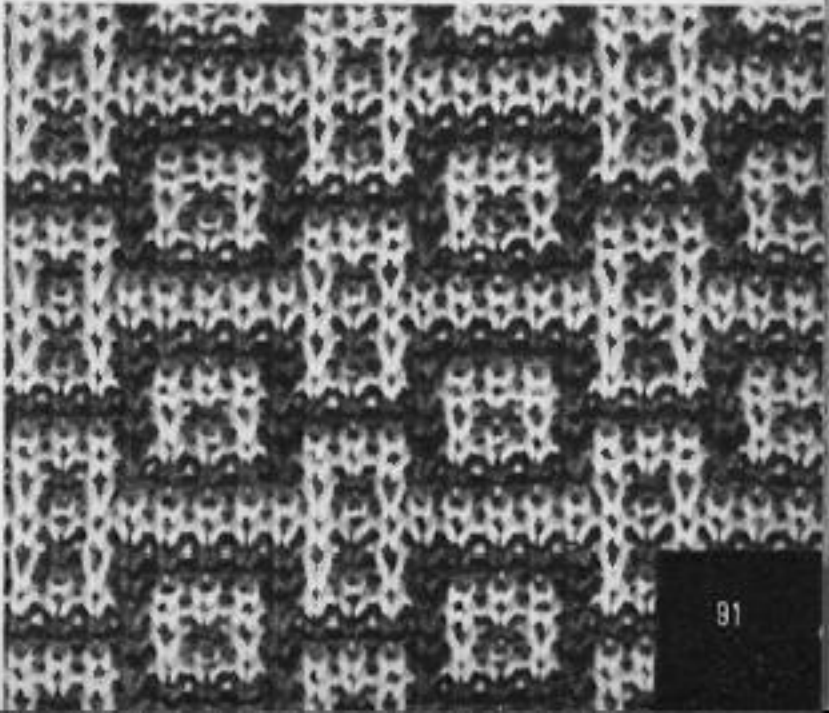
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Carriage Direction	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8
H. C. L. Left	0	1	2	3	4	5	6	7
H. C. L. Right	0	1	2	3	4	5	6	7
Carriage								
Weaving Apparatus	Z	1	2	3	4	5	6	7
Needle Selection	1	2	3	4	5	6	7	8
Reverse Knob								
Slide Dial								
Apparatus	4 sts, 16 row=1 pattern							
Weaving Thread								
Dir. of L. Carriage								
Symbols of Stitch								



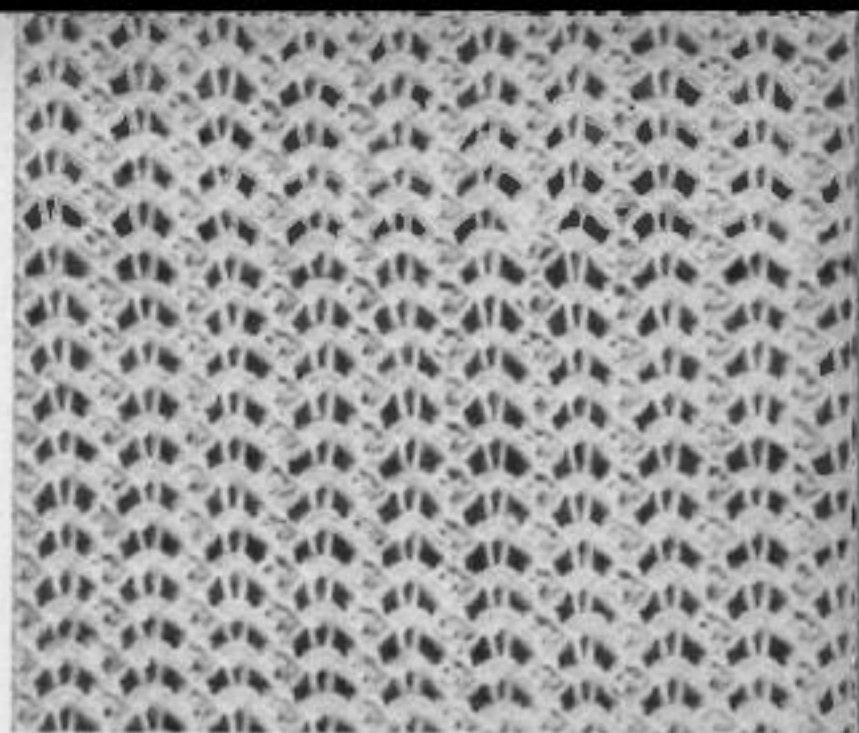
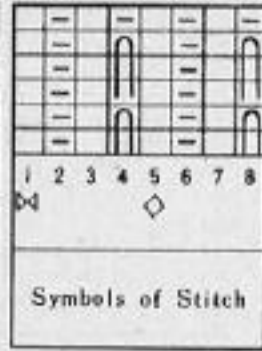
Steps	1	2	3	4	5	6	7	8
Carriage Direction	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8
H. C. L. Left	0	1	2	3	4	5	6	7
H. C. L. Right	0	1	2	3	4	5	6	7
Carriage								
Weaving Apparatus	Z	1	2	3	4	5	6	7
Needle Selection	1	2	3	4	5	6	7	8
Reverse Knob								
Slide Dial								
Apparatus	4 sts, 8 row=1 pattern							
Weaving Thread								
Dir. of L. Carriage								
Symbols of Stitch								



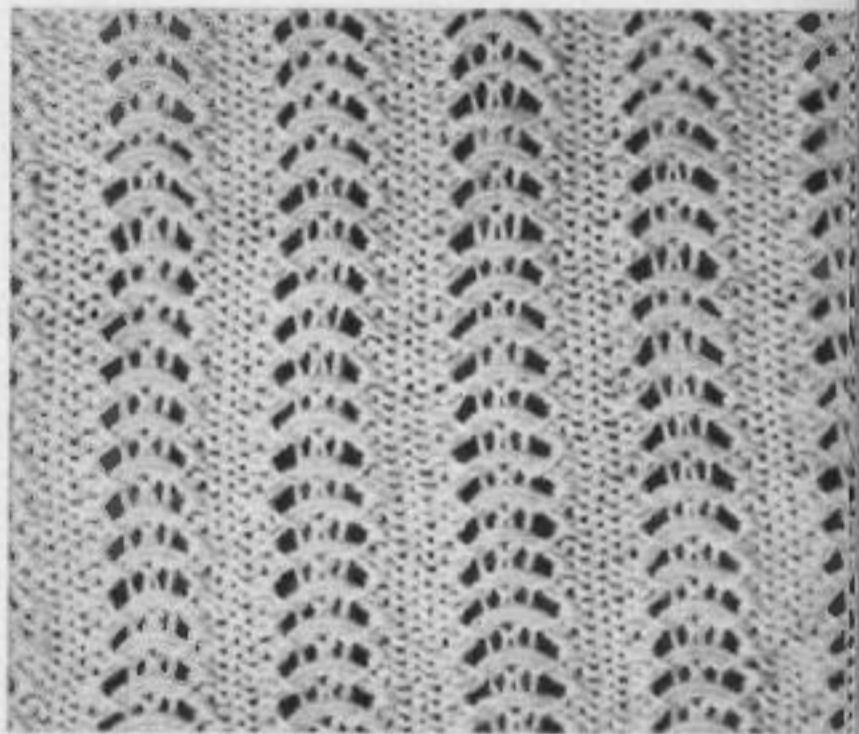
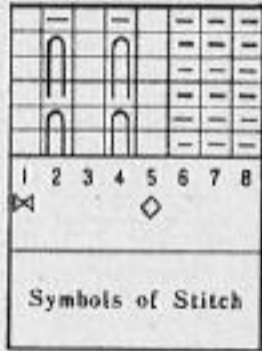
Steps	1	2	3	4	5	6	7	8
Carriage Direction	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8
H. C. L. Left	0	1	2	3	4	5	6	7
H. C. L. Right	0	1	2	3	4	5	6	7
Carriage								
Weaving Apparatus	Z	1	2	3	4	5	6	7
Needle Selection	1	2	3	4	5	6	7	8
Reverse Knob								
Slide Dial								
Apparatus	8 sts, 12 row=1 pattern							
Weaving Thread								
Dir. of L. Carriage								
Symbols of Stitch								



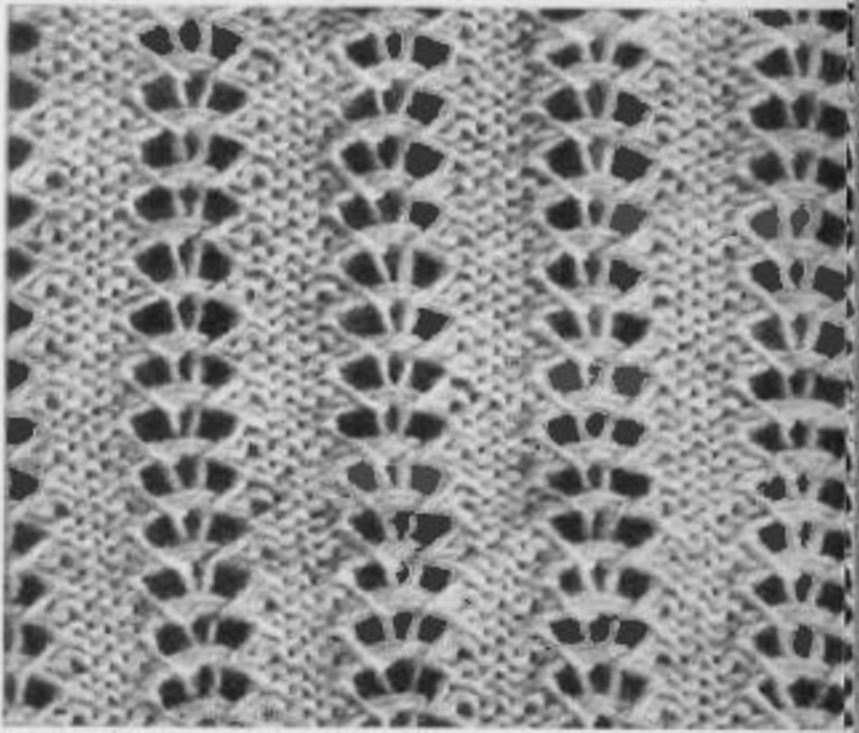
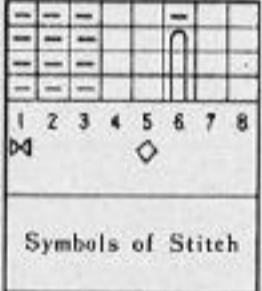
Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Carr. Dir.	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	2	5	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III
Tension Dial	H	C	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weaving Apparatus	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
Apparatus	1	2	3	4	5	6	7	8	8	A	1									
4 sts, 6 row=1 pattern																				



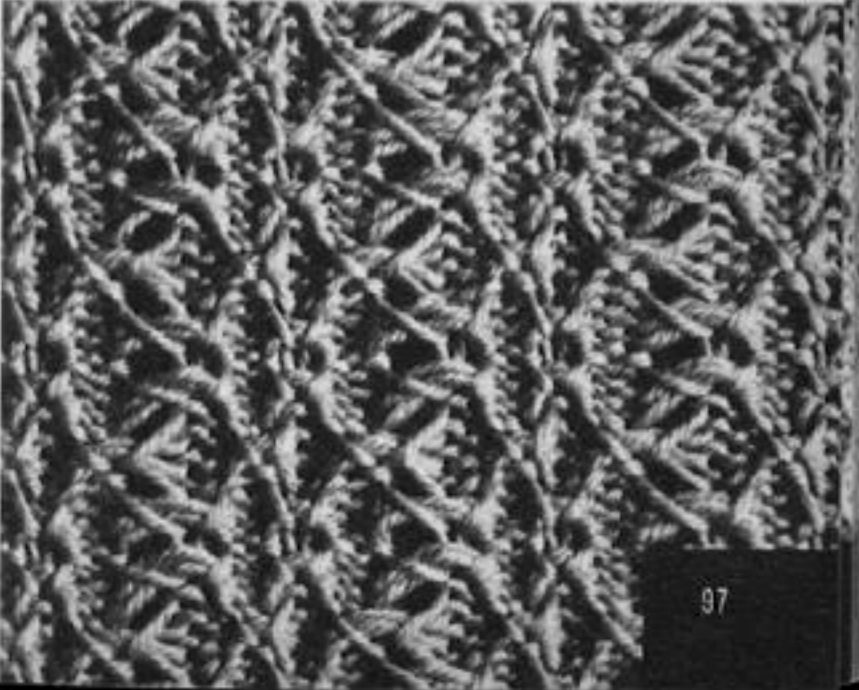
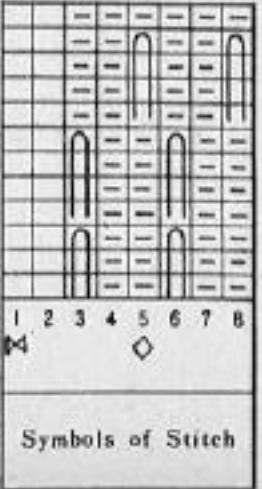
Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Carr. Dir.	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	2	5	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III
Tension Dial	H	C	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weaving Apparatus	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
Apparatus	1	2	3	4	5	6	7	8	8	A	1									
8 sts, 6 row=1 pattern																				

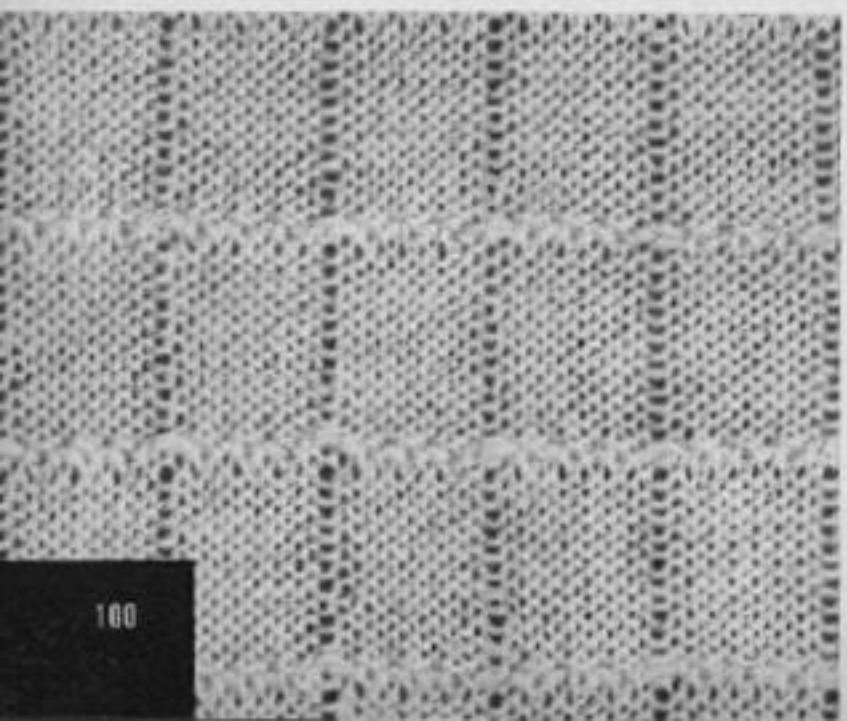
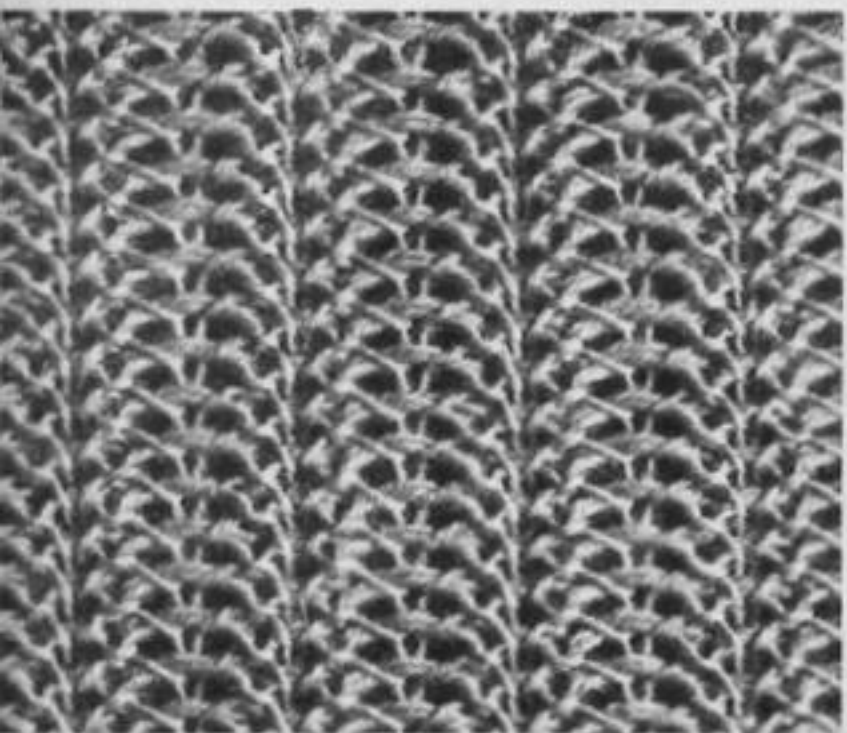
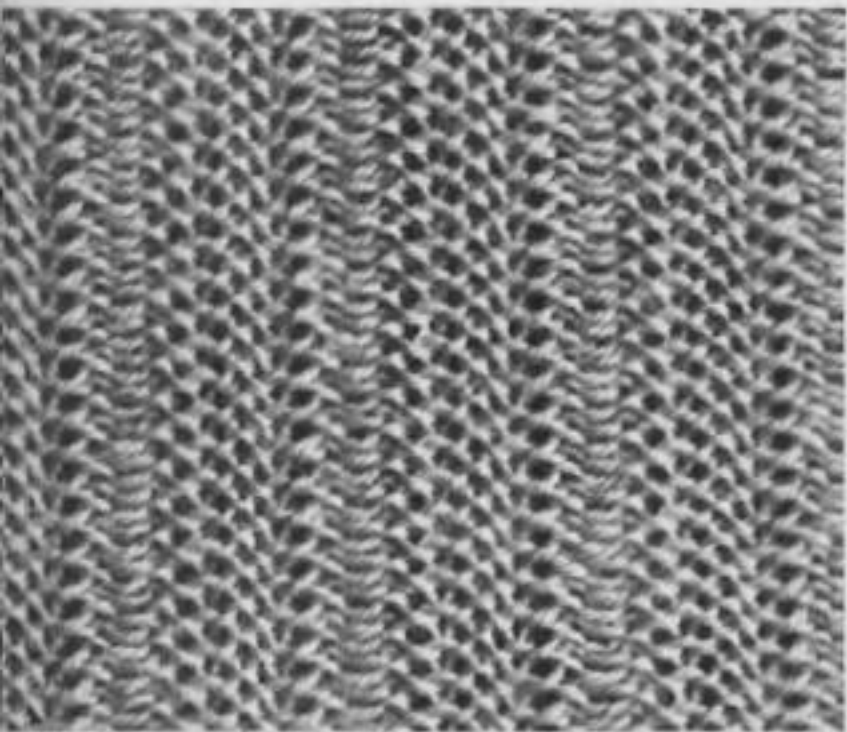
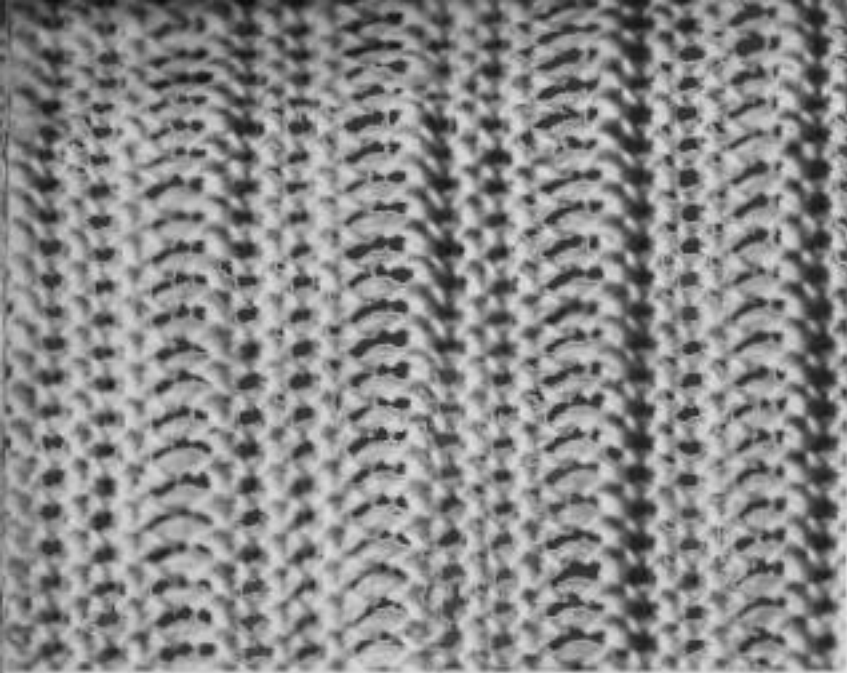


Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Carr. Dir.	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	2	5	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III
Tension Dial	H	C	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weaving Apparatus	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
Apparatus	1	2	3	4	5	6	7	8	8	A	1									
8 sts, 4 row=1 pattern																				



Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Carr. Dir.	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	2	5	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III
Tension Dial	H	C	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weaving Apparatus	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
Apparatus	1	2	3	4	5	6	7	8	8	A	1									
8 sts, 12 row=1 pattern																				





Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	R	L	R	L	R	L	R	L	2	5	8	A	1			
Color																
Tension Dial	5	5	5	5	5	5	5	5								
H. C. L. Left	5	5	5	5	5	5	5	5								
H. C. L. Right																
Carriage																
Apparatus	8 sts, 4 row=1 pattern								Weaving Thread Div. of L-Carriage							

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
Symbols of Stitch							

Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	R	L	R	L	R	L	R	L	6	8	A	1				
Color																
Tension Dial	5	5	5	5	5	5	5	5								
H. C. L. Left	5	5	5	5	5	5	5	5								
H. C. L. Right																
Carriage																
Apparatus	8 sts, 2 row=1 pattern								Weaving Thread Div. of L-Carriage							

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
Symbols of Stitch							

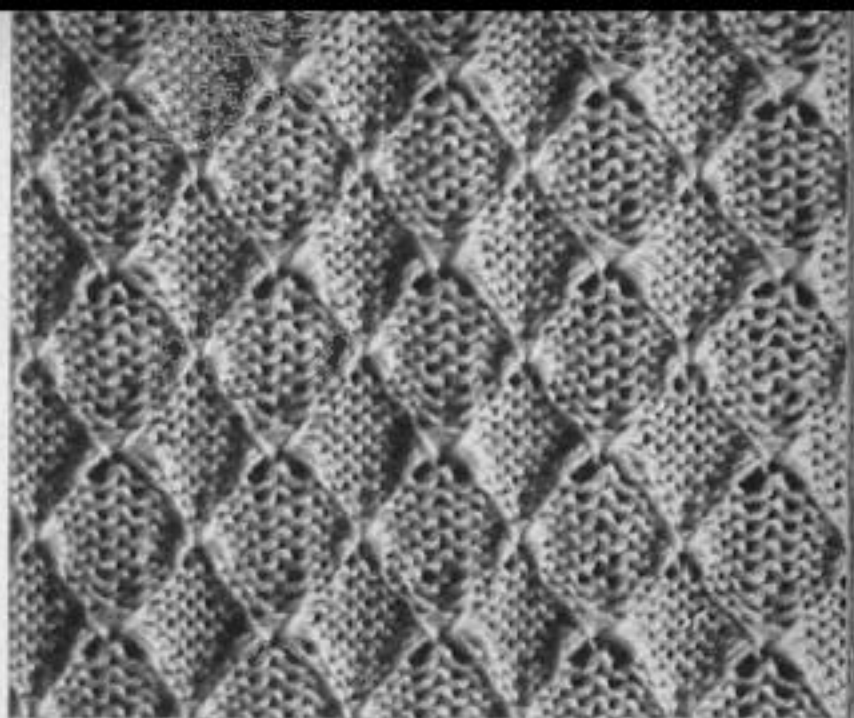
Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	R	L	R	L	R	L	R	L	2	6	A	1				
Color																
Tension Dial	5	5	5	5	5	5	5	5								
H. C. L. Left	5	5	5	5	5	5	5	5								
H. C. L. Right																
Carriage																
Apparatus	8 sts, 4 row=1 pattern								Weaving Thread Div. of L-Carriage							

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
Symbols of Stitch							

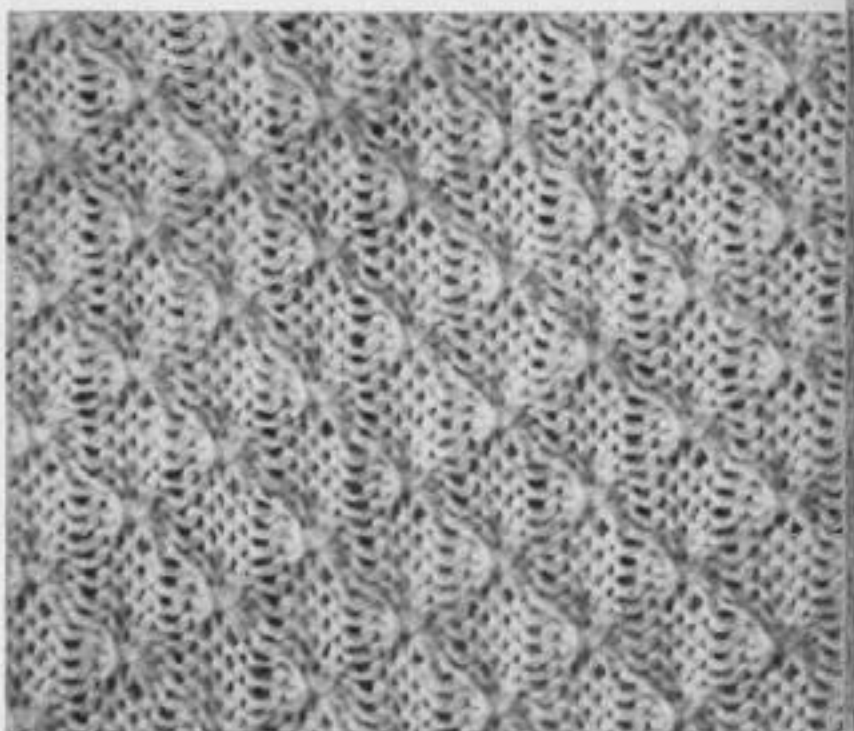
Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	R	L	R	L	R	L	R	L	2	4	6	8				
Color																
Tension Dial	5	5	5	5	5	5	5	5								
H. C. L. Left	5	5	5	5	5	5	5	5								
H. C. L. Right																
Carriage																
Apparatus	8 sts, 4 row=1 pattern								Weaving Thread Div. of L-Carriage							

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
Symbols of Stitch							

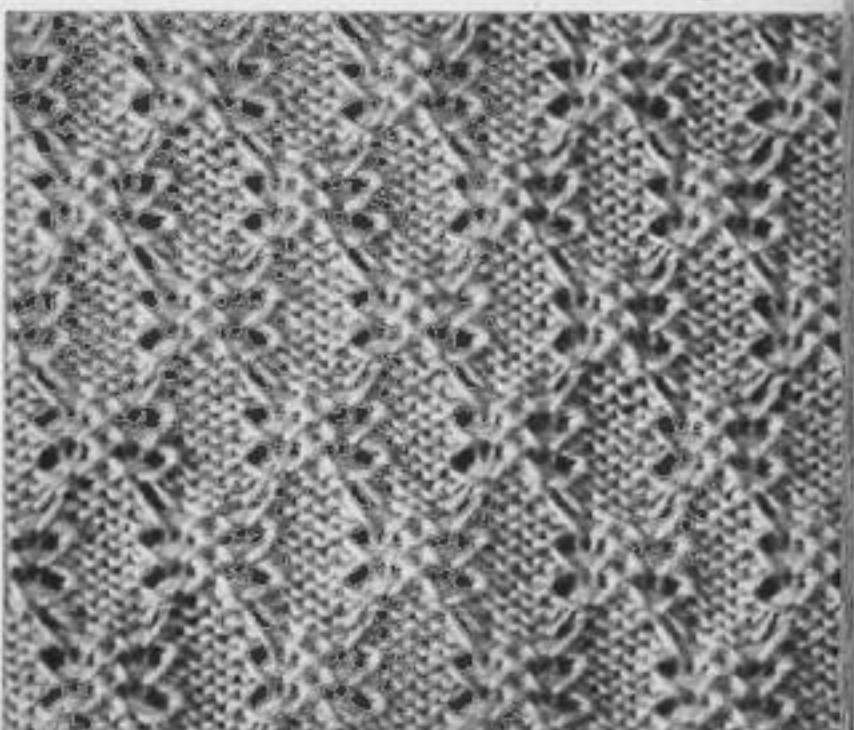
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage
1-12	→	1	5	III	III	III	Z	1 2 3 4 5 6 7 8	○	○	2	A
<p>Apparatus</p> <p>8 sts, 12 row = 1 pattern</p>												
<p>Symbols of Stitch</p> <p>1 2 3 4 5 6 7 8</p> <p>○</p>												



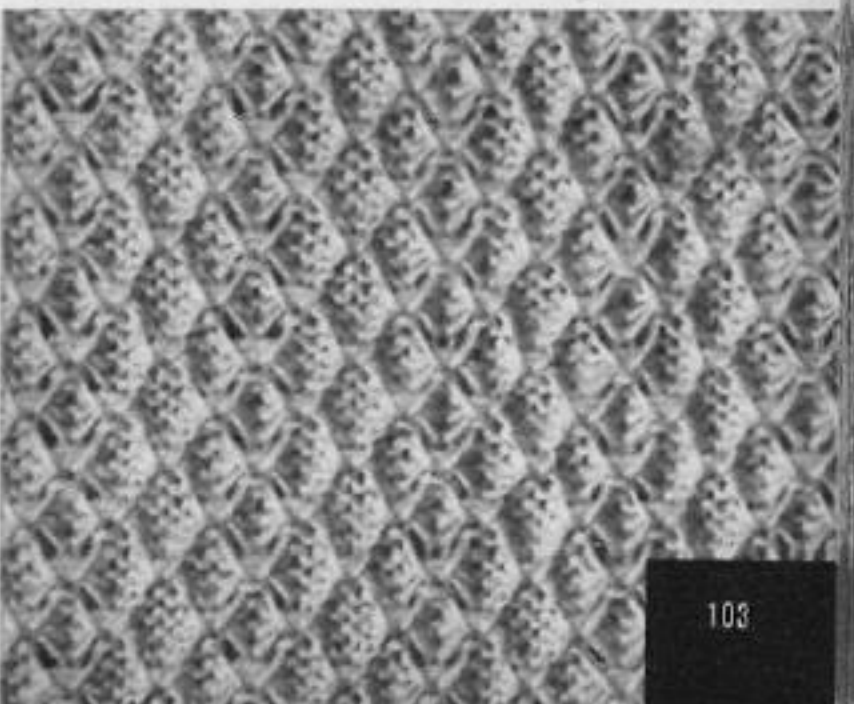
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage
1-8	→	1	5	III	III	III	Z	1 2 3 4 5 6 7 8	○	○	2	A
<p>Apparatus</p> <p>8 sts, 8 row = 1 pattern</p>												
<p>Symbols of Stitch</p> <p>1 2 3 4 5 6 7 8</p> <p>○</p>												

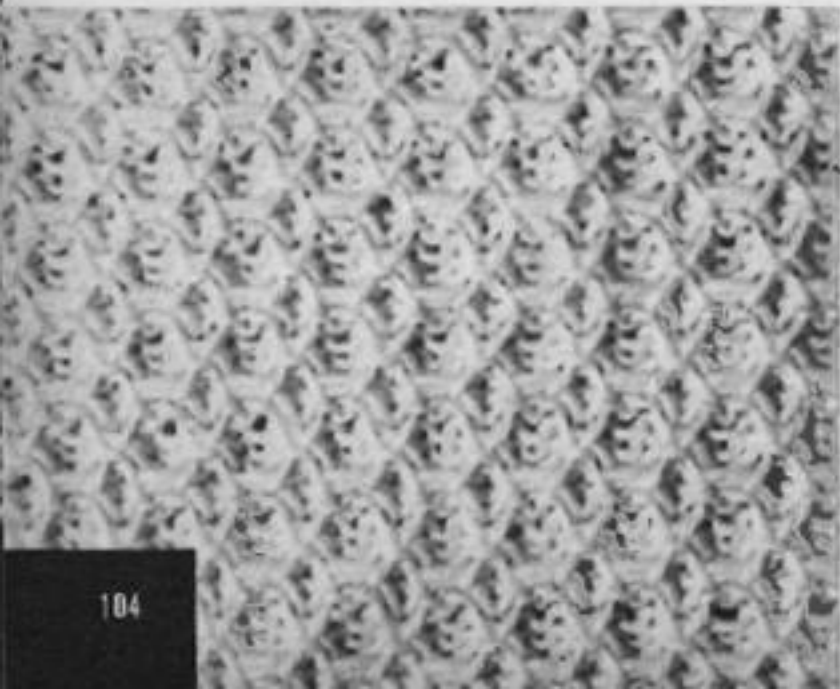
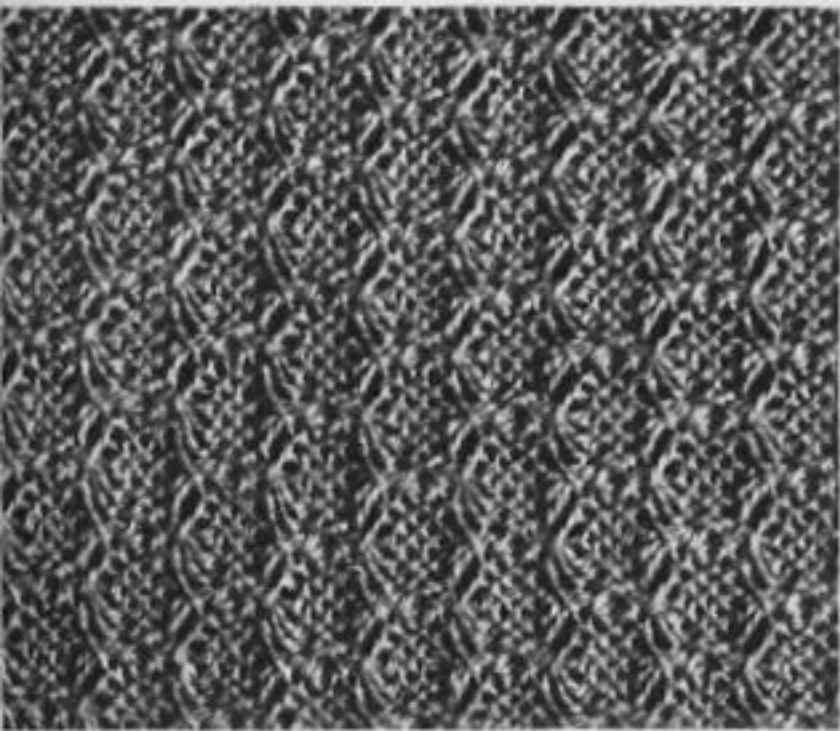
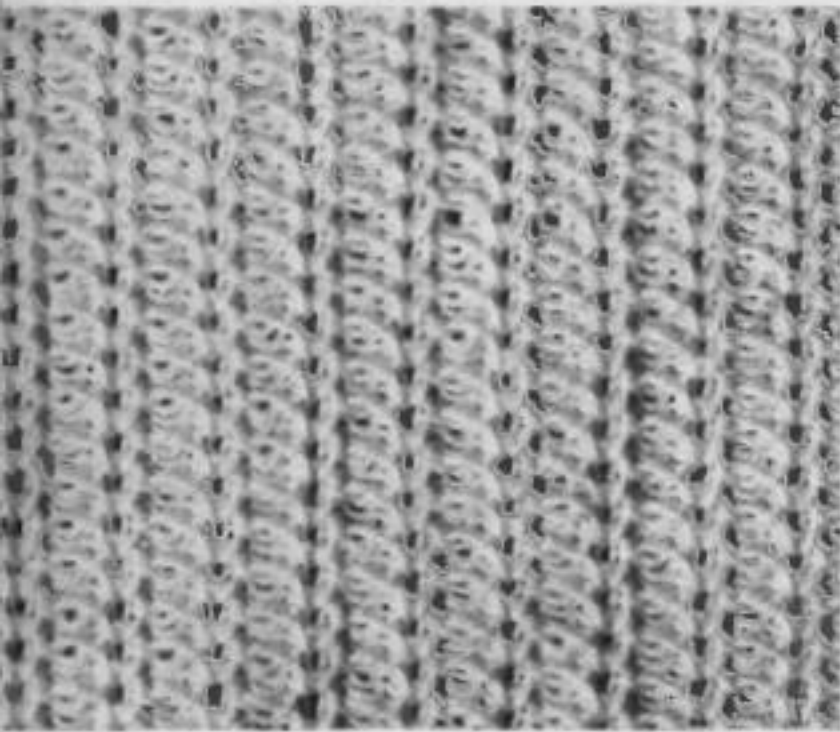
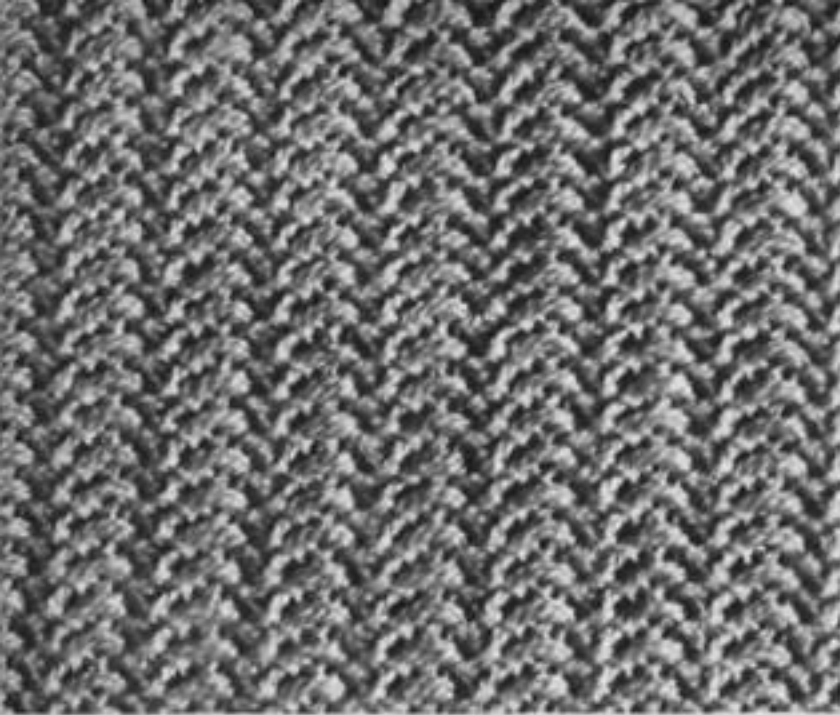


Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage
1-18	→	1	5	III	III	III	Z	1 2 3 4 5 6 7 8	○	○	2	A
<p>Apparatus</p> <p>8 sts, 8 row = 1 pattern</p>												
<p>Symbols of Stitch</p> <p>1 2 3 4 5 6 7 8</p> <p>○</p>												



Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage
1-8	→	1	5	III	III	III	Z	1 2 3 4 5 6 7 8	○	○	2	A
<p>Apparatus</p> <p>8 sts, 8 row = 1 pattern</p>												
<p>Symbols of Stitch</p> <p>1 2 3 4 5 6 7 8</p> <p>○</p>												





461

Steps	1	2	3	4	5	6	7	8	9	10	11	12
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8	9	10	11	12
Tension Dial	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11
Carriage												
Weaving Apparatus	Z	1	2	3	4	5	6	7	8	9	10	11
Needle Selection	1	2	3	4	5	6	7	8	9	10	11	12
Reverse Knob												
Slide Dial												
Apparatus	4 str. 4 row=1 pattern											
Weaving Thread												
Nr. of L. Carriage	A 1											

1	2	3	4	5	6	7	8
Symbols of Stitch							

462

Steps	1	2	3	4	5	6	7	8	9	10	11	12
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8	9	10	11	12
Tension Dial	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11
Carriage												
Weaving Apparatus	Z	1	2	3	4	5	6	7	8	9	10	11
Needle Selection	1	2	3	4	5	6	7	8	9	10	11	12
Reverse Knob												
Slide Dial												
Apparatus	4 str. 4 row=1 pattern											
Weaving Thread												
Nr. of L. Carriage	A 1											

1	2	3	4	5	6	7	8
Symbols of Stitch							

463

Steps	1	2	3	4	5	6	7	8	9	10	11	12
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8	9	10	11	12
Tension Dial	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11
Carriage												
Weaving Apparatus	Z	1	2	3	4	5	6	7	8	9	10	11
Needle Selection	1	2	3	4	5	6	7	8	9	10	11	12
Reverse Knob												
Slide Dial												
Apparatus	8 str. 8 row=1 pattern											
Weaving Thread												
Nr. of L. Carriage	A 1											

1	2	3	4	5	6	7	8
Symbols of Stitch							

464

Steps	1	2	3	4	5	6	7	8	9	10	11	12
Carriage Direction	R	L	R	L	R	L	R	L	R	L	R	L
Color	1	2	3	4	5	6	7	8	9	10	11	12
Tension Dial	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11
Carriage												
Weaving Apparatus	Z	1	2	3	4	5	6	7	8	9	10	11
Needle Selection	1	2	3	4	5	6	7	8	9	10	11	12
Reverse Knob												
Slide Dial												
Apparatus	4 str. 2 row=1 pattern											
Weaving Thread												
Nr. of L. Carriage	A 1											

1	2	3	4	5	6	7	8
Symbols of Stitch							

LACE PATTERNS

What are Lace patterns?

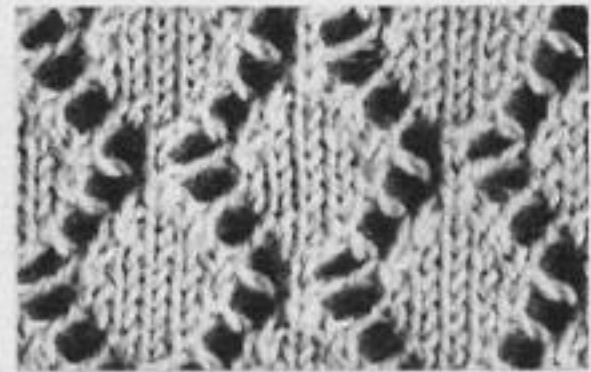
Lacy pattern stitches which are worked by transferring the stitches to the adjacent needles then knitting a row (or 2 rows) of plain knitting. Different kinds of beautiful lacy patterns will be obtained by the holes formed on the garment.

Specialities of Lace patterns:

Lacy open work patterns are specially good for the knit wear in the spring and the summer time.

Lace patterns have until now been worked by manually transferring the stitches from one needle to the other which requires a good deal of time and patience. Since the L-carriage was invented, lace patterns can be worked at an incredible speed, by using the Pattern Center regardless of the kind of materials used.

How to work Lace patterns:



CarriagePlace at right side.

Yarn in feeder.....Thread the yarn feeder with knitting yarn.

Tension dial.....Set to 4.

Change leverSet both, left and right to 1.

Cam buttons“PLAIN”.

Thread knitting installation.....Set both knobs and levers to N.

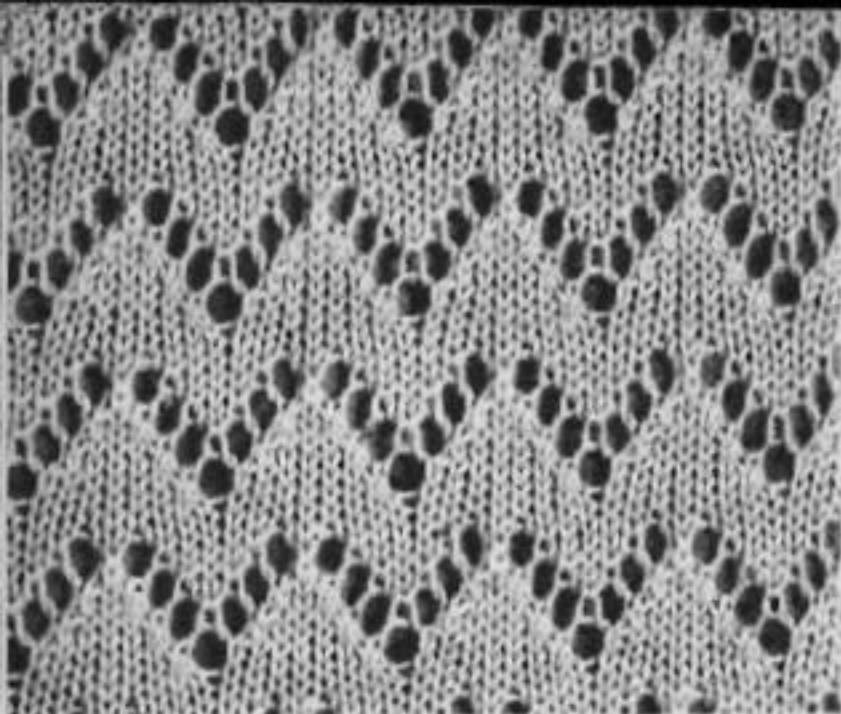
Needle selection buttons.....Push 5.

Reverse knobSet to A.

Slide dialSet to 1.

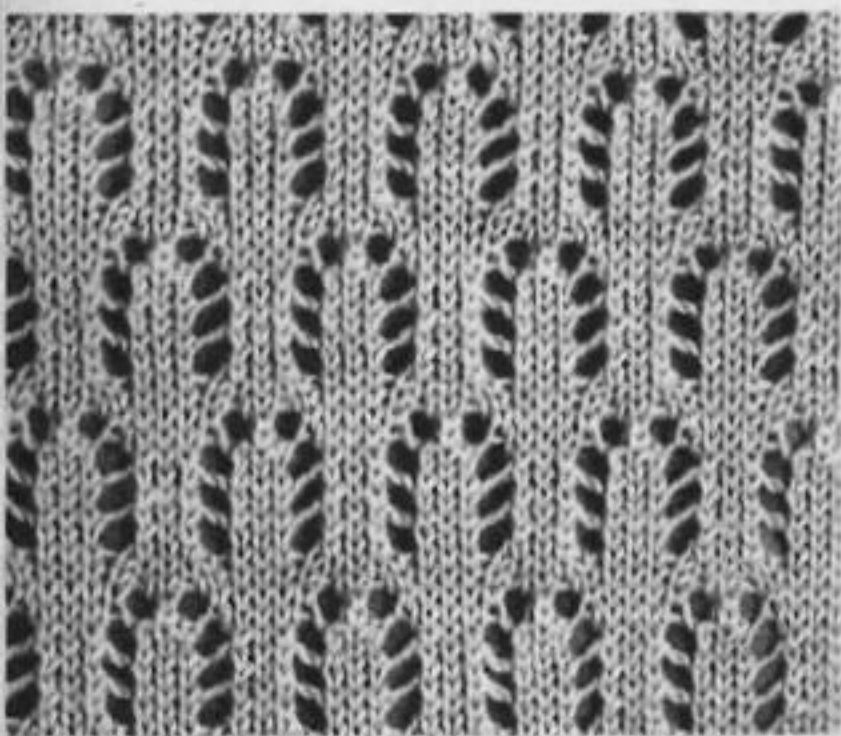
Order of operations:

1. Arrange the needles using the set lever, then operate the L-carriage from right to left.
 2. Depress 3 of Needle selection buttons (N. B. First release No. 5). Arrange the needles. Operate the L-carriage from right to left. Operate the knitting carriage, twice across.
 3. Depress 6 of Needle selection buttons (first releasing 3). Arrange the needles. Operate the L-carriage from left to right.
 4. Depress 2 of Needle selection buttons (releasing 6). Arrange the needles. Operate the L-carriage from right to left. Operate the knitting carriage twice across.
 5. Depress 7 of Needle selection buttons (releasing 2). Arrange the needles. Operate the L-carriage from left to right.
 6. Depress 1 of Needle selection buttons (releasing 7). Arrange the needles. Operate the L-carriage from right to left. Operate the knitting carriage twice across.
 7. With 1 of Needle selection buttons already depressed, select the needles. Operate the L-carriage from right to left.
 8. Depress 7 of Needle selection buttons (releasing 1). Arrange the needles and Operate the L-carriage from right to left. Operate the knitting carriage twice across.
 9. Depress 2 of Needle selection buttons (releasing 7). Arrange the needles. Operate the L-carriage from left to right. Operate the knitting carriage twice across.
 10. Depress 6 of Needle selection buttons (releasing 2). Arrange the needles and Operate the L-carriage from right to left. Operate the knitting carriage twice across.
 11. Depress 3 of Needle selection buttons (releasing 6) and arrange the needles. Operate the L-carriage from left to right. Operate the knitting carriage twice across.
 12. Depress 5 of Needle selection buttons (releasing 3) and arrange the needles. Operate the L-carriage from right to left. Operate the knitting carriage twice across.
- Repeat the steps from 1 to 12.



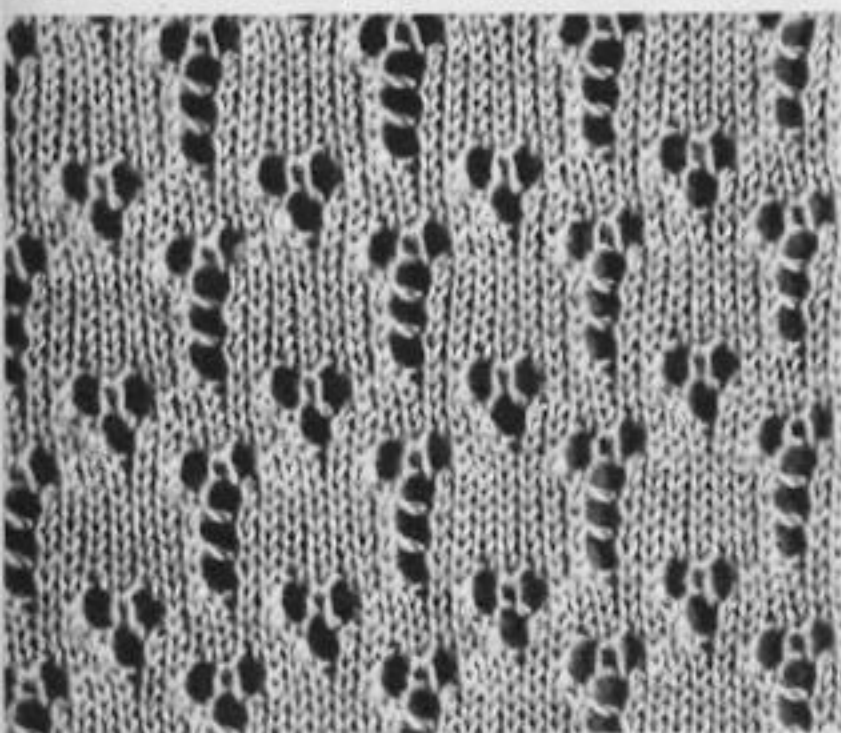
473

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1-20	↔	1	0	0	0	0	Z	1	0	0	↕	↔	1 2 3 4 5 6 7 8
													1 2 3 4 5 6 7 8
Apparatus												Symbols of Stitch	
8 sts, 10 rows = 1 pattern													



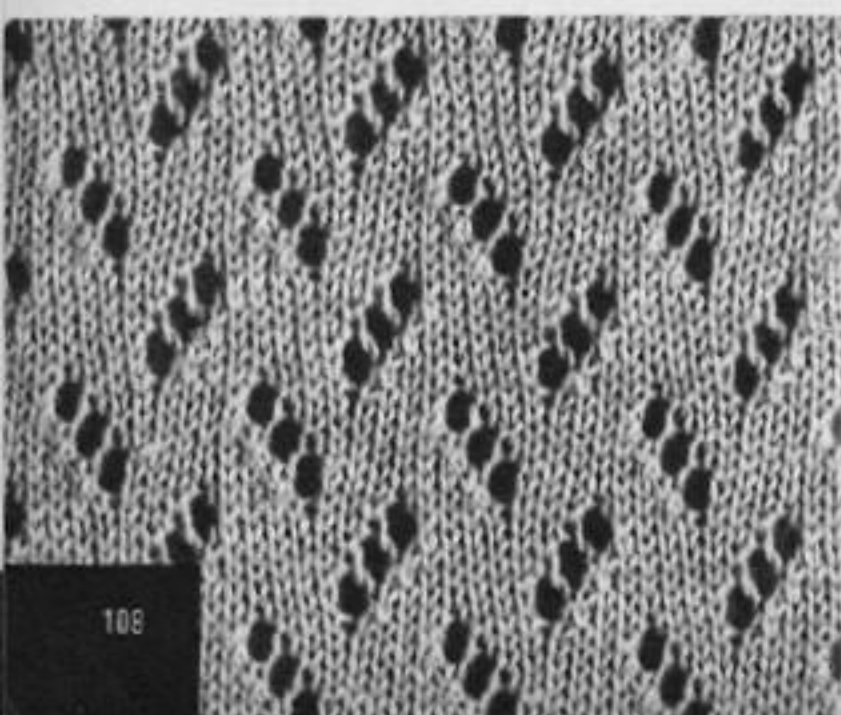
474

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1-20	↔	1	0	0	0	0	Z	1	0	0	↕	↔	1 2 3 4 5 6 7 8
													1 2 3 4 5 6 7 8
Apparatus												Symbols of Stitch	
8 sts, 20 rows = 1 pattern													



475

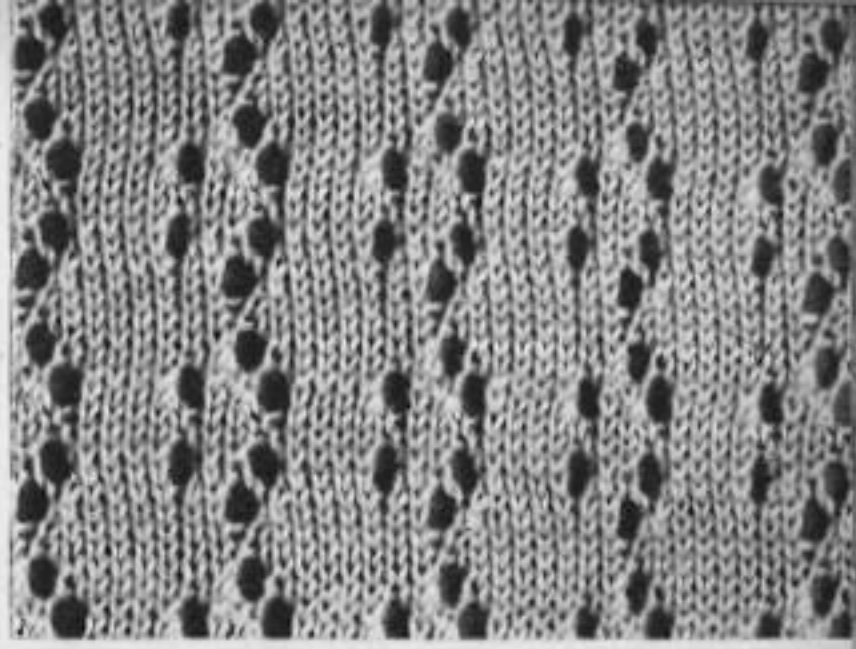
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1-12	↔	1	0	0	0	0	Z	1	0	0	↕	↔	1 2 3 4 5 6 7 8
													1 2 3 4 5 6 7 8
Apparatus												Symbols of Stitch	
8 sts, 12 rows = 1 pattern													



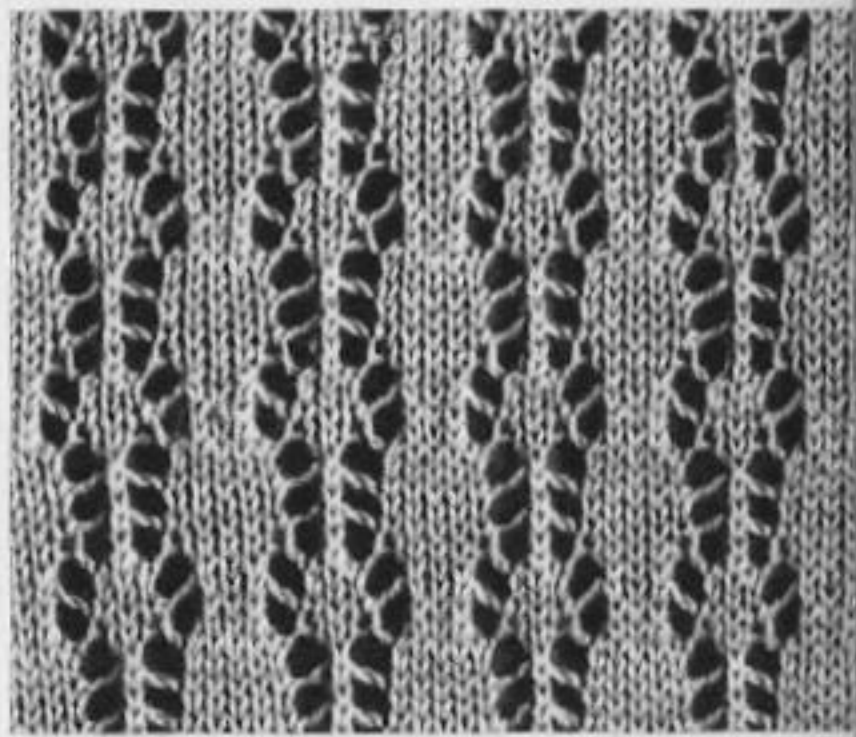
476

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1-12	↔	1	0	0	0	0	Z	1	0	0	↕	↔	1 2 3 4 5 6 7 8
													1 2 3 4 5 6 7 8
Apparatus												Symbols of Stitch	
8 sts, 12 rows = 1 pattern													

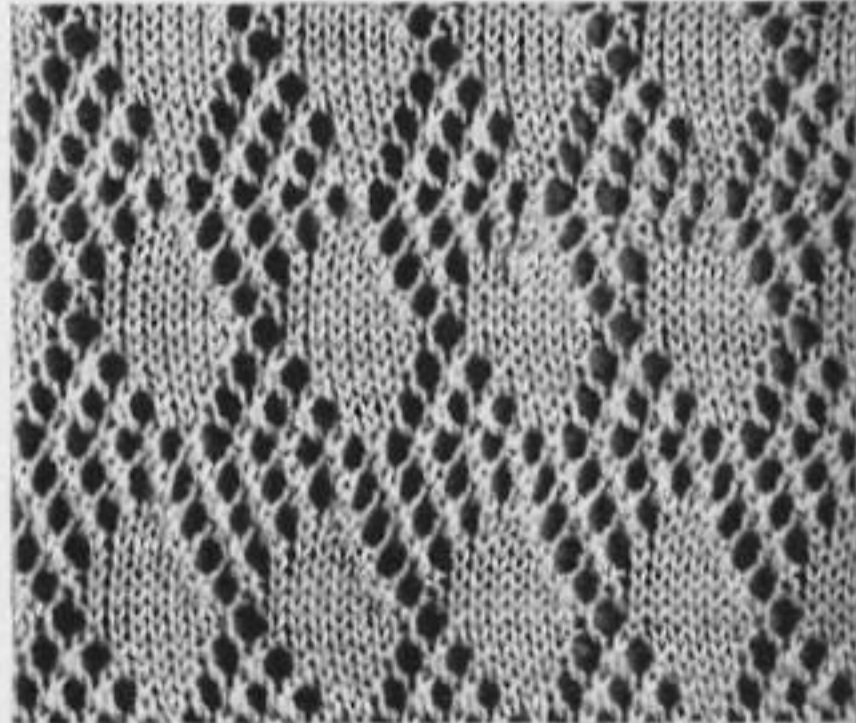
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Wearing Apparatus	Needle Selection	Reverse Knob	Slide Dial	Apparatus	8 sts. 12 row = 1 pattern	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch



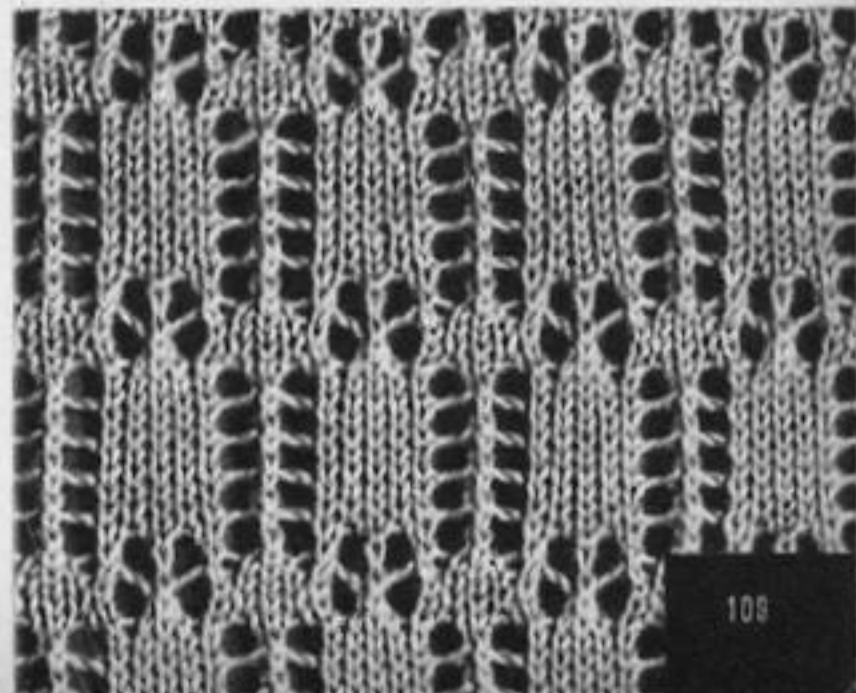
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Wearing Apparatus	Needle Selection	Reverse Knob	Slide Dial	Apparatus	8 sts. 10 row = 1 pattern	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch

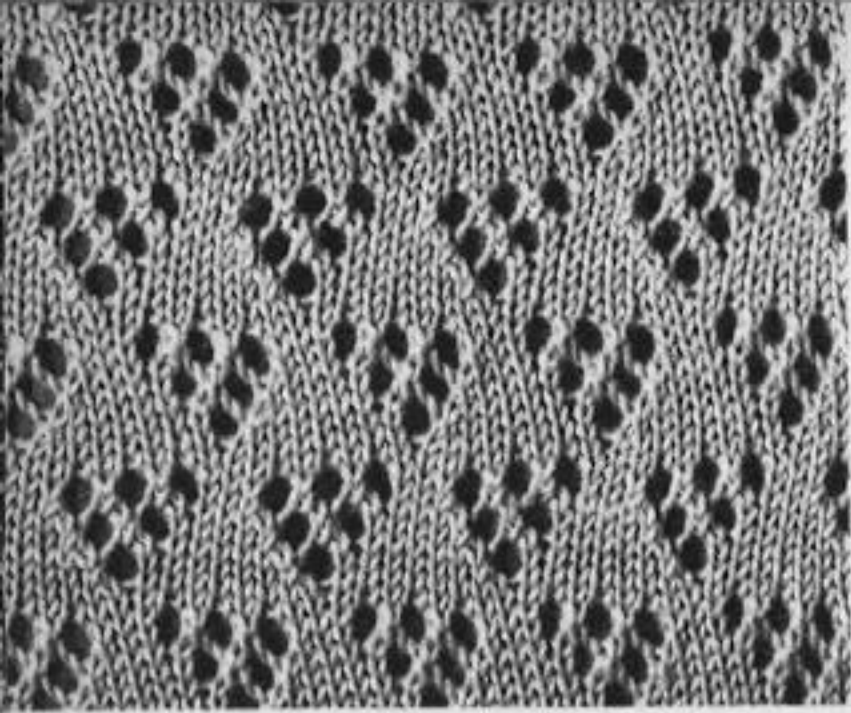


Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Wearing Apparatus	Needle Selection	Reverse Knob	Slide Dial	Apparatus	8 sts. 16 row = 1 pattern	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch



Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Wearing Apparatus	Needle Selection	Reverse Knob	Slide Dial	Apparatus	8 sts. 14 row = 1 pattern	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch

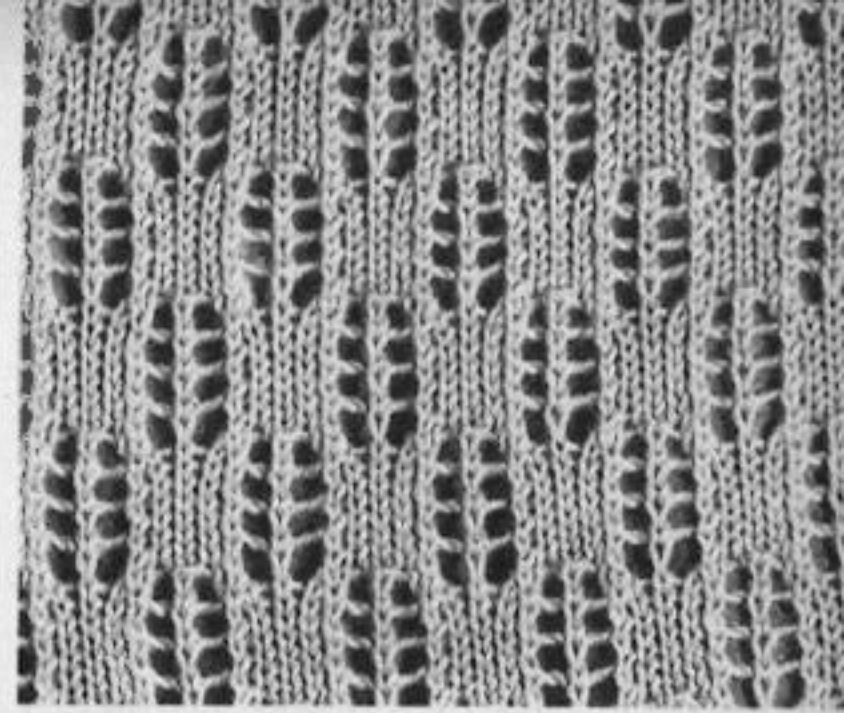




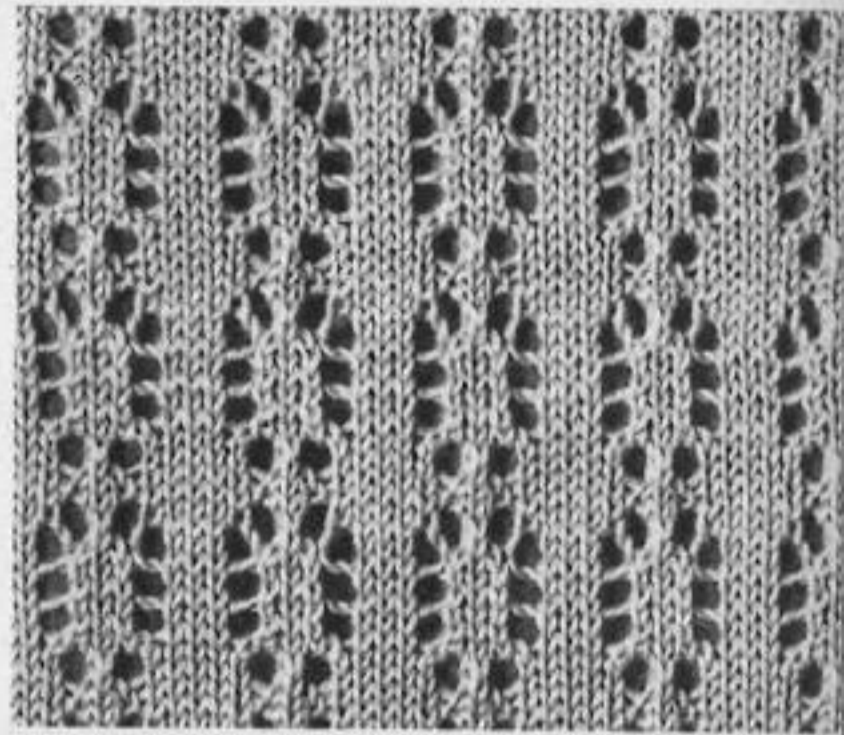
505

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1-8	↻	1	5	1	1	1	1	1	1	1	↻	↻	○
9-16	↻	2	5	1	1	1	1	5	7	8	↻	↻	○
17-24	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
25-32	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
33-40	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
41-48	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
49-56	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
57-64	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
65-72	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
73-80	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
81-88	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
89-96	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
97-104	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
105-112	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
113-120	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
121-128	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
129-136	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
137-144	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
145-152	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
153-160	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
161-168	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
169-176	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
177-184	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
185-192	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
193-200	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
201-208	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
209-216	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
217-224	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
225-232	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
233-240	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
241-248	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
249-256	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
257-264	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
265-272	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
273-280	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
281-288	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
289-296	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
297-304	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
305-312	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
313-320	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
321-328	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
329-336	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
337-344	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
345-352	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
353-360	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
361-368	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
369-376	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
377-384	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
385-392	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
393-400	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
401-408	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
409-416	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
417-424	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
425-432	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
433-440	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
441-448	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
449-456	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
457-464	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
465-472	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
473-480	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
481-488	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
489-496	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
497-504	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
505-512	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
513-520	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
521-528	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
529-536	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
537-544	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
545-552	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
553-560	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
561-568	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
569-576	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
577-584	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
585-592	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
593-600	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
601-608	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
609-616	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
617-624	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
625-632	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
633-640	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
641-648	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
649-656	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
657-664	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
665-672	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
673-680	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
681-688	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
689-696	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
697-704	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
705-712	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
713-720	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
721-728	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
729-736	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
737-744	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
745-752	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
753-760	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
761-768	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
769-776	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
777-784	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
785-792	↻	1	5	1	1	1	1	2	3	4	↻	↻	○
793-800	↻	2	5	1	1	1	1	3	4	5	↻	↻	○
801-808	↻	1	5	1	1	1	1	4	5	6	↻	↻	○
809-816	↻	2	5	1	1	1	1	5	6	7	↻	↻	○
817-824	↻	1	5	1	1	1	1	6	7	8	↻	↻	○
825-832	↻	2	5	1	1	1	1	7	8	1	↻	↻	○
833-840	↻	1	5	1	1	1	1	8	1	2	↻	↻	○
841-848	↻	2	5	1	1	1	1	1	2	3	↻	↻	○
849-856	↻	1	5	1	1	1							

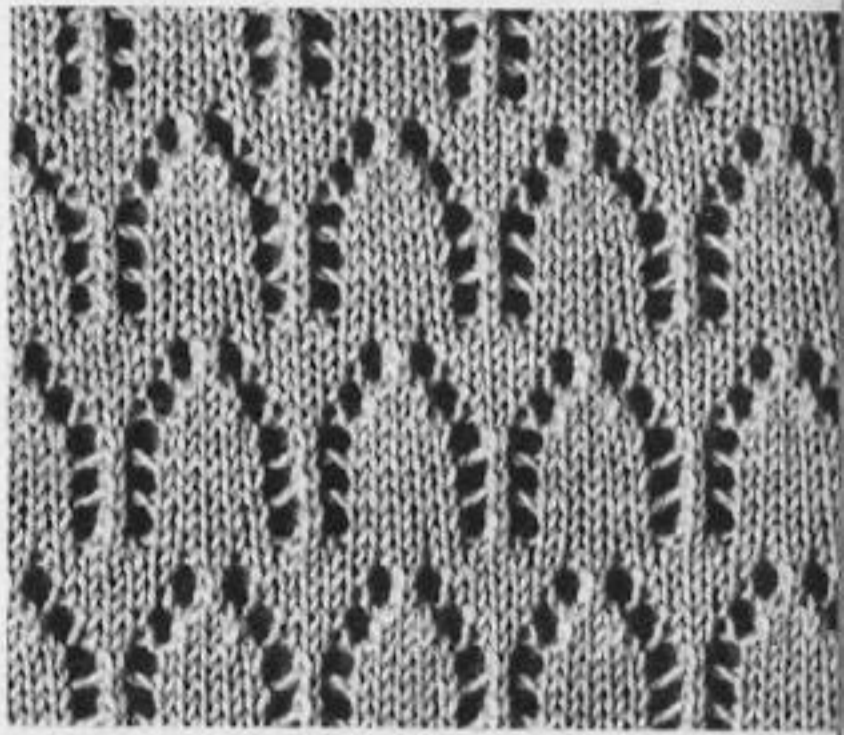
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1-12	→	1	0	0		0	Z	1	0	0	↖	↖	○
13-24	→	2	0	0		0	Z	2	0	0	↖	↖	○
25-36	→	3	0	0		0	Z	3	0	0	↖	↖	○
37-48	→	4	0	0		0	Z	4	0	0	↖	↖	○
49-60	→	5	0	0		0	Z	5	0	0	↖	↖	○
61-72	→	6	0	0		0	Z	6	0	0	↖	↖	○
73-84	→	7	0	0		0	Z	7	0	0	↖	↖	○
85-96	→	8	0	0		0	Z	8	0	0	↖	↖	○
97-108	→	9	0	0		0	Z	9	0	0	↖	↖	○
109-120	→	10	0	0		0	Z	10	0	0	↖	↖	○
121-132	→	11	0	0		0	Z	11	0	0	↖	↖	○
133-144	→	12	0	0		0	Z	12	0	0	↖	↖	○
Carriage												8 sts, 16 row = 1 pattern	



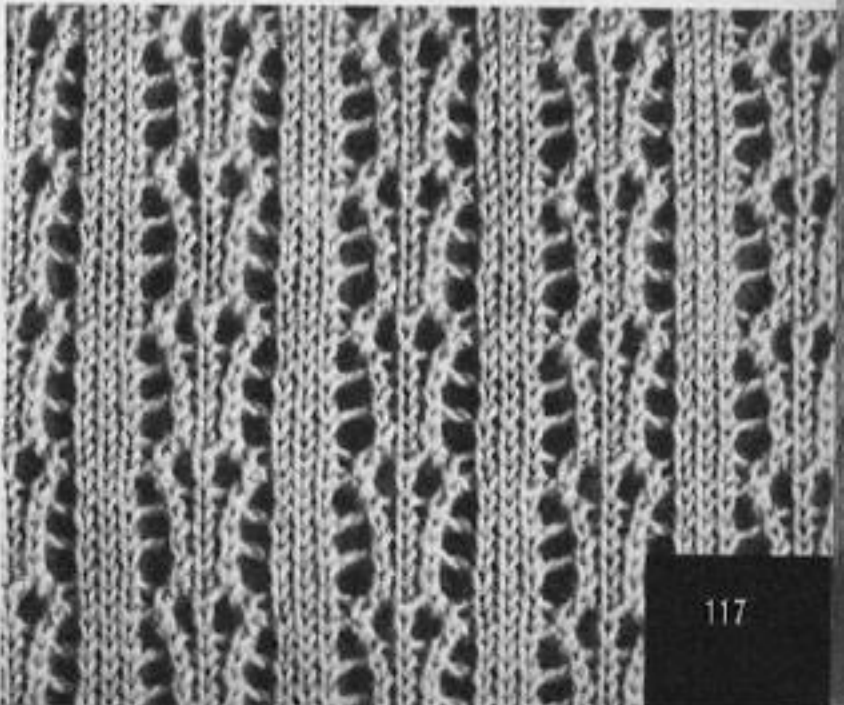
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1-12	→	1	0	0		0	Z	1	0	0	↖	↖	○
13-24	→	2	0	0		0	Z	2	0	0	↖	↖	○
25-36	→	3	0	0		0	Z	3	0	0	↖	↖	○
37-48	→	4	0	0		0	Z	4	0	0	↖	↖	○
49-60	→	5	0	0		0	Z	5	0	0	↖	↖	○
61-72	→	6	0	0		0	Z	6	0	0	↖	↖	○
73-84	→	7	0	0		0	Z	7	0	0	↖	↖	○
85-96	→	8	0	0		0	Z	8	0	0	↖	↖	○
97-108	→	9	0	0		0	Z	9	0	0	↖	↖	○
109-120	→	10	0	0		0	Z	10	0	0	↖	↖	○
121-132	→	11	0	0		0	Z	11	0	0	↖	↖	○
133-144	→	12	0	0		0	Z	12	0	0	↖	↖	○
Carriage												8 sts, 12 row = 1 pattern	



Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1-12	→	1	0	0		0	Z	1	0	0	↖	↖	○
13-24	→	2	0	0		0	Z	2	0	0	↖	↖	○
25-36	→	3	0	0		0	Z	3	0	0	↖	↖	○
37-48	→	4	0	0		0	Z	4	0	0	↖	↖	○
49-60	→	5	0	0		0	Z	5	0	0	↖	↖	○
61-72	→	6	0	0		0	Z	6	0	0	↖	↖	○
73-84	→	7	0	0		0	Z	7	0	0	↖	↖	○
85-96	→	8	0	0		0	Z	8	0	0	↖	↖	○
97-108	→	9	0	0		0	Z	9	0	0	↖	↖	○
109-120	→	10	0	0		0	Z	10	0	0	↖	↖	○
121-132	→	11	0	0		0	Z	11	0	0	↖	↖	○
133-144	→	12	0	0		0	Z	12	0	0	↖	↖	○
Carriage												8 sts, 12 row = 1 pattern	



Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1-12	→	1	0	0		0	Z	1	0	0	↖	↖	○
13-24	→	2	0	0		0	Z	2	0	0	↖	↖	○
25-36	→	3	0	0		0	Z	3	0	0	↖	↖	○
37-48	→	4	0	0		0	Z	4	0	0	↖	↖	○
49-60	→	5	0	0		0	Z	5	0	0	↖	↖	○
61-72	→	6	0	0		0	Z	6	0	0	↖	↖	○
73-84	→	7	0	0		0	Z	7	0	0	↖	↖	○
85-96	→	8	0	0		0	Z	8	0	0	↖	↖	○
97-108	→	9	0	0		0	Z	9	0	0	↖	↖	○
109-120	→	10	0	0		0	Z	10	0	0	↖	↖	○
121-132	→	11	0	0		0	Z	11	0	0	↖	↖	○
133-144	→	12	0	0		0	Z	12	0	0	↖	↖	○
Carriage												8 sts, 8 row = 1 pattern	



Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
4	↻	2	5	1						1	2	3	1	↻	○
3	↻	2	5	1						1	2	3	1	↻	○
2	↻	2	5	1						1	2	3	1	↻	○
1	↻	2	5	1						1	2	3	1	↻	○

8 sts, 8 row=1 pattern

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
12	↻	2	5	1						1	2	3	1	↻	○
11	↻	2	5	1						1	2	3	1	↻	○
10	↻	2	5	1						1	2	3	1	↻	○
9	↻	2	5	1						1	2	3	1	↻	○
8	↻	2	5	1						1	2	3	1	↻	○
7	↻	2	5	1						1	2	3	1	↻	○
6	↻	2	5	1						1	2	3	1	↻	○
5	↻	2	5	1						1	2	3	1	↻	○
4	↻	2	5	1						1	2	3	1	↻	○
3	↻	2	5	1						1	2	3	1	↻	○
2	↻	2	5	1						1	2	3	1	↻	○
1	↻	2	5	1						1	2	3	1	↻	○

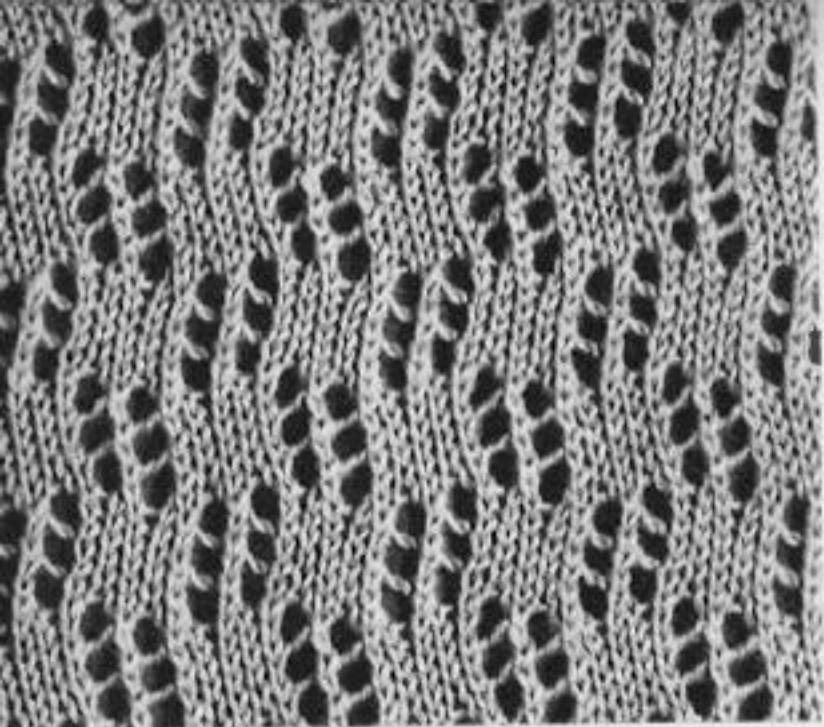
8 sts, 16 row=1 pattern

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
14	↻	2	5	1						1	2	3	1	↻	○
13	↻	2	5	1						1	2	3	1	↻	○
12	↻	2	5	1						1	2	3	1	↻	○
11	↻	2	5	1						1	2	3	1	↻	○
10	↻	2	5	1						1	2	3	1	↻	○
9	↻	2	5	1						1	2	3	1	↻	○
8	↻	2	5	1						1	2	3	1	↻	○
7	↻	2	5	1						1	2	3	1	↻	○
6	↻	2	5	1						1	2	3	1	↻	○
5	↻	2	5	1						1	2	3	1	↻	○
4	↻	2	5	1						1	2	3	1	↻	○
3	↻	2	5	1						1	2	3	1	↻	○
2	↻	2	5	1						1	2	3	1	↻	○
1	↻	2	5	1						1	2	3	1	↻	○

8 sts, 14 row=1 pattern

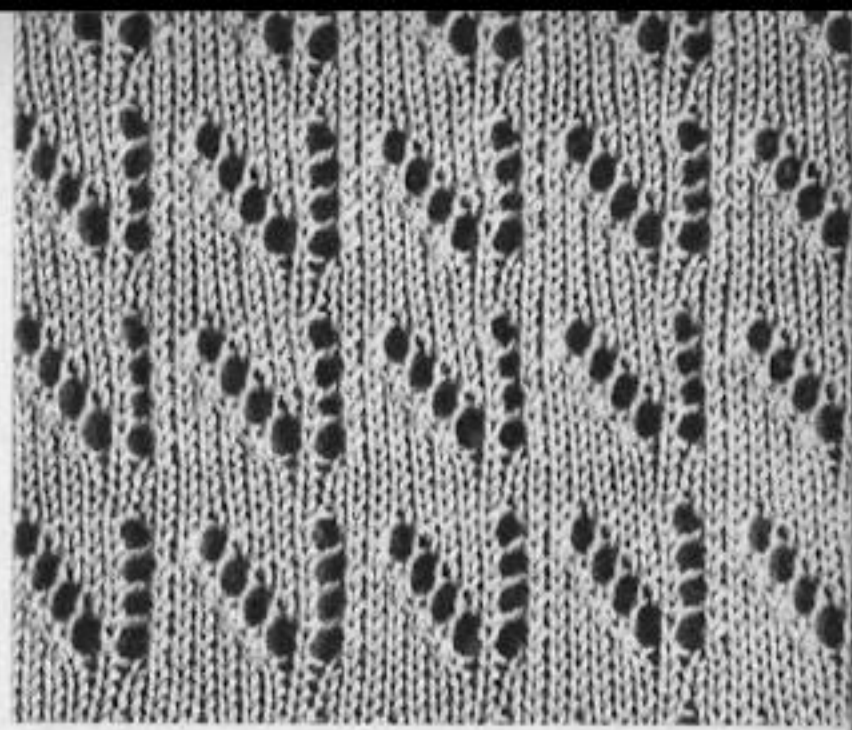
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
15	↻	2	5	1						1	2	3	1	↻	○
14	↻	2	5	1						1	2	3	1	↻	○
13	↻	2	5	1						1	2	3	1	↻	○
12	↻	2	5	1						1	2	3	1	↻	○
11	↻	2	5	1						1	2	3	1	↻	○
10	↻	2	5	1						1	2	3	1	↻	○
9	↻	2	5	1						1	2	3	1	↻	○
8	↻	2	5	1						1	2	3	1	↻	○
7	↻	2	5	1						1	2	3	1	↻	○
6	↻	2	5	1						1	2	3	1	↻	○
5	↻	2	5	1						1	2	3	1	↻	○
4	↻	2	5	1						1	2	3	1	↻	○
3	↻	2	5	1						1	2	3	1	↻	○
2	↻	2	5	1						1	2	3	1	↻	○
1	↻	2	5	1						1	2	3	1	↻	○

8 sts, 16 row=1 pattern

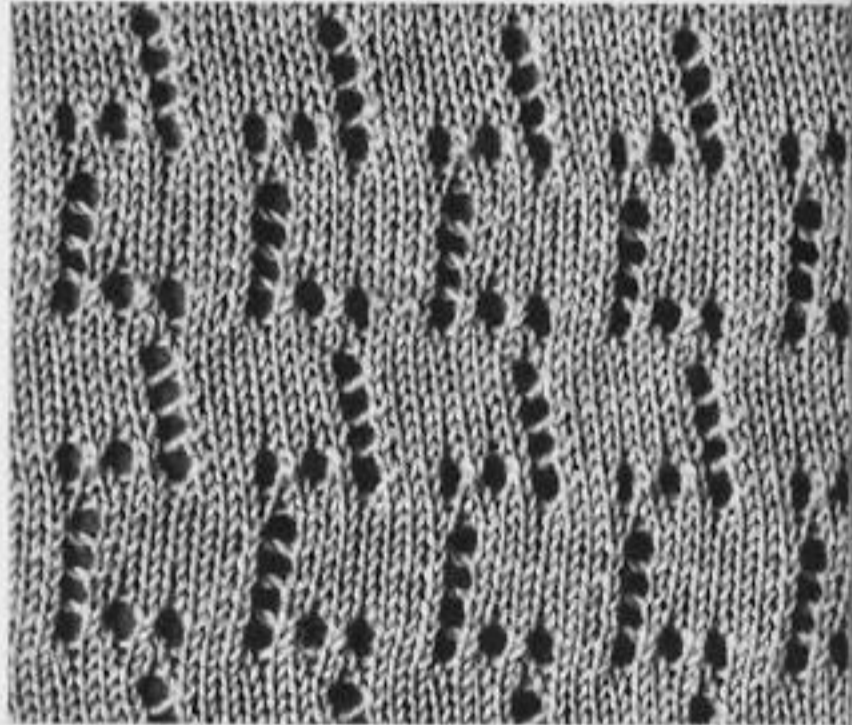


Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Wearing Apparatus	Needle Selection	Reverse Knob	Slide Dial	Wearing Thread	Dir. of L-Carriage	Symbols of Stitch
1-10	↔	1	5	1		1	1	1	1	1	↔	↔	○
11-14	↔	2	5	1		1	1	1	1	1	↔	↔	○
15-18	↔	1	5	1		1	1	1	1	1	↔	↔	○
19-22	↔	2	5	1		1	1	1	1	1	↔	↔	○
23-26	↔	1	5	1		1	1	1	1	1	↔	↔	○
27-30	↔	2	5	1		1	1	1	1	1	↔	↔	○
31-34	↔	1	5	1		1	1	1	1	1	↔	↔	○
35-38	↔	2	5	1		1	1	1	1	1	↔	↔	○
39-42	↔	1	5	1		1	1	1	1	1	↔	↔	○
43-46	↔	2	5	1		1	1	1	1	1	↔	↔	○
47-50	↔	1	5	1		1	1	1	1	1	↔	↔	○
51-54	↔	2	5	1		1	1	1	1	1	↔	↔	○
55-58	↔	1	5	1		1	1	1	1	1	↔	↔	○
59-62	↔	2	5	1		1	1	1	1	1	↔	↔	○
63-66	↔	1	5	1		1	1	1	1	1	↔	↔	○
67-70	↔	2	5	1		1	1	1	1	1	↔	↔	○
71-74	↔	1	5	1		1	1	1	1	1	↔	↔	○
75-78	↔	2	5	1		1	1	1	1	1	↔	↔	○
79-82	↔	1	5	1		1	1	1	1	1	↔	↔	○
83-86	↔	2	5	1		1	1	1	1	1	↔	↔	○
87-90	↔	1	5	1		1	1	1	1	1	↔	↔	○
91-94	↔	2	5	1		1	1	1	1	1	↔	↔	○
95-98	↔	1	5	1		1	1	1	1	1	↔	↔	○
99-102	↔	2	5	1		1	1	1	1	1	↔	↔	○
103-106	↔	1	5	1		1	1	1	1	1	↔	↔	○
107-110	↔	2	5	1		1	1	1	1	1	↔	↔	○
111-114	↔	1	5	1		1	1	1	1	1	↔	↔	○
115-118	↔	2	5	1		1	1	1	1	1	↔	↔	○
119-122	↔	1	5	1		1	1	1	1	1	↔	↔	○
123-126	↔	2	5	1		1	1	1	1	1	↔	↔	○
127-130	↔	1	5	1		1	1	1	1	1	↔	↔	○
131-134	↔	2	5	1		1	1	1	1	1	↔	↔	○
135-138	↔	1	5	1		1	1	1	1	1	↔	↔	○
139-142	↔	2	5	1		1	1	1	1	1	↔	↔	○
143-146	↔	1	5	1		1	1	1	1	1	↔	↔	○
147-150	↔	2	5	1		1	1	1	1	1	↔	↔	○
151-154	↔	1	5	1		1	1	1	1	1	↔	↔	○
155-158	↔	2	5	1		1	1	1	1	1	↔	↔	○
159-162	↔	1	5	1		1	1	1	1	1	↔	↔	○
163-166	↔	2	5	1		1	1	1	1	1	↔	↔	○
167-170	↔	1	5	1		1	1	1	1	1	↔	↔	○
171-174	↔	2	5	1		1	1	1	1	1	↔	↔	○
175-178	↔	1	5	1		1	1	1	1	1	↔	↔	○
179-182	↔	2	5	1		1	1	1	1	1	↔	↔	○
183-186	↔	1	5	1		1	1	1	1	1	↔	↔	○
187-190	↔	2	5	1		1	1	1	1	1	↔	↔	○
191-194	↔	1	5	1		1	1	1	1	1	↔	↔	○
195-198	↔	2	5	1		1	1	1	1	1	↔	↔	○
199-202	↔	1	5	1		1	1	1	1	1	↔	↔	○
203-206	↔	2	5	1		1	1	1	1	1	↔	↔	○
207-210	↔	1	5	1		1	1	1	1	1	↔	↔	○
211-214	↔	2	5	1		1	1	1	1	1	↔	↔	○
215-218	↔	1	5	1		1	1	1	1	1	↔	↔	○
219-222	↔	2	5	1		1	1	1	1	1	↔	↔	○
223-226	↔	1	5	1		1	1	1	1	1	↔	↔	○
227-230	↔	2	5	1		1	1	1	1	1	↔	↔	○
231-234	↔	1	5	1		1	1	1	1	1	↔	↔	○
235-238	↔	2	5	1		1	1	1	1	1	↔	↔	○
239-242	↔	1	5	1		1	1	1	1	1	↔	↔	○
243-246	↔	2	5	1		1	1	1	1	1	↔	↔	○
247-250	↔	1	5	1		1	1	1	1	1	↔	↔	○
251-254	↔	2	5	1		1	1	1	1	1	↔	↔	○
255-258	↔	1	5	1		1	1	1	1	1	↔	↔	○
259-262	↔	2	5	1		1	1	1	1	1	↔	↔	○
263-266	↔	1	5	1		1	1	1	1	1	↔	↔	○
267-270	↔	2	5	1		1	1	1	1	1	↔	↔	○
271-274	↔	1	5	1		1	1	1	1	1	↔	↔	○
275-278	↔	2	5	1		1	1	1	1	1	↔	↔	○
279-282	↔	1	5	1		1	1	1	1	1	↔	↔	○
283-286	↔	2	5	1		1	1	1	1	1	↔	↔	○
287-290	↔	1	5	1		1	1	1	1	1	↔	↔	○
291-294	↔	2	5	1		1	1	1	1	1	↔	↔	○
295-298	↔	1	5	1		1	1	1	1	1	↔	↔	○
299-302	↔	2	5	1		1	1	1	1	1	↔	↔	○
303-306	↔	1	5	1		1	1	1	1	1	↔	↔	○
307-310	↔	2	5	1		1	1	1	1	1	↔	↔	○
311-314	↔	1	5	1		1	1	1	1	1	↔	↔	○
315-318	↔	2	5	1		1	1	1	1	1	↔	↔	○
319-322	↔	1	5	1		1	1	1	1	1	↔	↔	○
323-326	↔	2	5	1		1	1	1	1	1	↔	↔	○
327-330	↔	1	5	1		1	1	1	1	1	↔	↔	○
331-334	↔	2	5	1		1	1	1	1	1	↔	↔	○
335-338	↔	1	5	1		1	1	1	1	1	↔	↔	○
339-342	↔	2	5	1		1	1	1	1	1	↔	↔	○
343-346	↔	1	5	1		1	1	1	1	1	↔	↔	○
347-350	↔	2	5	1		1	1	1	1	1	↔	↔	○
351-354	↔	1	5	1		1	1	1	1	1	↔	↔	○
355-358	↔	2	5	1		1	1	1	1	1	↔	↔	○
359-362	↔	1	5	1		1	1	1	1	1	↔	↔	○
363-366	↔	2	5	1		1	1	1	1	1	↔	↔	○
367-370	↔	1	5	1		1	1	1	1	1	↔	↔	○
371-374	↔	2	5	1		1	1	1	1	1	↔	↔	○
375-378	↔	1	5	1		1	1	1	1	1	↔	↔	○
379-382	↔	2	5	1		1	1	1	1	1	↔	↔	○
383-386	↔	1	5	1		1	1	1	1	1	↔	↔	○
387-390	↔	2	5	1		1	1	1	1	1	↔	↔	○
391-394	↔	1	5	1		1	1	1	1	1	↔	↔	○
395-398	↔	2	5	1		1	1	1	1	1	↔	↔	○
399-402	↔	1	5	1		1	1	1	1	1	↔	↔	○
403-406	↔	2	5	1		1	1	1	1	1	↔	↔	○
407-410	↔	1	5	1		1	1	1	1	1	↔	↔	○
411-414	↔	2	5	1		1	1	1	1	1	↔	↔	○
415-418	↔	1	5	1		1	1	1	1	1	↔	↔	○
419-422	↔	2	5	1		1	1	1	1	1	↔	↔	○
423-426	↔	1	5	1		1	1	1	1	1	↔	↔	○
427-430	↔	2	5	1		1	1	1	1	1	↔	↔	○
431-434	↔	1	5	1		1	1	1	1	1	↔	↔	○
435-438	↔	2	5	1		1	1	1	1	1	↔	↔	○
439-442	↔	1	5	1		1	1						

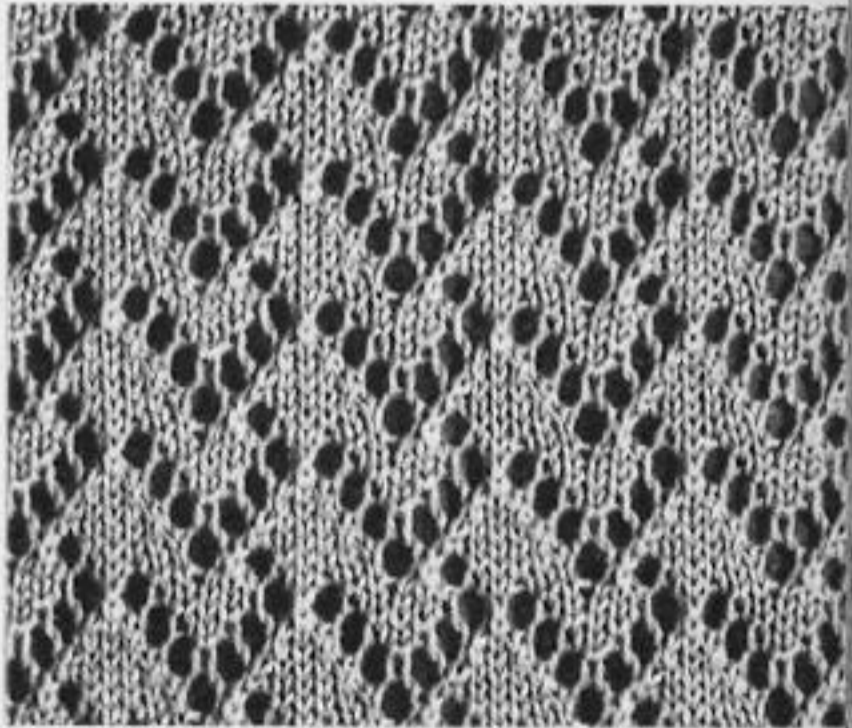
Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage
Carriage Direction						1 2 3 4 5 6 7 8				
Color										
Tension Dial										
H. C. L. Left										
TUCK PLAIN PART										
H. C. L. Right										
Weaving Apparatus										
Apparatus										
8 sts. 2 row=1 pattern										
Weaving Thread										
Dir. of L. Carriage										
Symbols of Stitch										



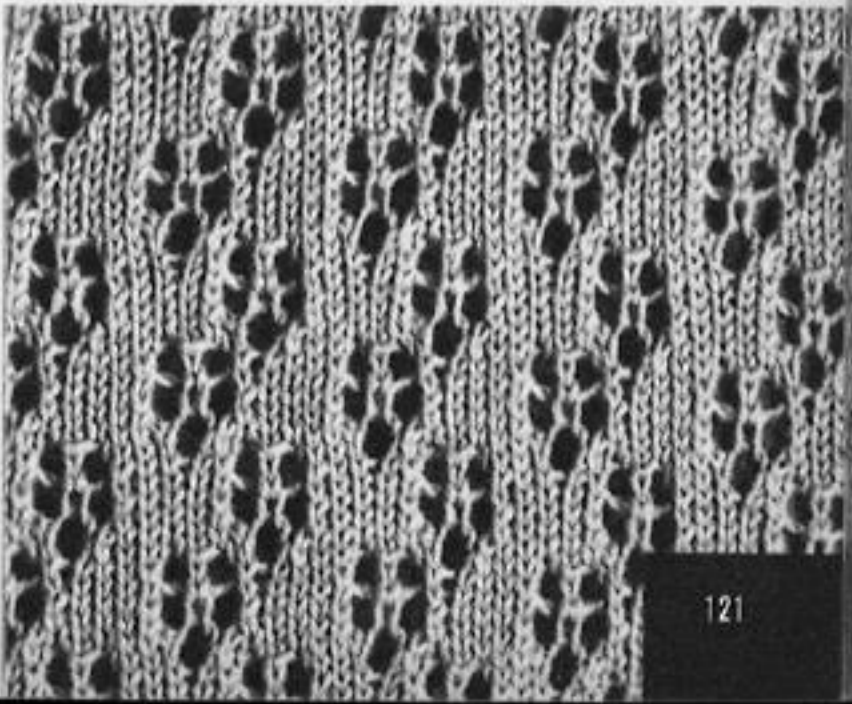
Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage
Carriage Direction						1 2 3 4 5 6 7 8				
Color										
Tension Dial										
H. C. L. Left										
TUCK PLAIN PART										
H. C. L. Right										
Weaving Apparatus										
Apparatus										
8 sts. 12 row=1 pattern										
Weaving Thread										
Dir. of L. Carriage										
Symbols of Stitch										

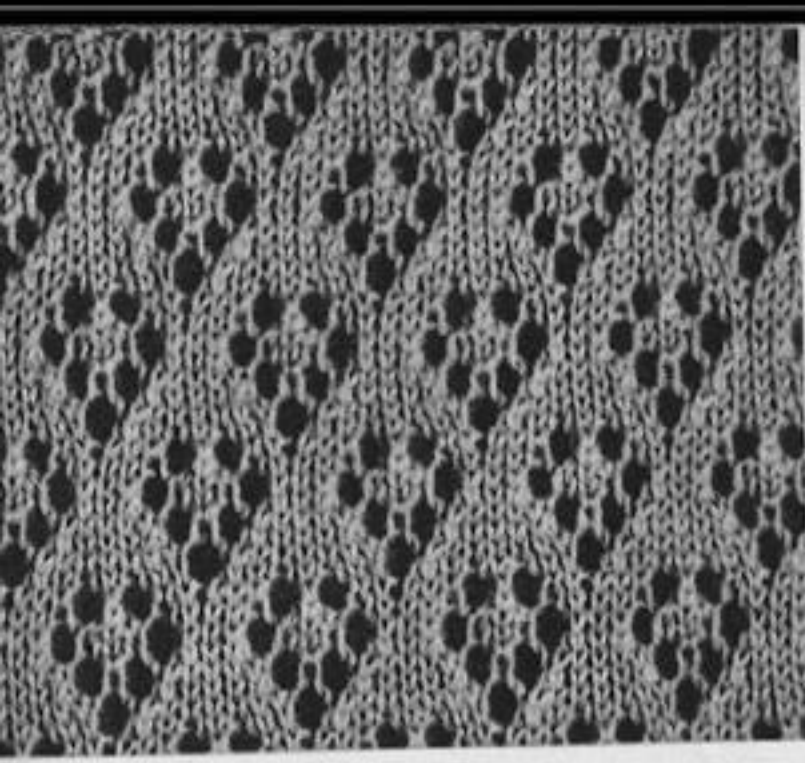


Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage
Carriage Direction						1 2 3 4 5 6 7 8				
Color										
Tension Dial										
H. C. L. Left										
TUCK PLAIN PART										
H. C. L. Right										
Weaving Apparatus										
Apparatus										
8 sts. 8 row=1 pattern										
Weaving Thread										
Dir. of L. Carriage										
Symbols of Stitch										



Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage
Carriage Direction						1 2 3 4 5 6 7 8				
Color										
Tension Dial										
H. C. L. Left										
TUCK PLAIN PART										
H. C. L. Right										
Weaving Apparatus										
Apparatus										
8 sts. 12 row=1 pattern										
Weaving Thread										
Dir. of L. Carriage										
Symbols of Stitch										





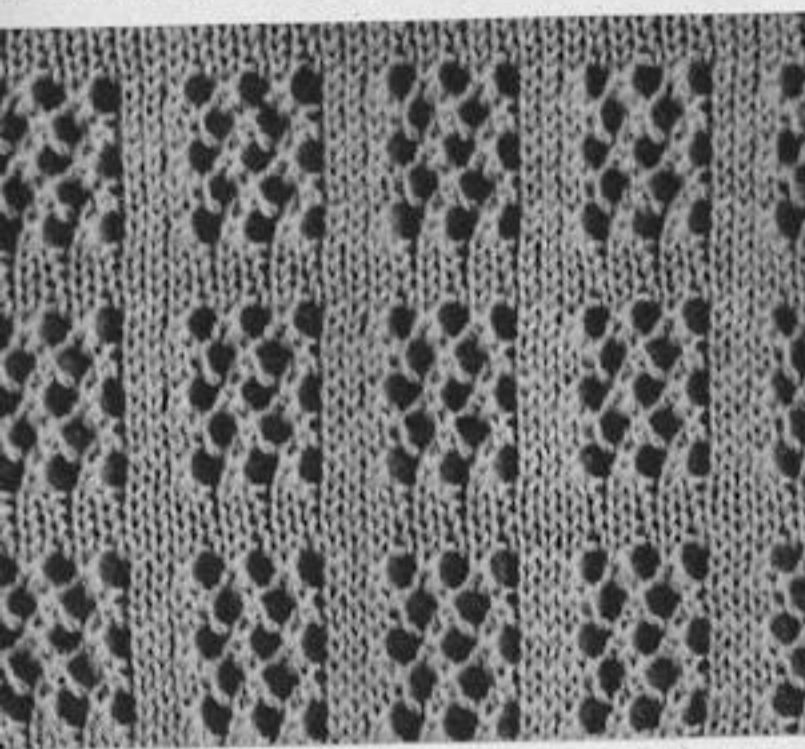
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L. Carriage
14	↔	•	•	•	•	•	•	•	•									•	↔
13	↔	•	•	•	•	•	•	•	•									•	↔
12	↔	•	•	•	•	•	•	•	•									•	↔
11	↔	•	•	•	•	•	•	•	•									•	↔
10	↔	•	•	•	•	•	•	•	•									•	↔
9	↔	•	•	•	•	•	•	•	•									•	↔
8	↔	•	•	•	•	•	•	•	•									•	↔
7	↔	•	•	•	•	•	•	•	•									•	↔
6	↔	•	•	•	•	•	•	•	•									•	↔
5	↔	•	•	•	•	•	•	•	•									•	↔
4	↔	•	•	•	•	•	•	•	•									•	↔
3	↔	•	•	•	•	•	•	•	•									•	↔
2	↔	•	•	•	•	•	•	•	•									•	↔
1	↔	•	•	•	•	•	•	•	•									•	↔

Carriage

Apparatus

8 sts. 16 row = 1 pattern

Symbols of Stitch



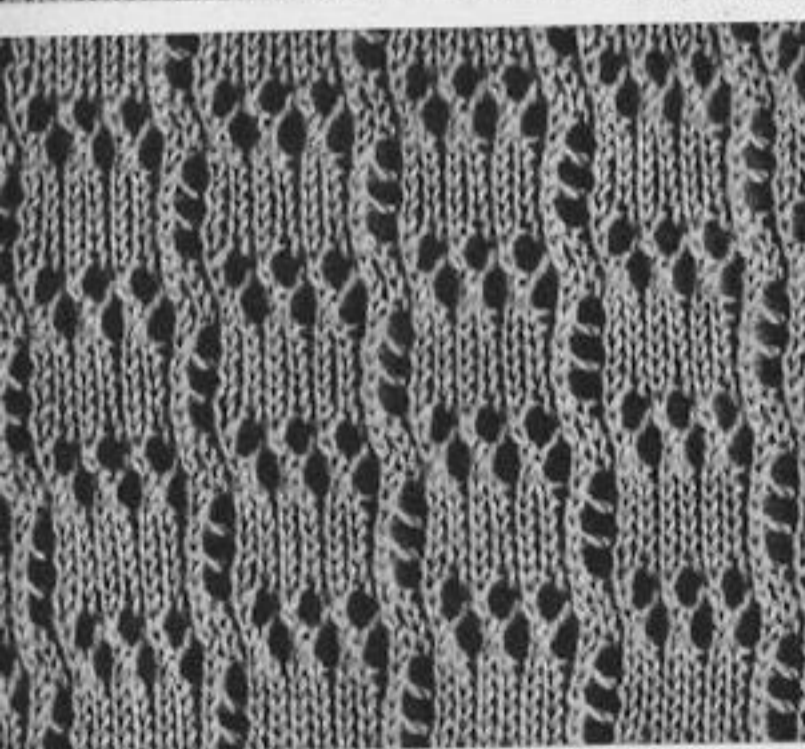
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L. Carriage
7	↔	•	•	•	•	•	•	•	•									•	↔
6	↔	•	•	•	•	•	•	•	•									•	↔
5	↔	•	•	•	•	•	•	•	•									•	↔
4	↔	•	•	•	•	•	•	•	•									•	↔
3	↔	•	•	•	•	•	•	•	•									•	↔
2	↔	•	•	•	•	•	•	•	•									•	↔
1	↔	•	•	•	•	•	•	•	•									•	↔

Carriage

Apparatus

8 sts. 14 row = 1 pattern

Symbols of Stitch



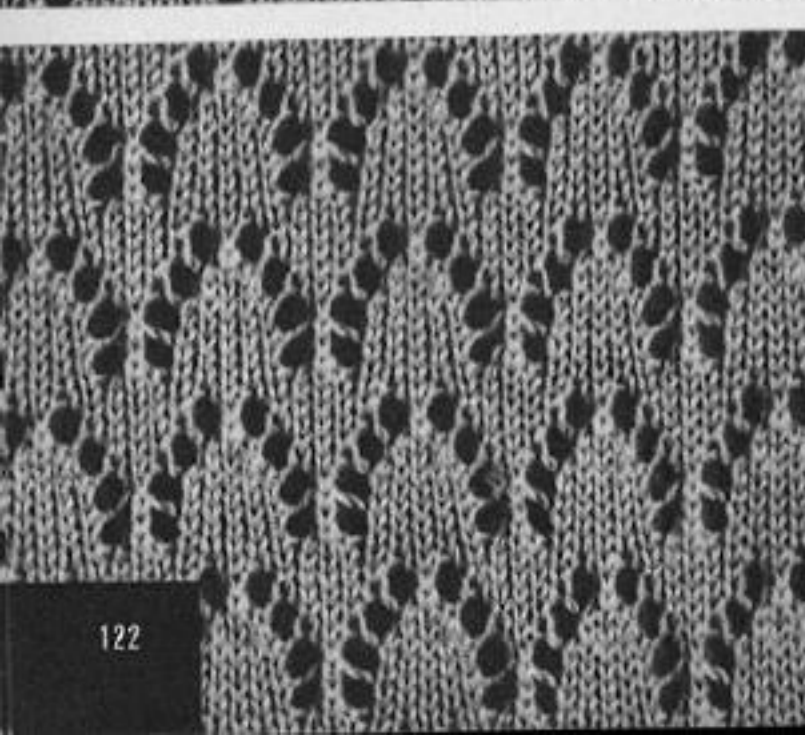
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L. Carriage
5	↔	•	•	•	•	•	•	•	•									•	↔
4	↔	•	•	•	•	•	•	•	•									•	↔
3	↔	•	•	•	•	•	•	•	•									•	↔
2	↔	•	•	•	•	•	•	•	•									•	↔
1	↔	•	•	•	•	•	•	•	•									•	↔

Carriage

Apparatus

8 sts. 10 row = 1 pattern

Symbols of Stitch



Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L. Carriage
4	↔	•	•	•	•	•	•	•	•									•	↔
3	↔	•	•	•	•	•	•	•	•									•	↔
2	↔	•	•	•	•	•	•	•	•									•	↔
1	↔	•	•	•	•	•	•	•	•									•	↔

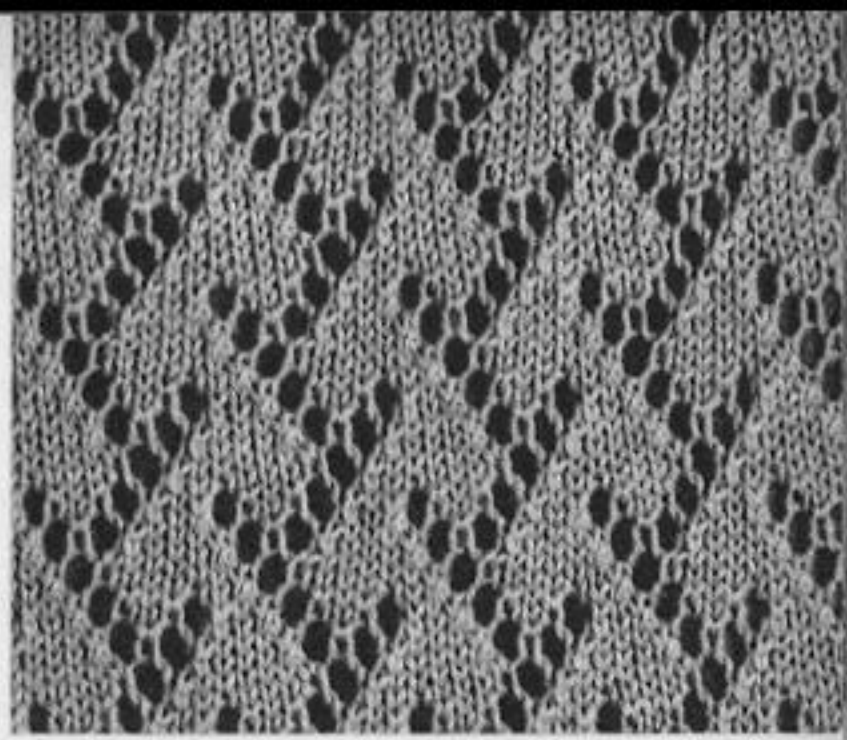
Carriage

Apparatus

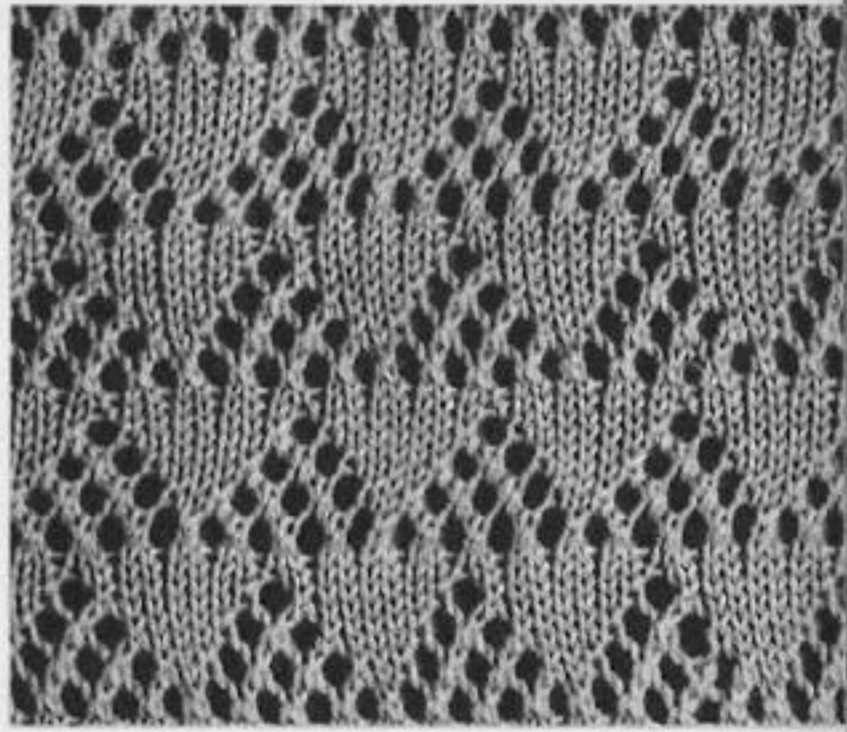
8 sts. 10 row = 1 pattern

Symbols of Stitch

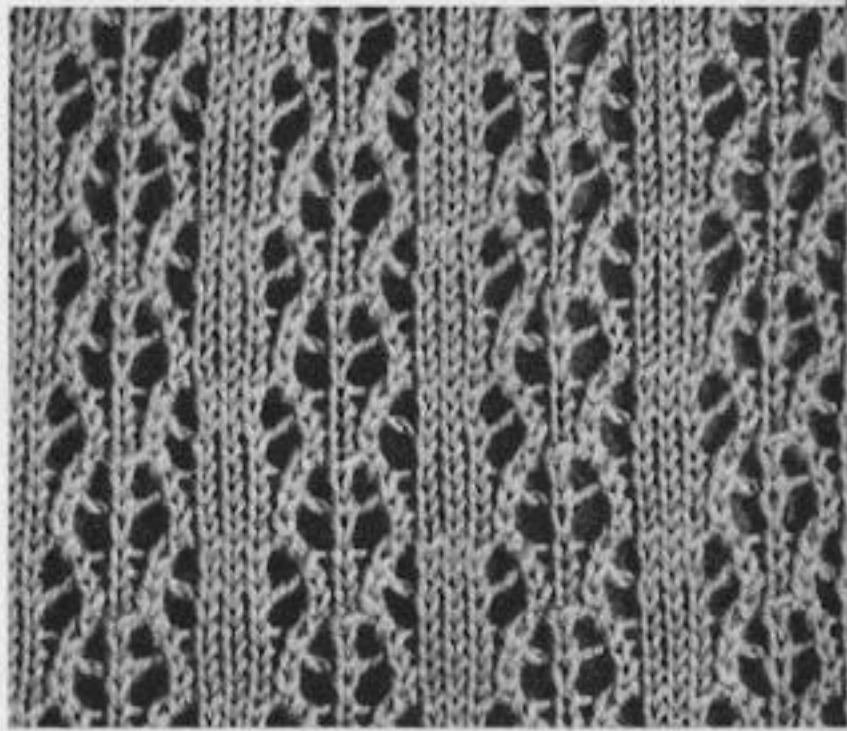
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1
2	→	1	1	1	1	1	1	1	1	1	1	1	1	1
3	→	1	1	1	1	1	1	1	1	1	1	1	1	1
4	→	1	1	1	1	1	1	1	1	1	1	1	1	1
5	→	1	1	1	1	1	1	1	1	1	1	1	1	1
6	→	1	1	1	1	1	1	1	1	1	1	1	1	1
7	→	1	1	1	1	1	1	1	1	1	1	1	1	1
8	→	1	1	1	1	1	1	1	1	1	1	1	1	1
Apparatus													Symbols of Stitch	
8 sts, 12 row = 1 pattern														



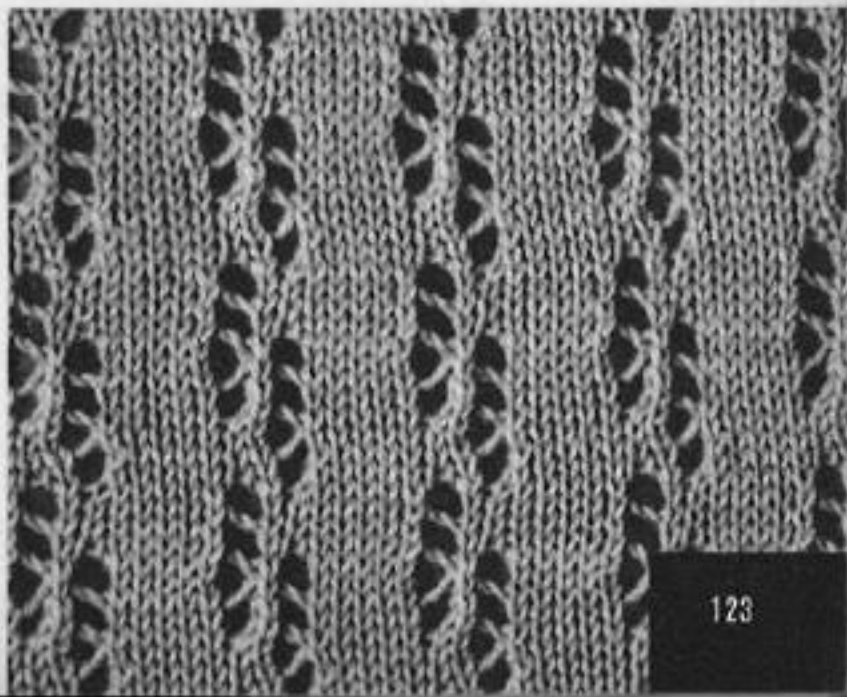
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1
2	→	1	1	1	1	1	1	1	1	1	1	1	1	1
3	→	1	1	1	1	1	1	1	1	1	1	1	1	1
4	→	1	1	1	1	1	1	1	1	1	1	1	1	1
5	→	1	1	1	1	1	1	1	1	1	1	1	1	1
6	→	1	1	1	1	1	1	1	1	1	1	1	1	1
7	→	1	1	1	1	1	1	1	1	1	1	1	1	1
8	→	1	1	1	1	1	1	1	1	1	1	1	1	1
Apparatus													Symbols of Stitch	
8 sts, 20 row = 1 pattern														



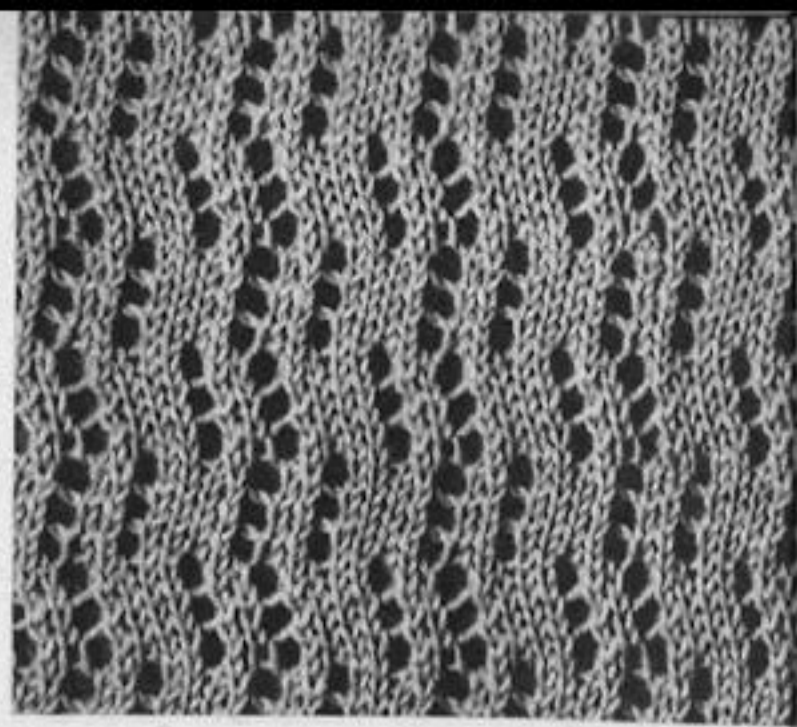
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1
2	→	1	1	1	1	1	1	1	1	1	1	1	1	1
3	→	1	1	1	1	1	1	1	1	1	1	1	1	1
4	→	1	1	1	1	1	1	1	1	1	1	1	1	1
5	→	1	1	1	1	1	1	1	1	1	1	1	1	1
6	→	1	1	1	1	1	1	1	1	1	1	1	1	1
7	→	1	1	1	1	1	1	1	1	1	1	1	1	1
8	→	1	1	1	1	1	1	1	1	1	1	1	1	1
Apparatus													Symbols of Stitch	
8 sts, 8 row = 1 pattern														



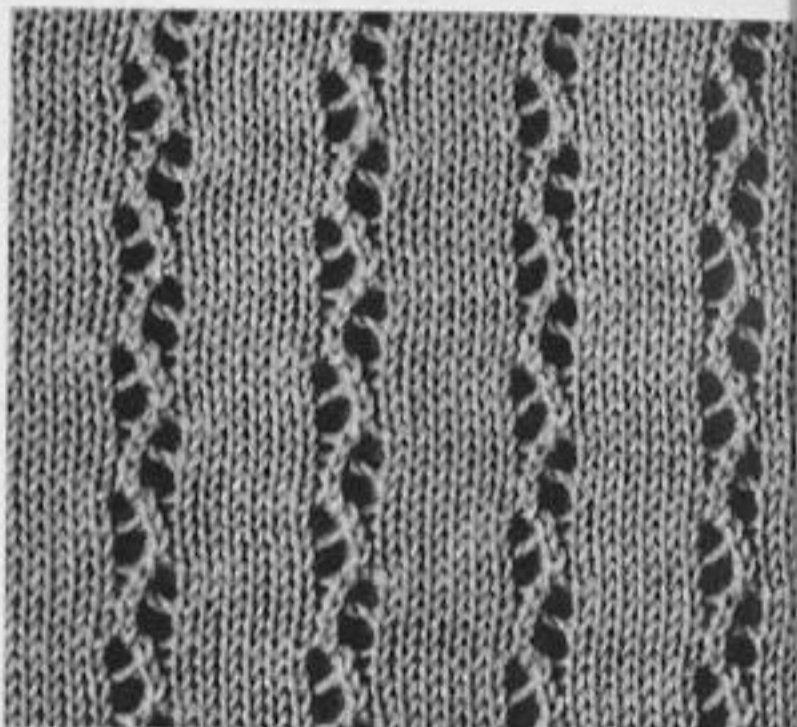
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1
2	→	1	1	1	1	1	1	1	1	1	1	1	1	1
3	→	1	1	1	1	1	1	1	1	1	1	1	1	1
4	→	1	1	1	1	1	1	1	1	1	1	1	1	1
5	→	1	1	1	1	1	1	1	1	1	1	1	1	1
6	→	1	1	1	1	1	1	1	1	1	1	1	1	1
7	→	1	1	1	1	1	1	1	1	1	1	1	1	1
8	→	1	1	1	1	1	1	1	1	1	1	1	1	1
Apparatus													Symbols of Stitch	
8 sts, 12 row = 1 pattern														



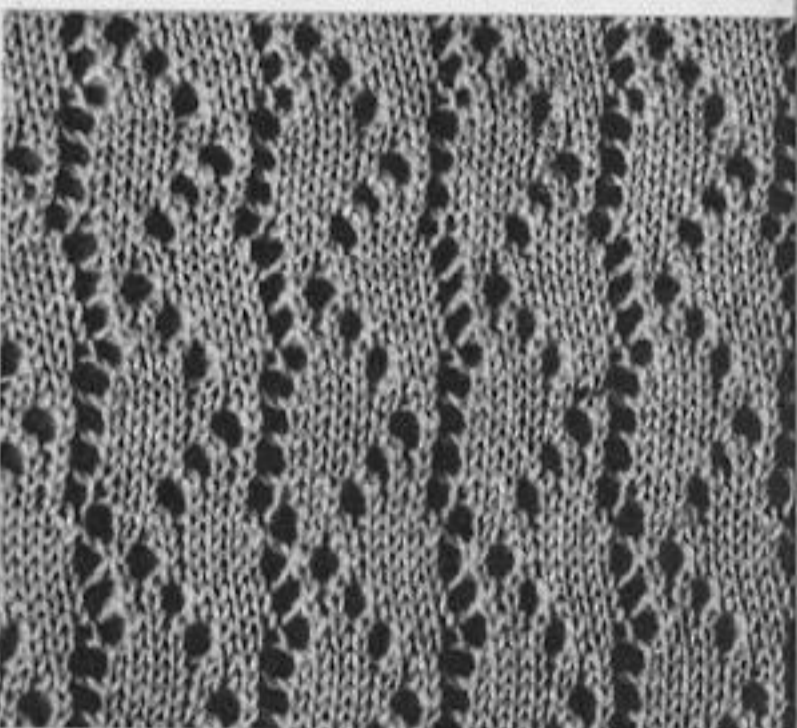
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch	
1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	
Carriage										Apparatus			8 sts, 12 row = 1 pattern		1 2 3 4 5 6 7 8	
										Apparatus			8 sts, 12 row = 1 pattern		1 2 3 4 5 6 7 8	



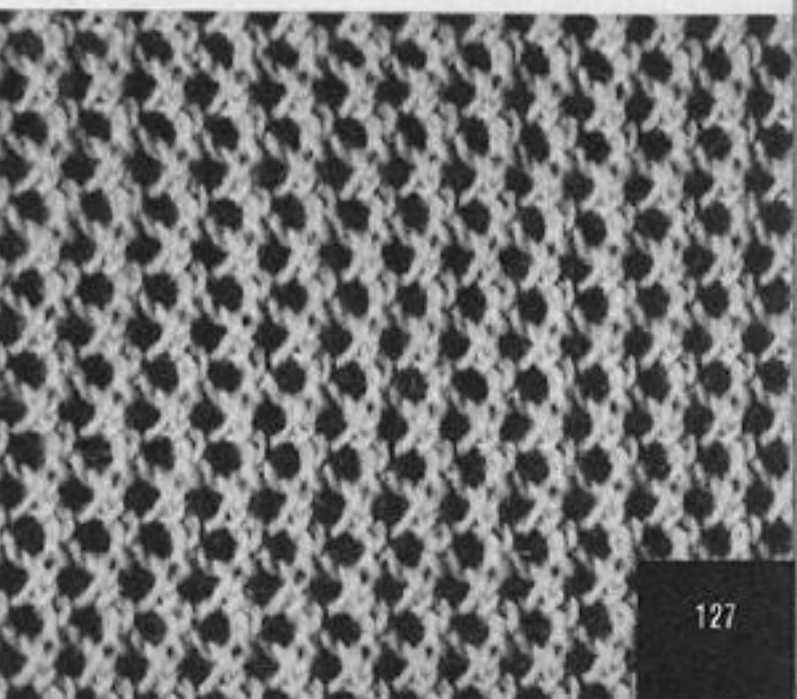
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch	
1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	
Carriage										Apparatus			8 sts, 8 row = 1 pattern		1 2 3 4 5 6 7 8	
										Apparatus			8 sts, 8 row = 1 pattern		1 2 3 4 5 6 7 8	

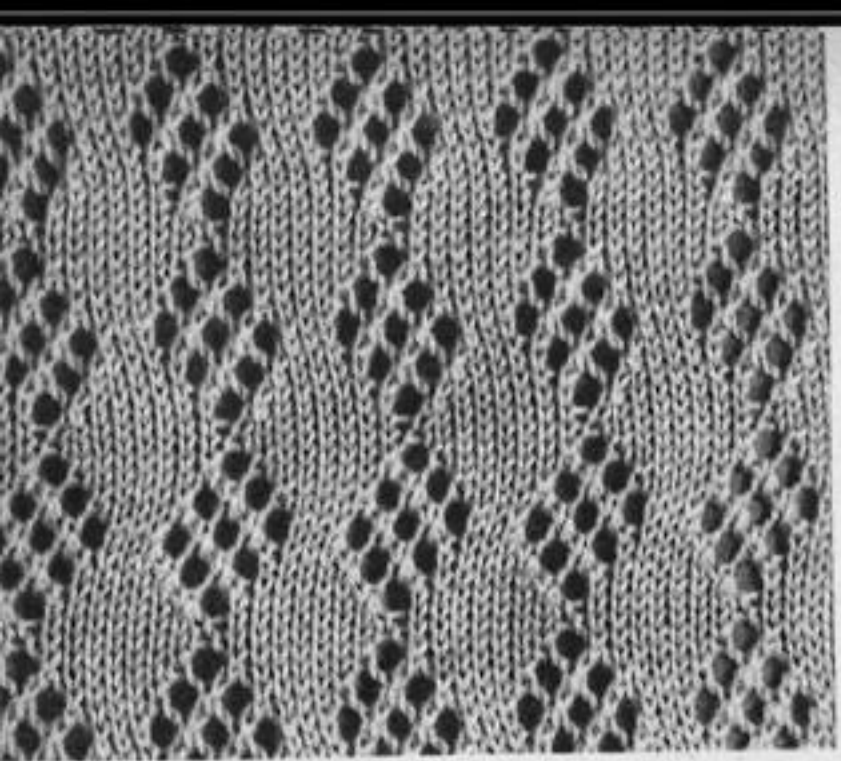


Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch	
1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	
Carriage										Apparatus			8 sts, 16 row = 1 pattern		1 2 3 4 5 6 7 8	
										Apparatus			8 sts, 16 row = 1 pattern		1 2 3 4 5 6 7 8	



Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch	
1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	1-8	
Carriage										Apparatus			2 sts, 4 row = 1 pattern		1 2 3 4 5 6 7 8	
										Apparatus			2 sts, 4 row = 1 pattern		1 2 3 4 5 6 7 8	



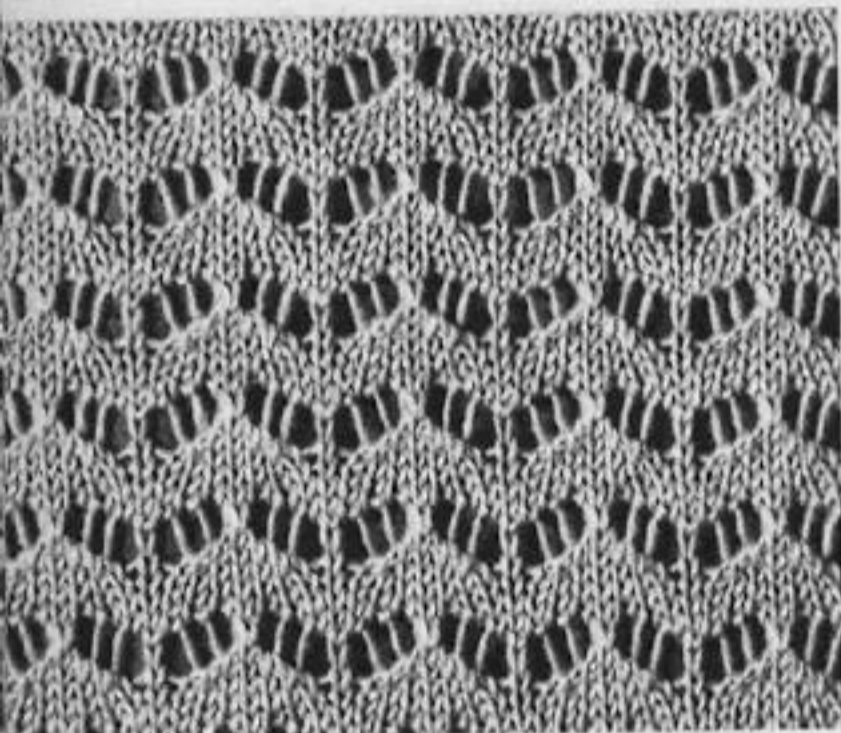


Steps	Carrriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L-Carrriage
12		*	5															↑	+
11		*	5											5				↑	+
10		*	5										4	5	6			↑	+
9		*	5										3	5	6	7		↑	+
8		*	5										4	5	6			↑	+
7		*	5											5				↑	+
6		*	5											5				↑	+
5		*	5										4	5	6			↑	+
4		*	5										3	5	6	7		↑	+
3		*	5										4	5	6			↑	+
2		*	5											5				↑	+
1		*	5															↑	+

Apparatus: 8 sts, 24 row=1 pattern

1	2	3	4	5	6	7	8
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Symbols of Stitch: X, O, A

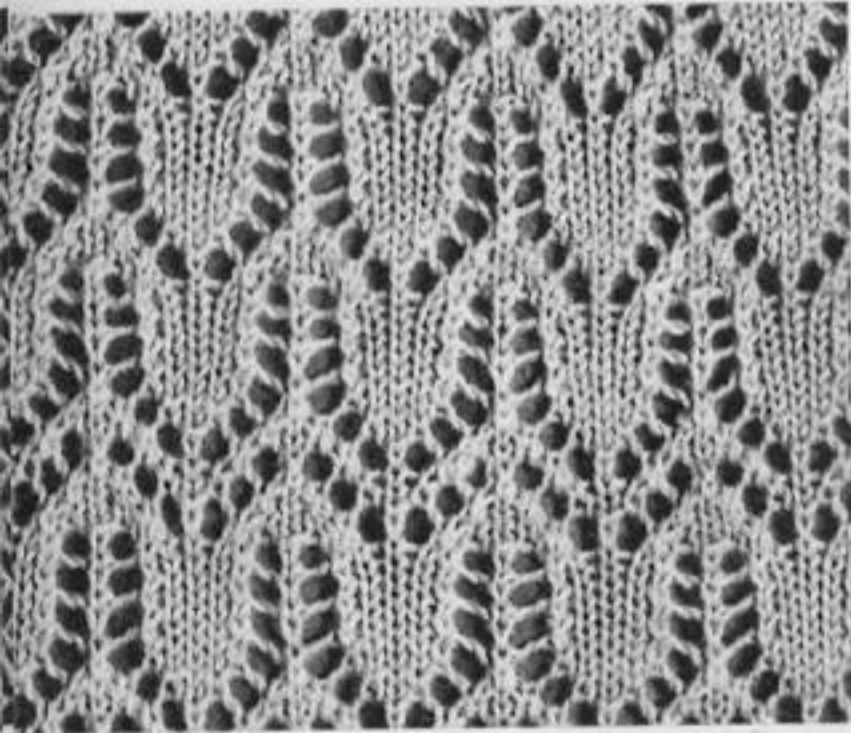


Steps	Carrriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L-Carrriage
7		*	5															↑	+
6		*	5															↑	+
5		*	5															↑	+
4		*	5															↑	+
3		*	5															↑	+
2		*	5															↑	+
1		*	5															↑	+

Apparatus: 8 sts, 6 row=1 pattern

1	2	3	4	5	6	7	8
1							
2							
3							
4							
5							
6							
7							
8							

Symbols of Stitch: X, O, A

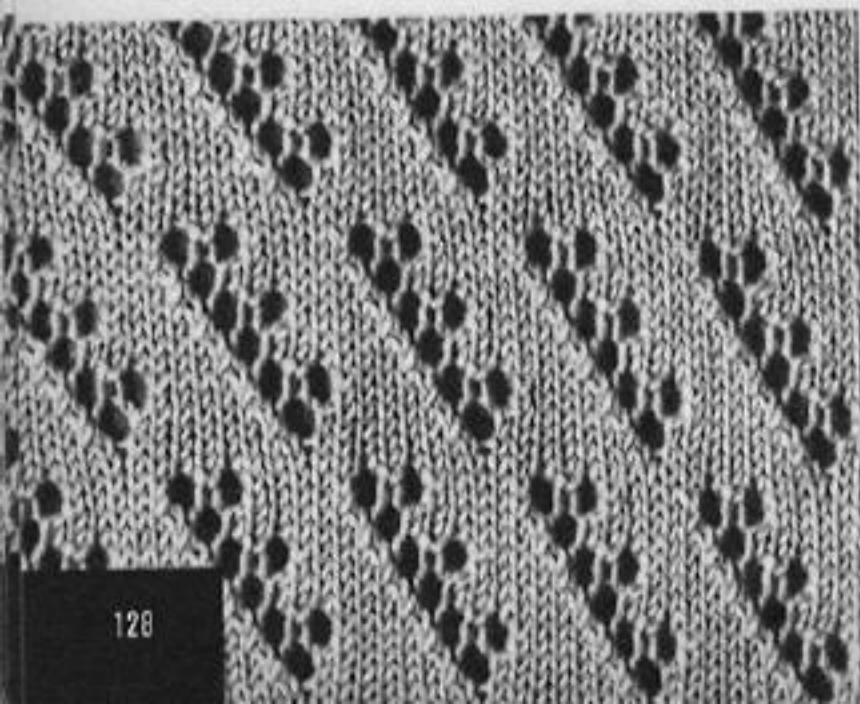


Steps	Carrriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L-Carrriage
16		*	5															↑	+
15		*	5															↑	+
14		*	5															↑	+
13		*	5															↑	+
12		*	5															↑	+
11		*	5															↑	+
10		*	5															↑	+
9		*	5															↑	+
8		*	5															↑	+
7		*	5															↑	+
6		*	5															↑	+
5		*	5															↑	+
4		*	5															↑	+
3		*	5															↑	+
2		*	5															↑	+
1		*	5															↑	+

Apparatus: 8 sts, 16 row=1 pattern

1	2	3	4	5	6	7	8
1							
2							
3							
4							
5							
6							
7							
8							

Symbols of Stitch: X, O, A



Steps	Carrriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L-Carrriage
10		*	5															↑	+
9		*	5															↑	+
8		*	5															↑	+
7		*	5															↑	+
6		*	5															↑	+
5		*	5															↑	+
4		*	5															↑	+
3		*	5															↑	+
2		*	5															↑	+
1		*	5															↑	+

Apparatus: 8 sts, 14 row=1 pattern

1	2	3	4	5	6	7	8
1							
2							
3							
4							
5							
6							
7							
8							

Symbols of Stitch: X, O, A

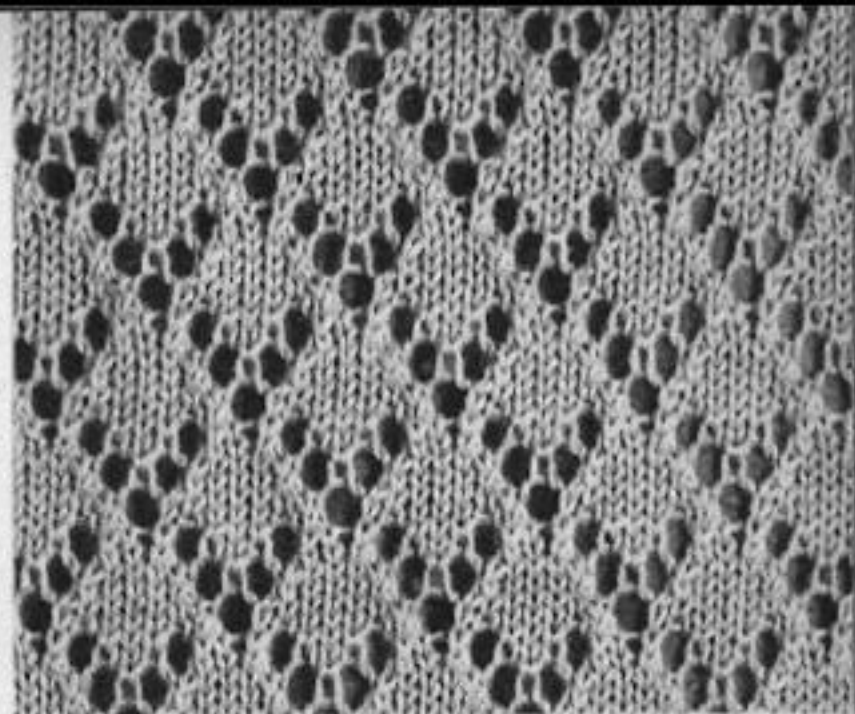
557

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Needle Selection							
Reverse Knob							
Slide Dial							
Apparatus							
8 sts. 12 row = 1 pattern							
Weaving Thread		Dir. of L. Carriage					

1	2	3	4	5	6	7	8
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○

Symbols of Stitch



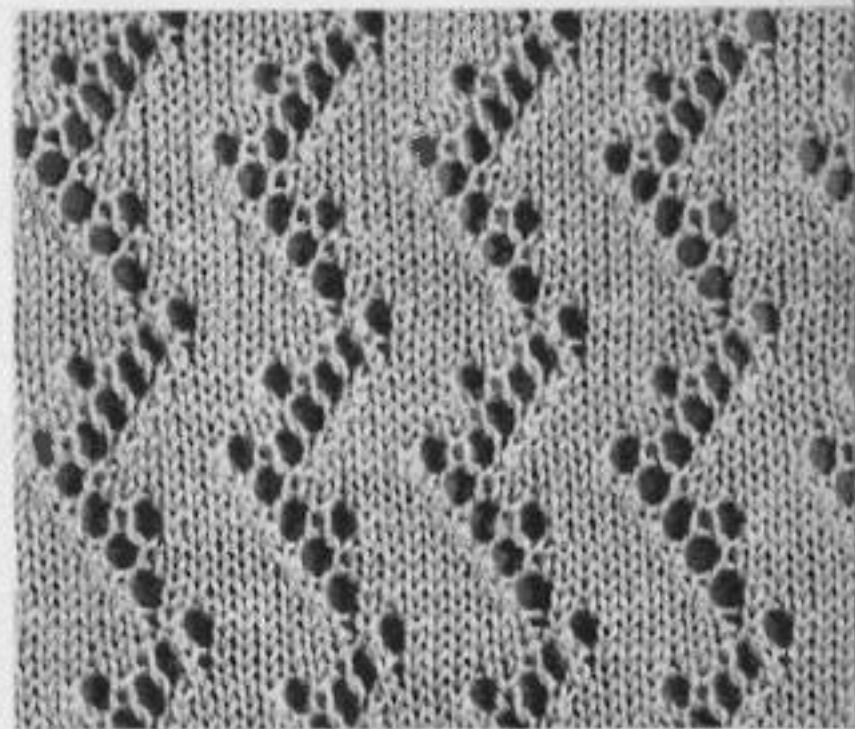
558

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Needle Selection							
Reverse Knob							
Slide Dial							
Apparatus							
8 sts. 18 row = 1 pattern							
Weaving Thread		Dir. of L. Carriage					

1	2	3	4	5	6	7	8
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○

Symbols of Stitch



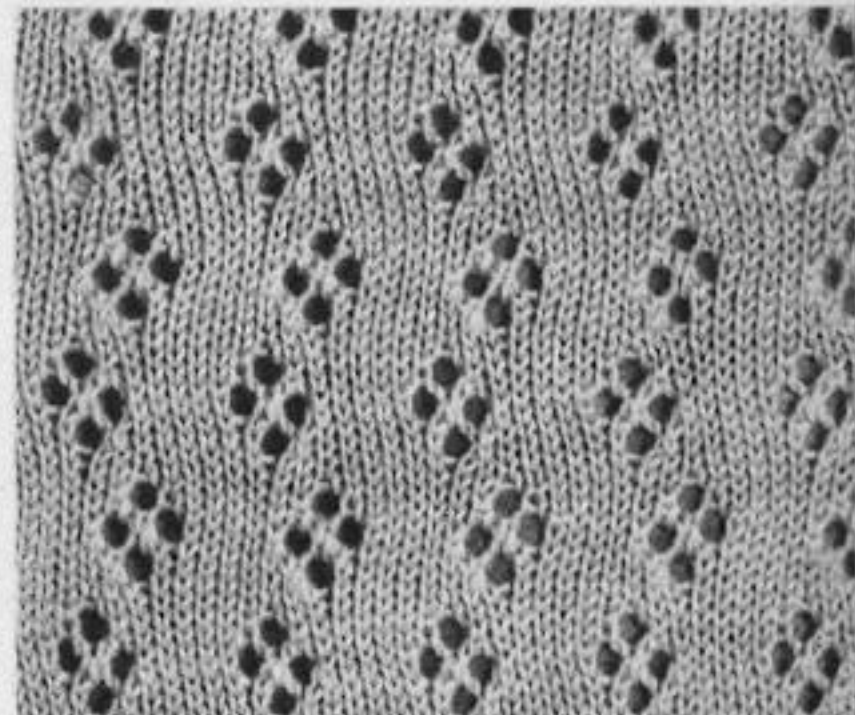
559

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

Needle Selection							
Reverse Knob							
Slide Dial							
Apparatus							
8 sts. 16 row = 1 pattern							
Weaving Thread		Dir. of L. Carriage					

1	2	3	4	5	6	7	8
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○

Symbols of Stitch



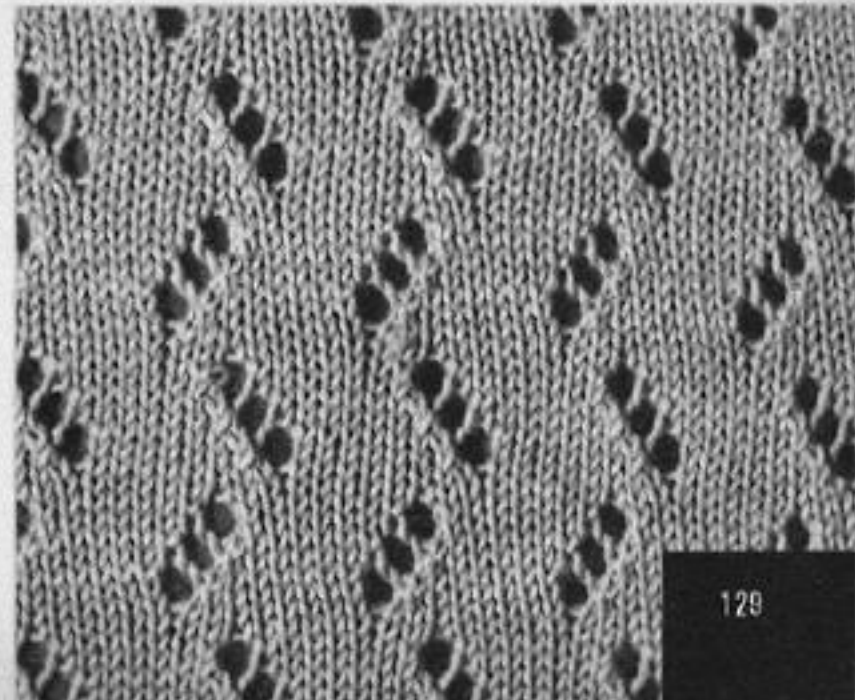
560

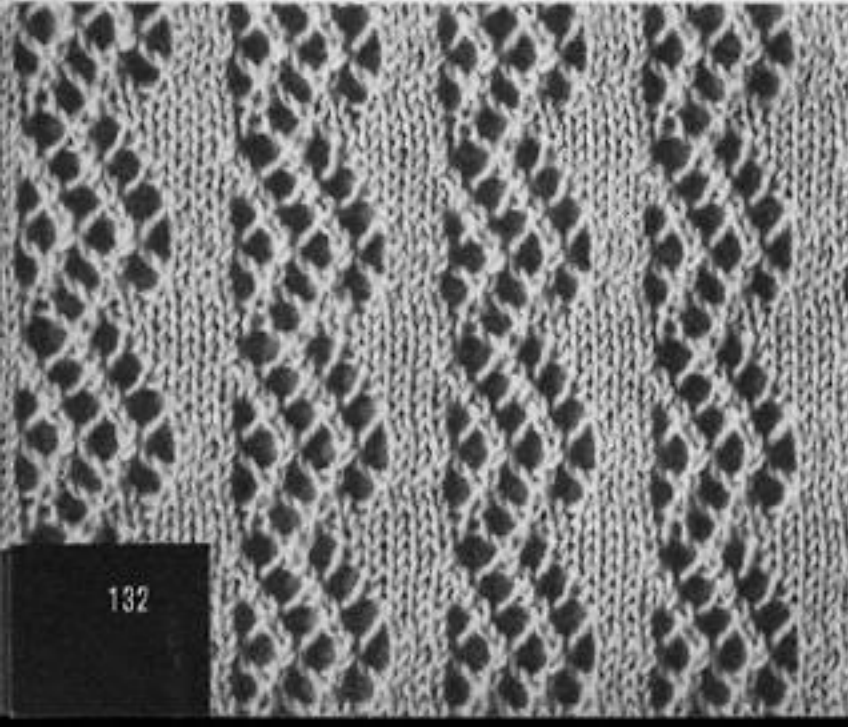
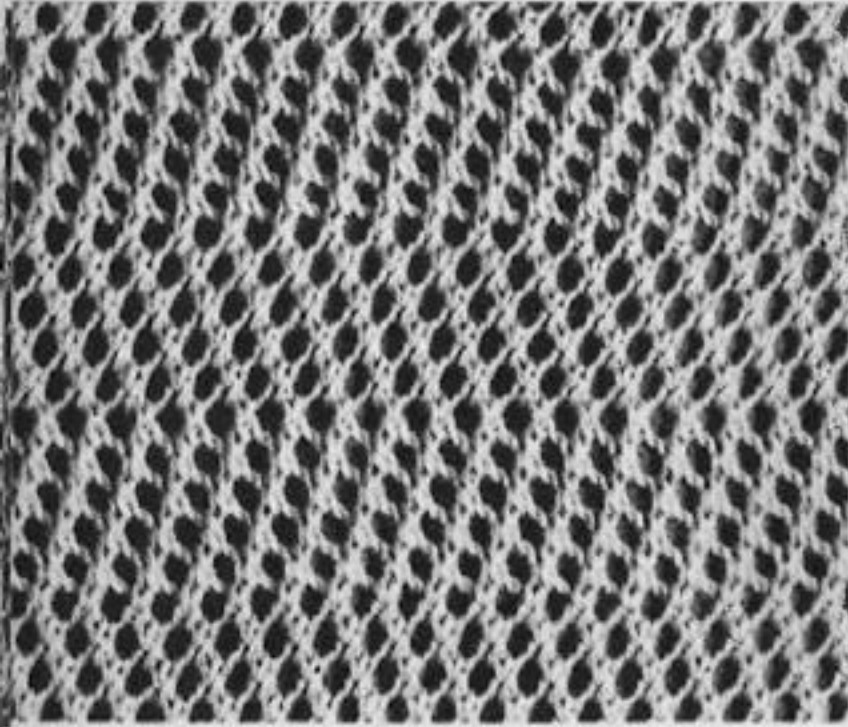
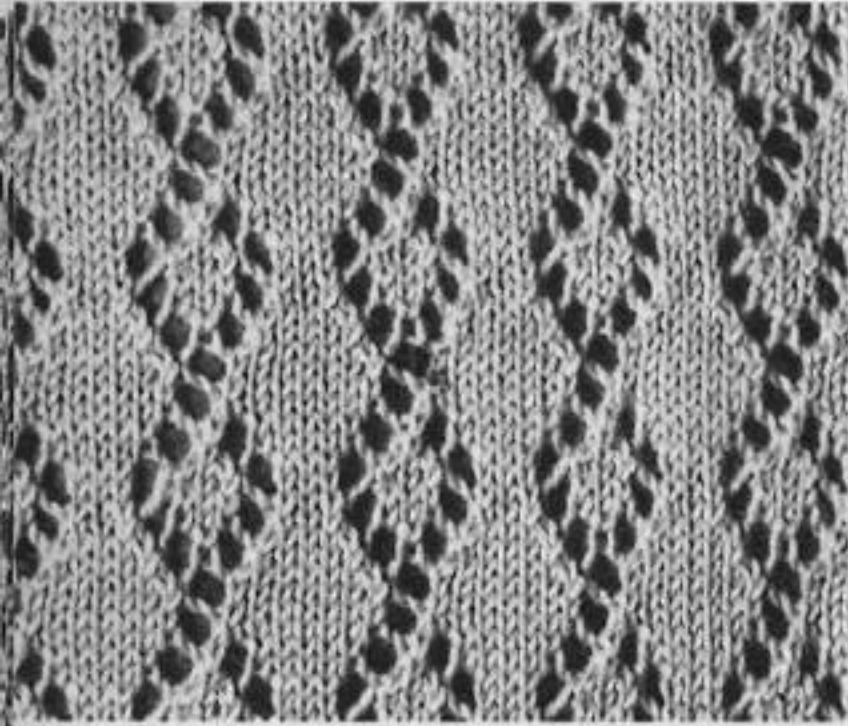
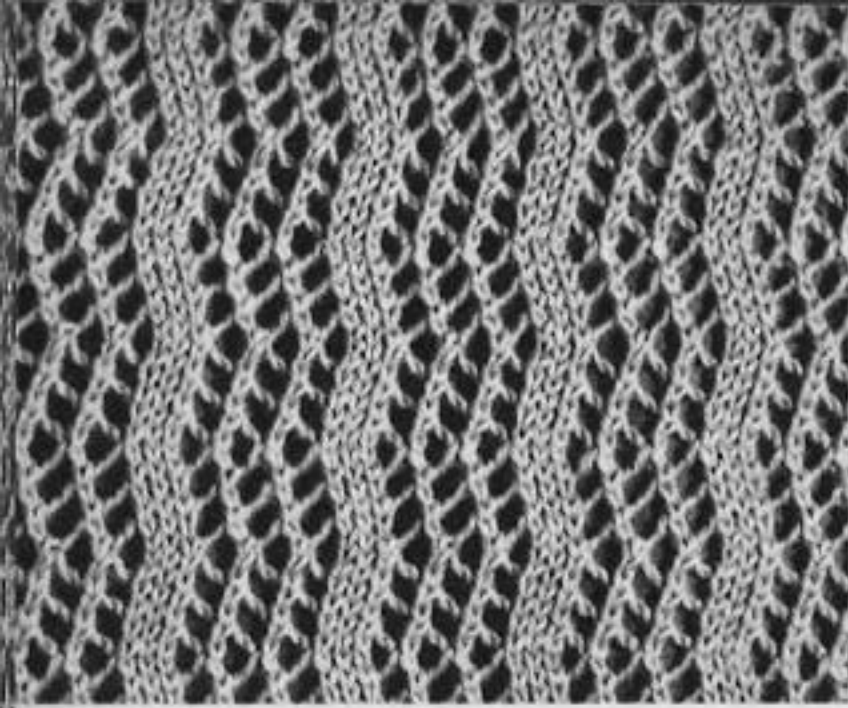
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

Needle Selection							
Reverse Knob							
Slide Dial							
Apparatus							
8 sts. 16 row = 1 pattern							
Weaving Thread		Dir. of L. Carriage					

1	2	3	4	5	6	7	8
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○

Symbols of Stitch





569

Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8
Carriage Direction													Symbols of Stitch
Apparatus													
8 sts, 6 row = 1 pattern													

570

Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8
Carriage Direction													Symbols of Stitch
Apparatus													
8 sts, 12 row = 1 pattern													

571

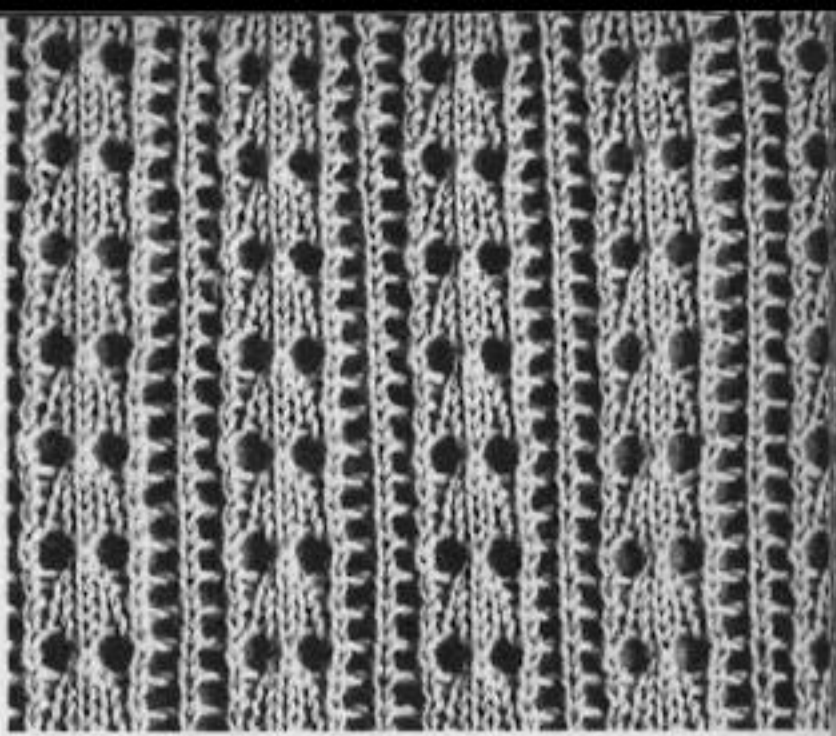
Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8
Carriage Direction													Symbols of Stitch
Apparatus													
2 sts, 20 row = 1 pattern													

572

Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8
Carriage Direction													Symbols of Stitch
Apparatus													
8 sts, 12 row = 1 pattern													

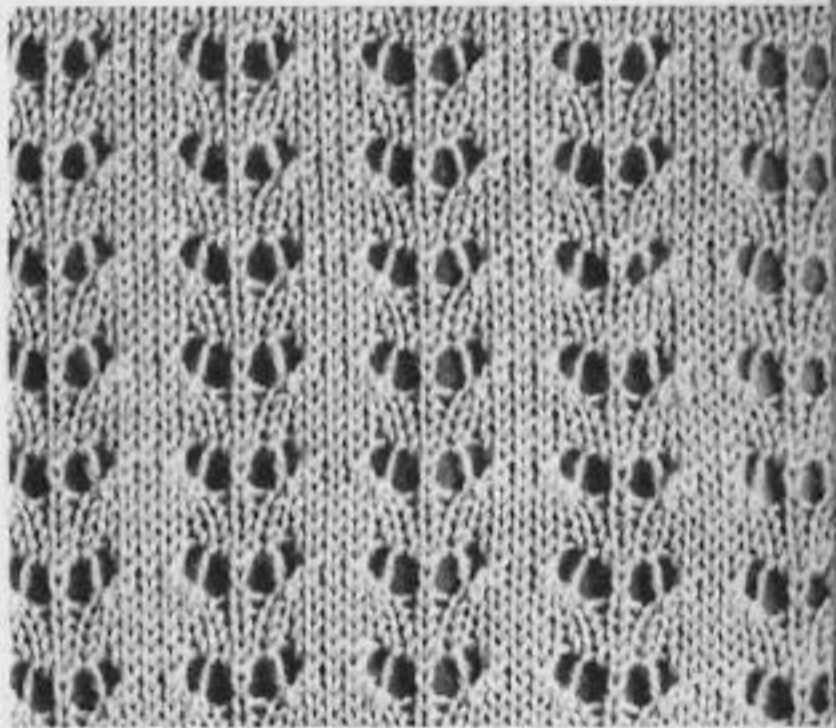
573

Steps	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Apparatus													8 sts. 6 row=1 pattern	
Carriage													Symbols of Stitch	



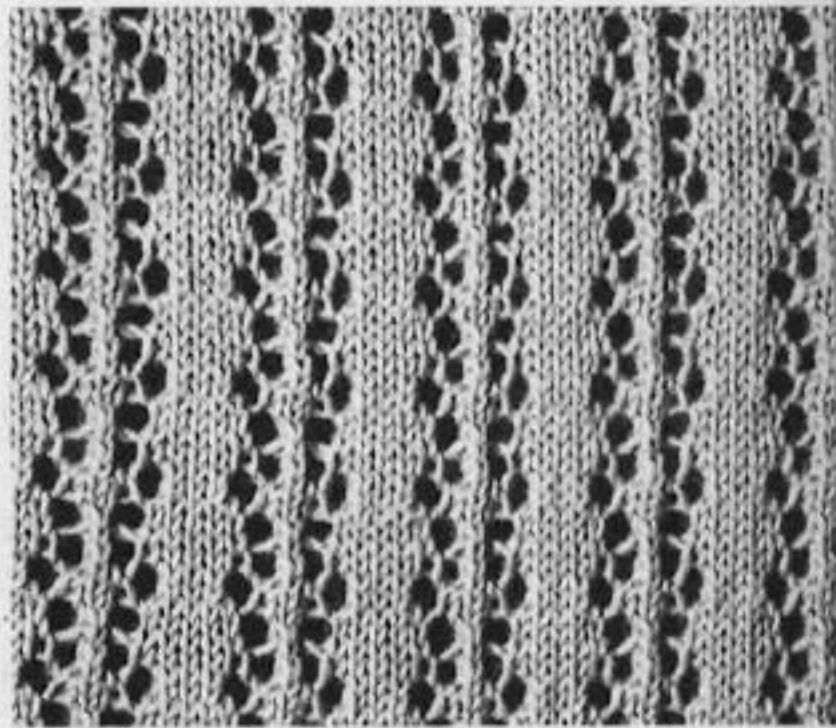
574

Steps	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Apparatus													8 sts. 6 row=1 pattern	
Carriage													Symbols of Stitch	



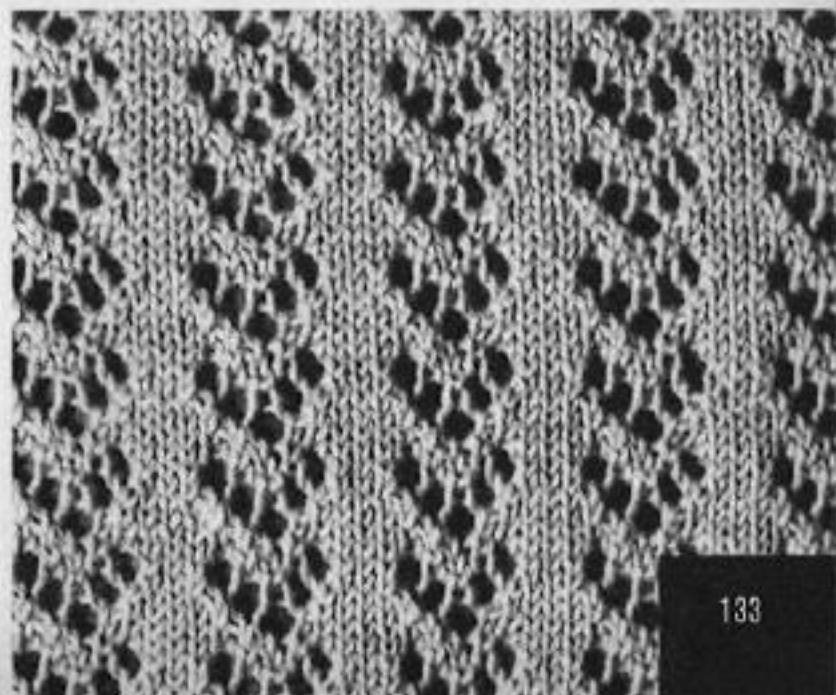
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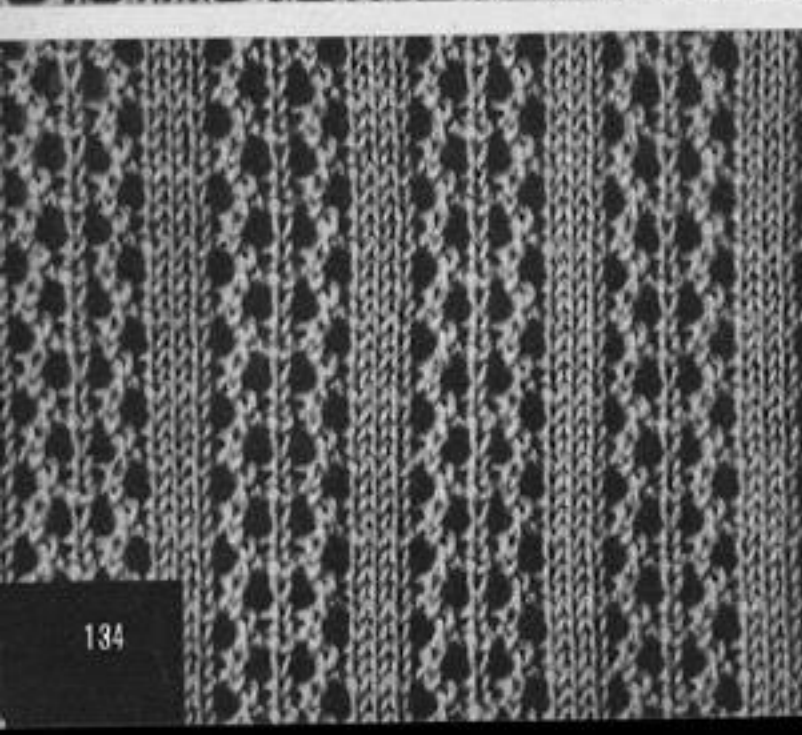
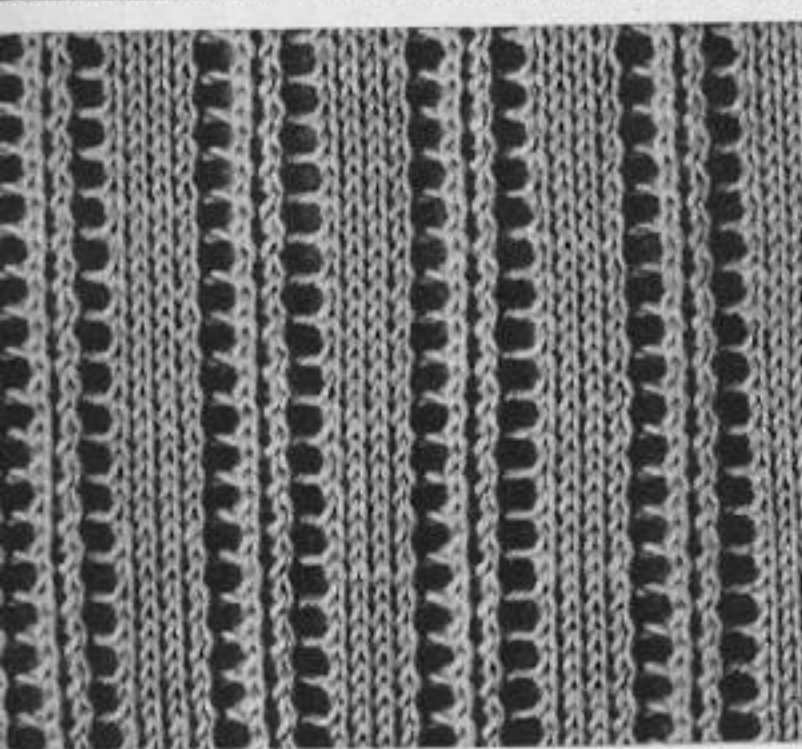
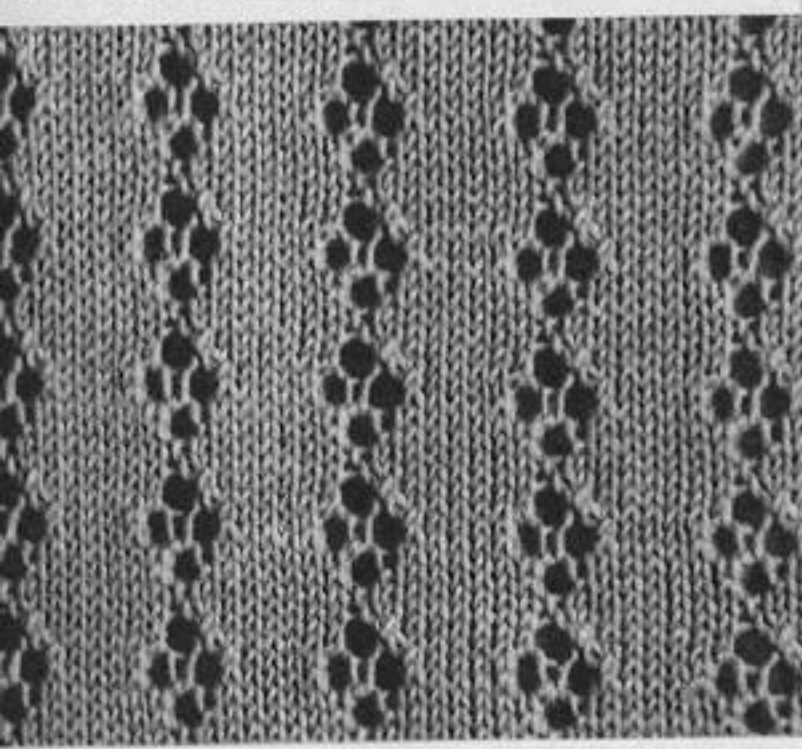
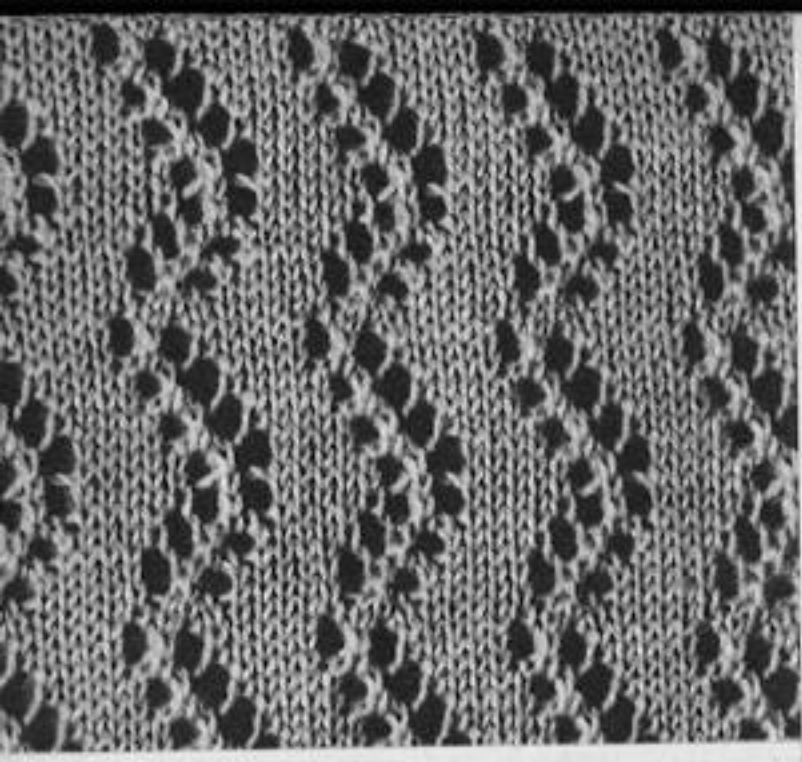
Steps	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Apparatus													8 sts. 6 row=1 pattern	
Carriage													Symbols of Stitch	



576

Steps	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Apparatus													8 sts. 6 row=1 pattern	
Carriage													Symbols of Stitch	





577

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
15	↔	1	5	1		1	Z	1		A	↔	↔	○
14	↔	1	5	1		1	Z	1		A	↔	↔	○
13	↔	1	5	1		1	Z	1		A	↔	↔	○
12	↔	1	5	1		1	Z	1		A	↔	↔	○
11	↔	1	5	1		1	Z	1		A	↔	↔	○
10	↔	1	5	1		1	Z	1		A	↔	↔	○
9	↔	1	5	1		1	Z	1		A	↔	↔	○
8	↔	1	5	1		1	Z	1		A	↔	↔	○
7	↔	1	5	1		1	Z	1		A	↔	↔	○
6	↔	1	5	1		1	Z	1		A	↔	↔	○
5	↔	1	5	1		1	Z	1		A	↔	↔	○
4	↔	1	5	1		1	Z	1		A	↔	↔	○
3	↔	1	5	1		1	Z	1		A	↔	↔	○
2	↔	1	5	1		1	Z	1		A	↔	↔	○
1	↔	1	5	1		1	Z	1		A	↔	↔	○
Apparatus												8 sts, 6 row = 1 pattern	

578

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
5	↔	1	5	1		1	Z	1		A	↔	↔	○
4	↔	1	5	1		1	Z	1		A	↔	↔	○
3	↔	1	5	1		1	Z	1		A	↔	↔	○
2	↔	1	5	1		1	Z	1		A	↔	↔	○
1	↔	1	5	1		1	Z	1		A	↔	↔	○
Apparatus												8 sts, 8 row = 1 pattern	

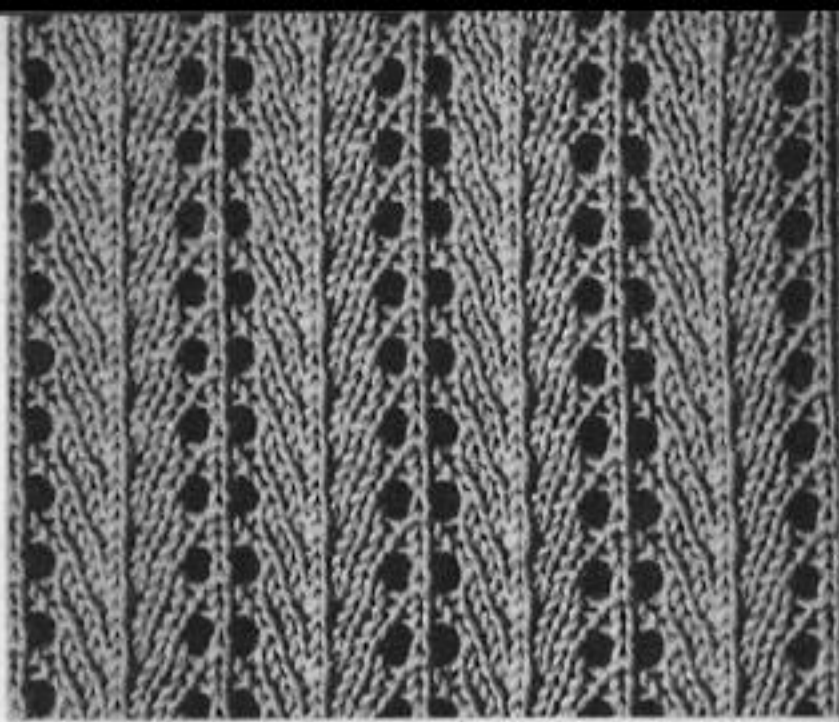
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Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
2	↔	1	5	1		1	Z	1		A	↔	↔	○
1	↔	1	5	1		1	Z	1		A	↔	↔	○
Apparatus												8 sts, 2 row = 1 pattern	

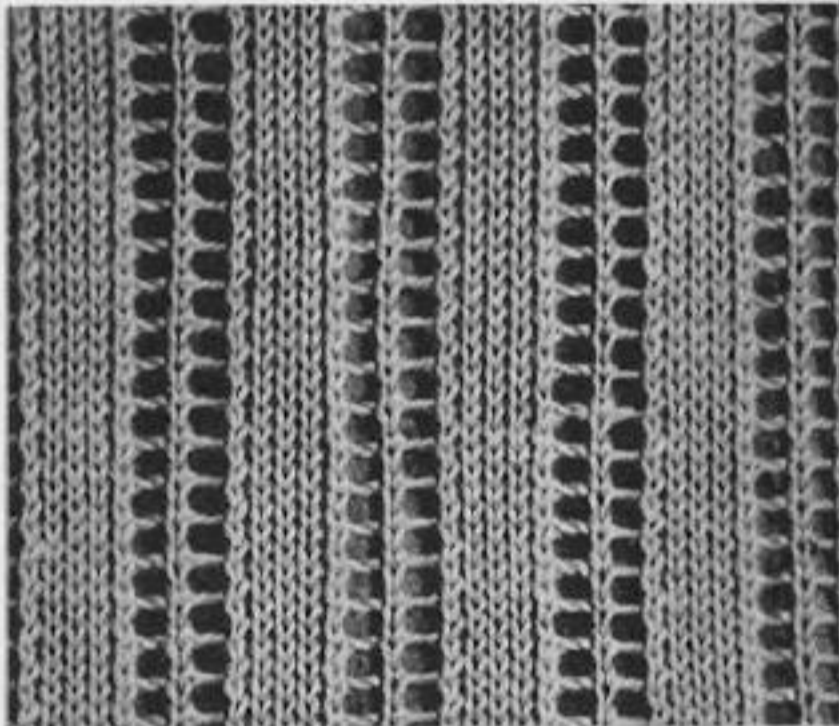
580

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
4	↔	1	5	1		1	Z	1		A	↔	↔	○
3	↔	1	5	1		1	Z	1		A	↔	↔	○
2	↔	1	5	1		1	Z	1		A	↔	↔	○
1	↔	1	5	1		1	Z	1		A	↔	↔	○
Apparatus												8 sts, 4 row = 1 pattern	

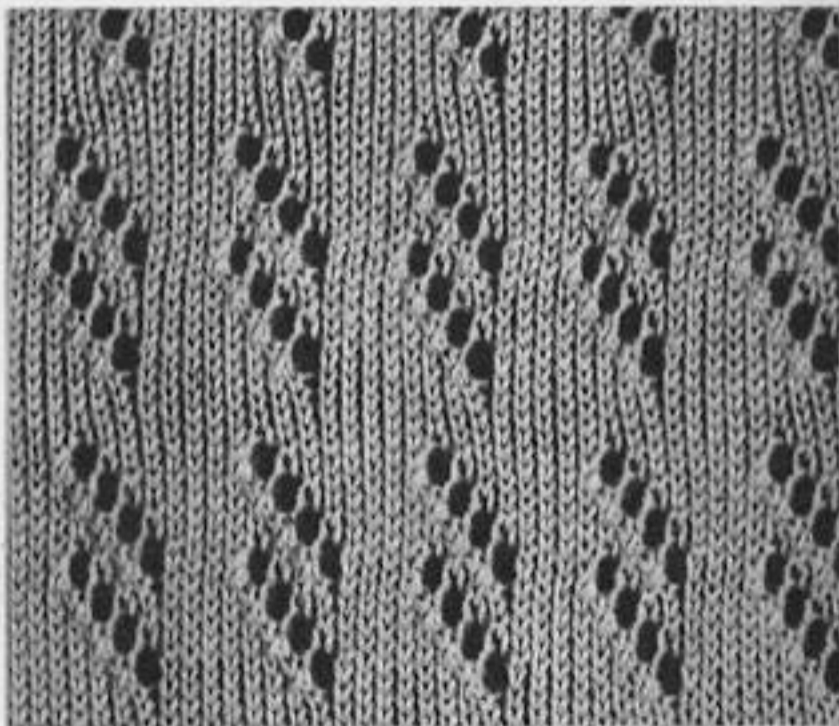
Steps	1	2	3	4	5	6	7	8												
Carriage Direction	P	P	P	P	P	P	P	P												
Color	2	5	1																	
Tension Dial	4	5	1																	
H. C. L. Left																				
Carriage		TUCK	PLAIN	PART																
H. C. L. Right									1	2	3	4	5	6	7	8				
Wearing Apparatus	Z																			
Apparatus		Needle Selection							Reverse Knob	Slide Dial										
8 sts. 4 row=1 pattern																				
Weaving Thread																				
Dir. of L. Carriage																				
Symbols of Stitch																				
1 2 3 4 5 6 7 8																				
X ◊																				



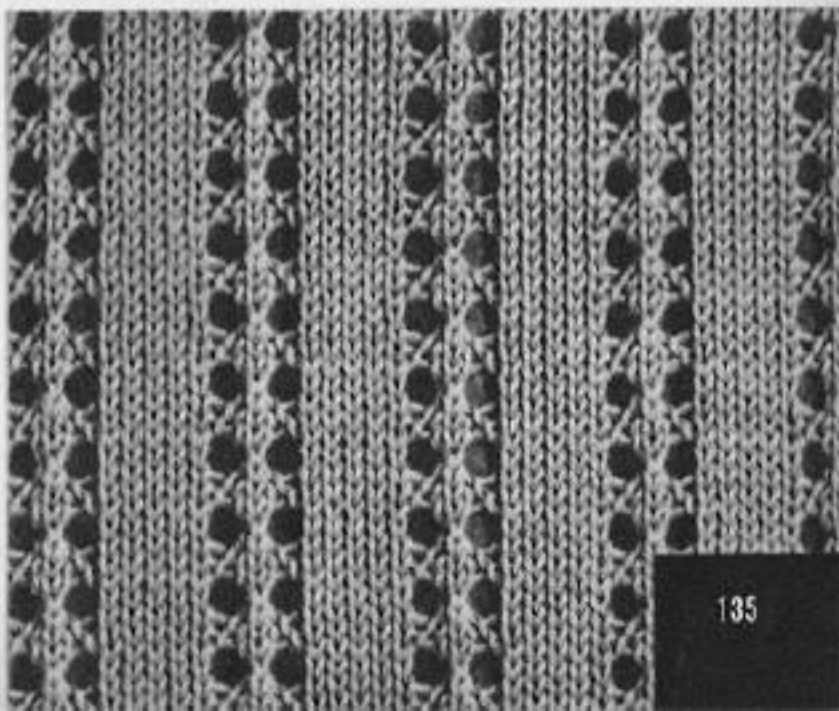
Steps	1	2	3	4	5	6	7	8											
Carriage Direction	P	P	P	P	P	P	P	P											
Color	2	5	1																
Tension Dial	4	5	1																
H. C. L. Left																			
Carriage		TUCK	PLAIN	PART															
H. C. L. Right									1	2	3	4	5	6	7	8			
Wearing Apparatus	Z																		
Apparatus		Needle Selection							Reverse Knob	Slide Dial									
8 sts. 2 row=1 pattern																			
Weaving Thread																			
Dir. of L. Carriage																			
Symbols of Stitch																			
1 2 3 4 5 6 7 8																			
X ◊																			

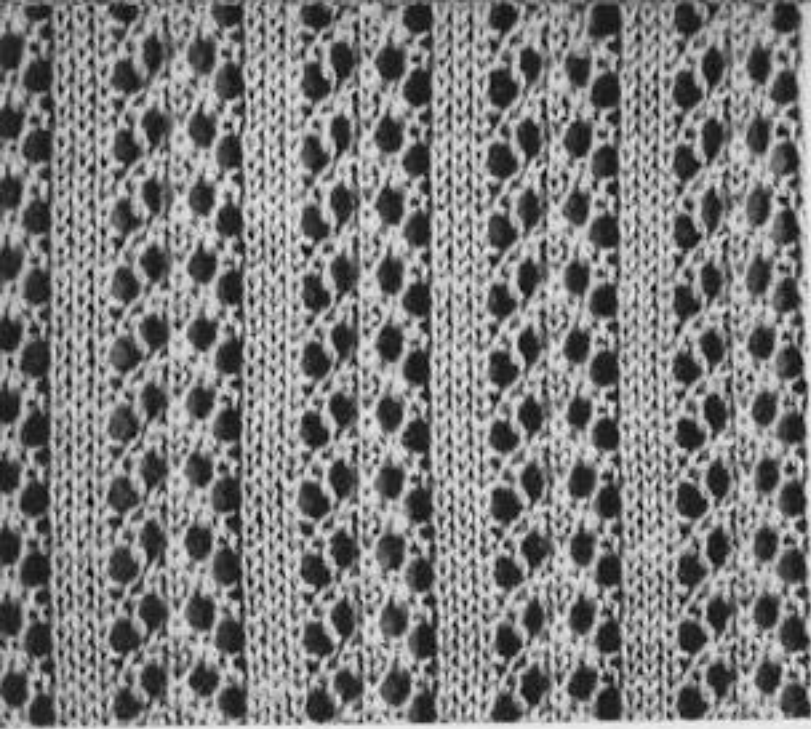


Steps	1	2	3	4	5	6	7	8											
Carriage Direction	P	P	P	P	P	P	P	P											
Color	2	5	1																
Tension Dial	4	5	1																
H. C. L. Left																			
Carriage		TUCK	PLAIN	PART															
H. C. L. Right									1	2	3	4	5	6	7	8			
Wearing Apparatus	Z																		
Apparatus		Needle Selection							Reverse Knob	Slide Dial									
8 sts. 18 row=1 pattern																			
Weaving Thread																			
Dir. of L. Carriage																			
Symbols of Stitch																			
1 2 3 4 5 6 7 8																			
X ◊																			



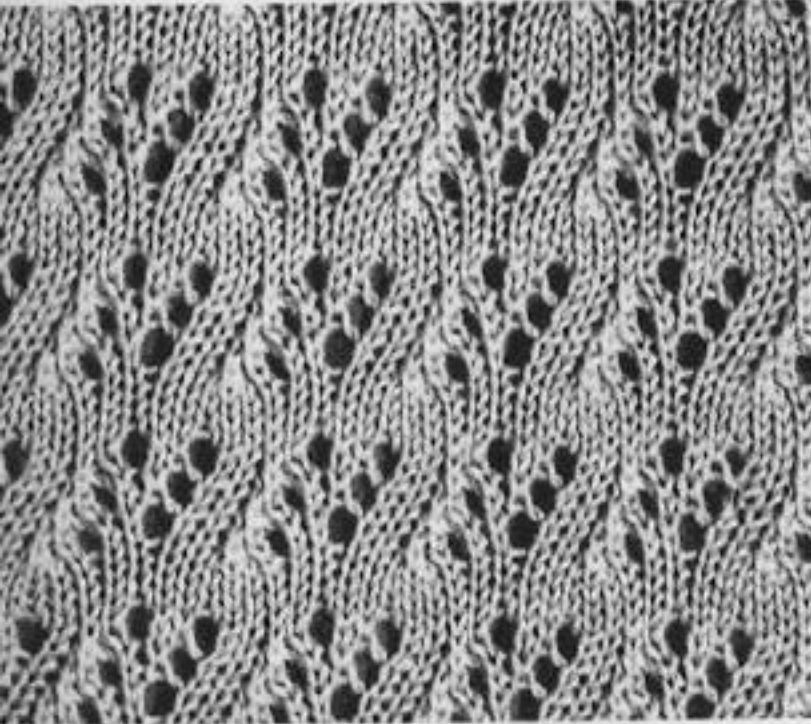
Steps	1	2	3	4	5	6	7	8											
Carriage Direction	P	P	P	P	P	P	P	P											
Color	2	5	1																
Tension Dial	4	5	1																
H. C. L. Left																			
Carriage		TUCK	PLAIN	PART															
H. C. L. Right									1	2	3	4	5	6	7	8			
Wearing Apparatus	Z																		
Apparatus		Needle Selection							Reverse Knob	Slide Dial									
8 sts. 4 row=1 pattern																			
Weaving Thread																			
Dir. of L. Carriage																			
Symbols of Stitch																			
1 2 3 4 5 6 7 8																			
X ◊																			





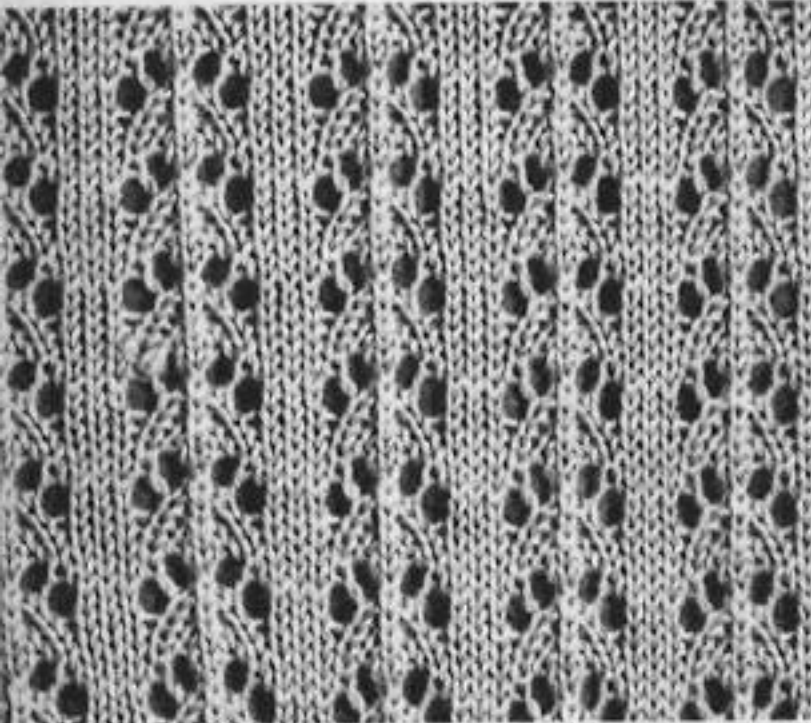
585

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left		H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	
1-4	→	1-4	2-5	1-1		1-1	2	1-5		A 1	↕	↕	
Apparatus													
8 sts, 4 row=1 pattern													



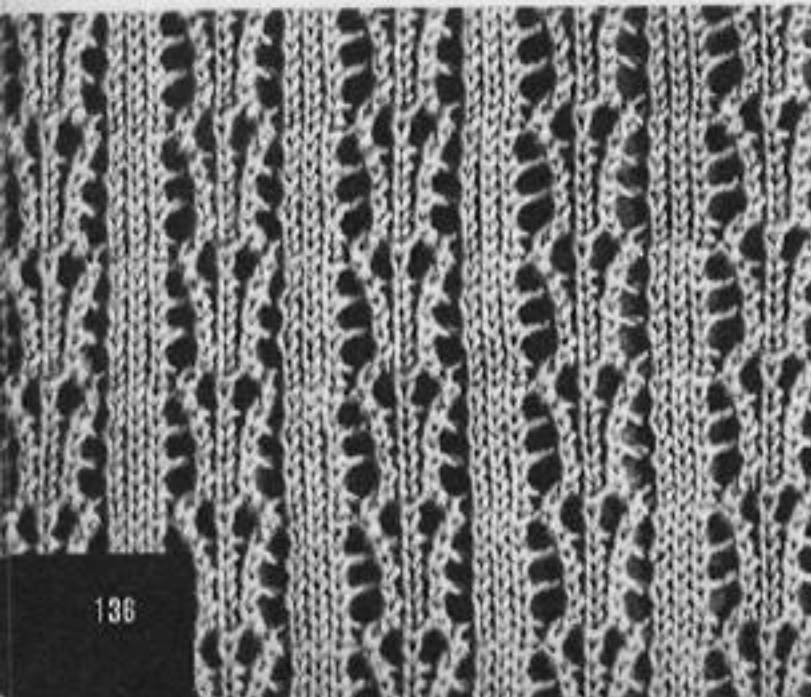
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Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left		H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	
1-17	→	1-17	2-5	1-1		1-1	3	1-8		A 1	↕	↕	
Apparatus													
8 sts, 10 row=1 pattern													



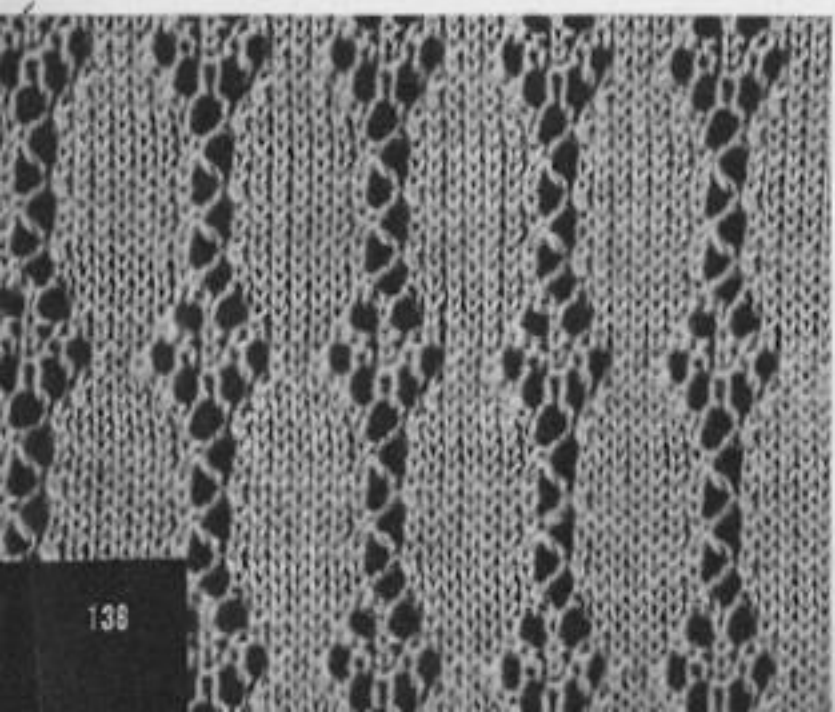
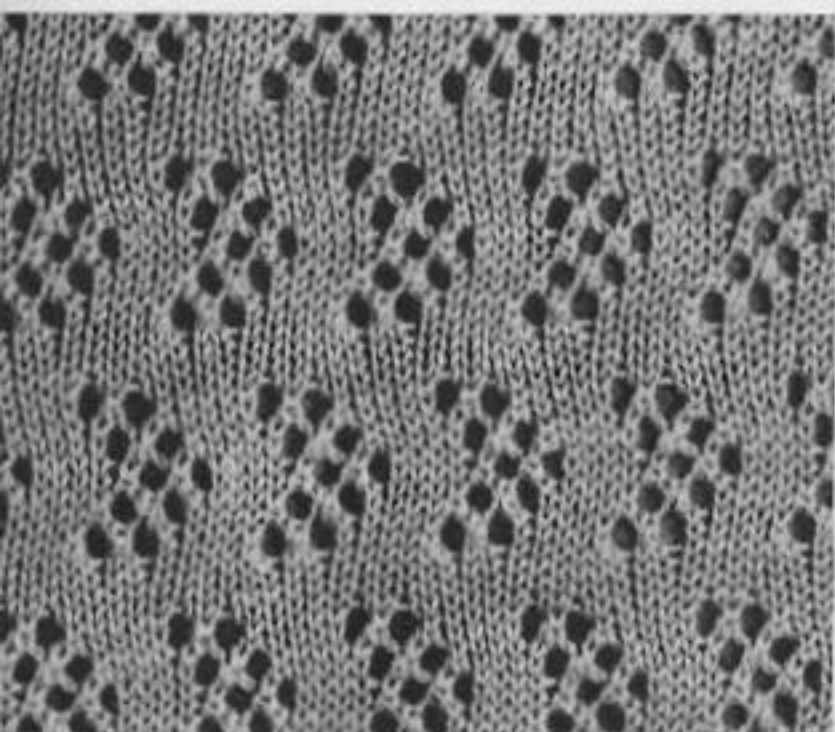
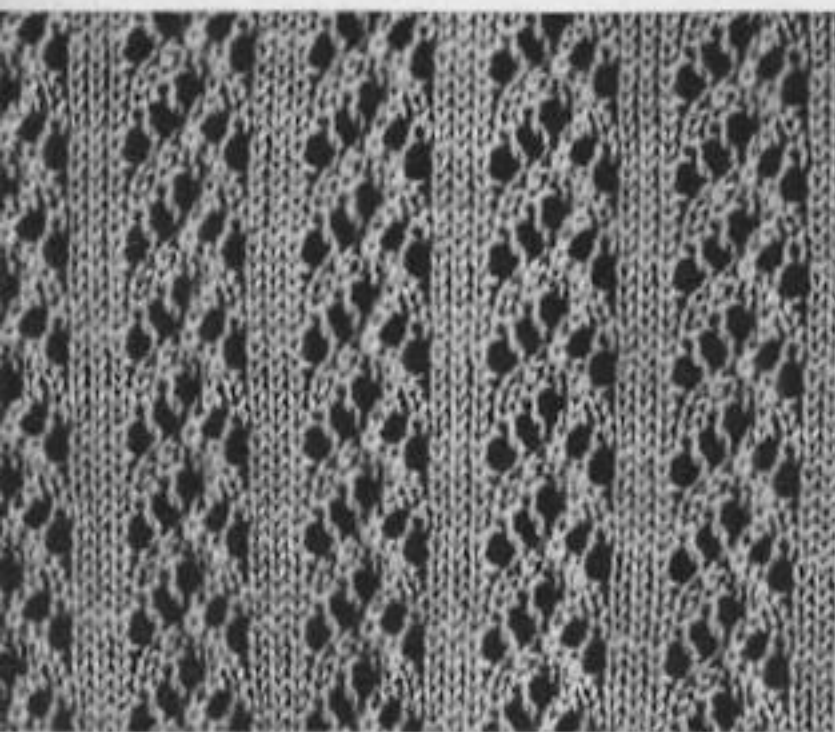
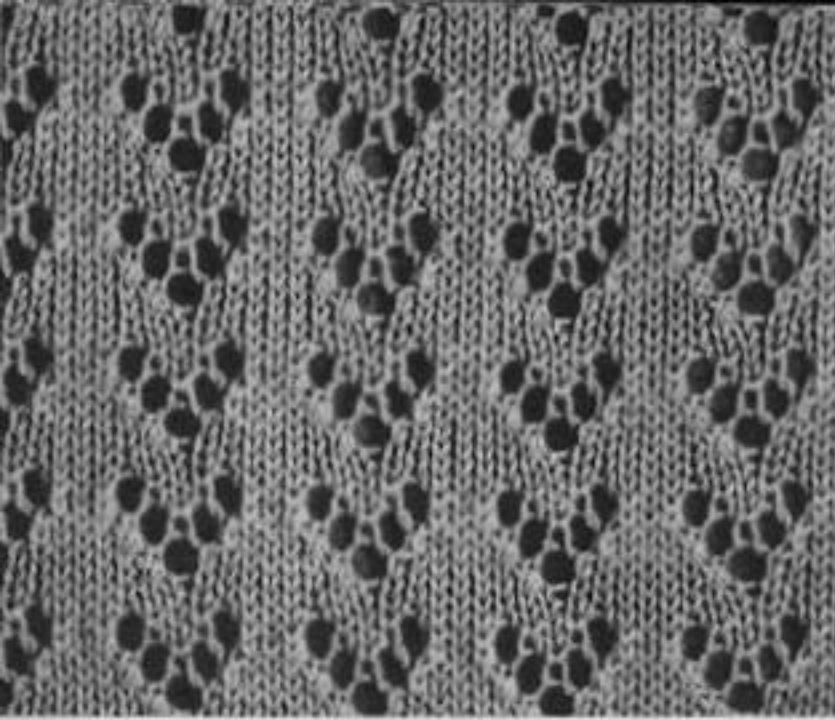
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Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left		H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	
1-7	→	1-7	2-5	1-1		1-1	3	1-8		A 1	↕	↕	
Apparatus													
8 sts, 6 row=1 pattern													



588

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left		H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	
1-8	→	1-8	2-5	1-1		1-1	4	1-8		A 1	↕	↕	
Apparatus													
8 sts, 8 row=1 pattern													



593

Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Carriage Direction	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔																																
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Tension Dial	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
H. C. L. Left	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
H. C. L. Right	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Weaving Apparatus	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Needle Selection	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Reverse Knob	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Slide Dial	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Apparatus	8 sts, 8 row = 1 pattern								Weaving Thread																																							
Carriage	TUCK PLAIN PART								Dir. of L. Carriage																																							
Symbols of Stitch	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td></tr> </table>																1	2	3	4	5	6	7	8	↔	↔	↔	↔	↔	↔	↔	↔	1	2	3	4	5	6	7	8	↔	↔	↔	↔	↔	↔	↔	↔
1	2	3	4	5	6	7	8																																									
↔	↔	↔	↔	↔	↔	↔	↔																																									
1	2	3	4	5	6	7	8																																									
↔	↔	↔	↔	↔	↔	↔	↔																																									

594

Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Carriage Direction	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔																																
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Tension Dial	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
H. C. L. Left	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
H. C. L. Right	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Weaving Apparatus	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Needle Selection	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Reverse Knob	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Slide Dial	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Apparatus	8 sts, 6 row = 1 pattern								Weaving Thread																																							
Carriage	TUCK PLAIN PART								Dir. of L. Carriage																																							
Symbols of Stitch	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td></tr> </table>																1	2	3	4	5	6	7	8	↔	↔	↔	↔	↔	↔	↔	↔	1	2	3	4	5	6	7	8	↔	↔	↔	↔	↔	↔	↔	↔
1	2	3	4	5	6	7	8																																									
↔	↔	↔	↔	↔	↔	↔	↔																																									
1	2	3	4	5	6	7	8																																									
↔	↔	↔	↔	↔	↔	↔	↔																																									

595

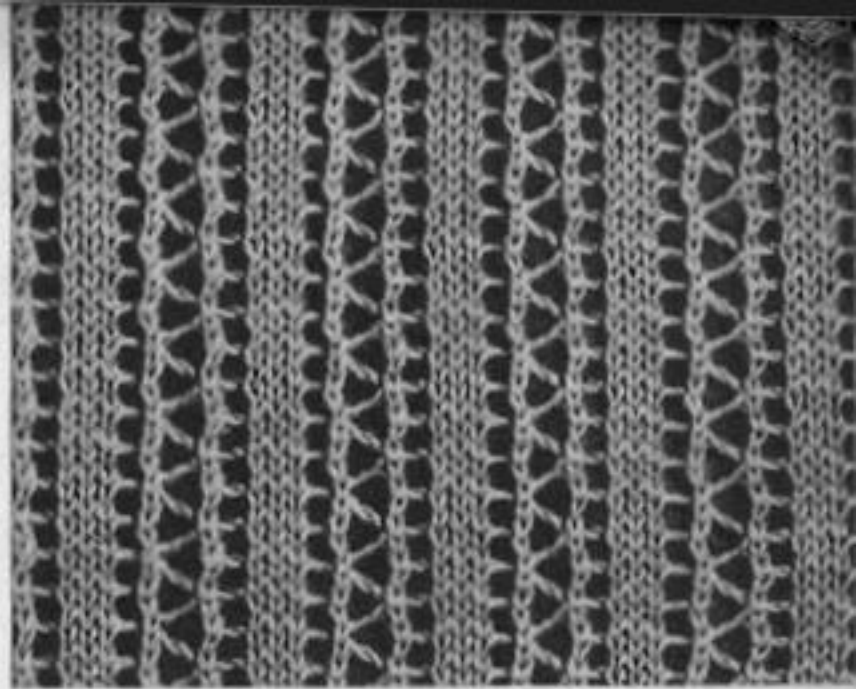
Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Carriage Direction	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔																																
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Tension Dial	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
H. C. L. Left	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
H. C. L. Right	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Weaving Apparatus	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Needle Selection	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Reverse Knob	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Slide Dial	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Apparatus	8 sts, 28 row = 1 pattern								Weaving Thread																																							
Carriage	TUCK PLAIN PART								Dir. of L. Carriage																																							
Symbols of Stitch	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td></tr> </table>																1	2	3	4	5	6	7	8	↔	↔	↔	↔	↔	↔	↔	↔	1	2	3	4	5	6	7	8	↔	↔	↔	↔	↔	↔	↔	↔
1	2	3	4	5	6	7	8																																									
↔	↔	↔	↔	↔	↔	↔	↔																																									
1	2	3	4	5	6	7	8																																									
↔	↔	↔	↔	↔	↔	↔	↔																																									

596

Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Carriage Direction	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔																																
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Tension Dial	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
H. C. L. Left	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
H. C. L. Right	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Weaving Apparatus	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Needle Selection	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
Reverse Knob	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Slide Dial	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7																																
Apparatus	8 sts, 18 row = 1 pattern								Weaving Thread																																							
Carriage	TUCK PLAIN PART								Dir. of L. Carriage																																							
Symbols of Stitch	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td><td>↔</td></tr> </table>																1	2	3	4	5	6	7	8	↔	↔	↔	↔	↔	↔	↔	↔	1	2	3	4	5	6	7	8	↔	↔	↔	↔	↔	↔	↔	↔
1	2	3	4	5	6	7	8																																									
↔	↔	↔	↔	↔	↔	↔	↔																																									
1	2	3	4	5	6	7	8																																									
↔	↔	↔	↔	↔	↔	↔	↔																																									

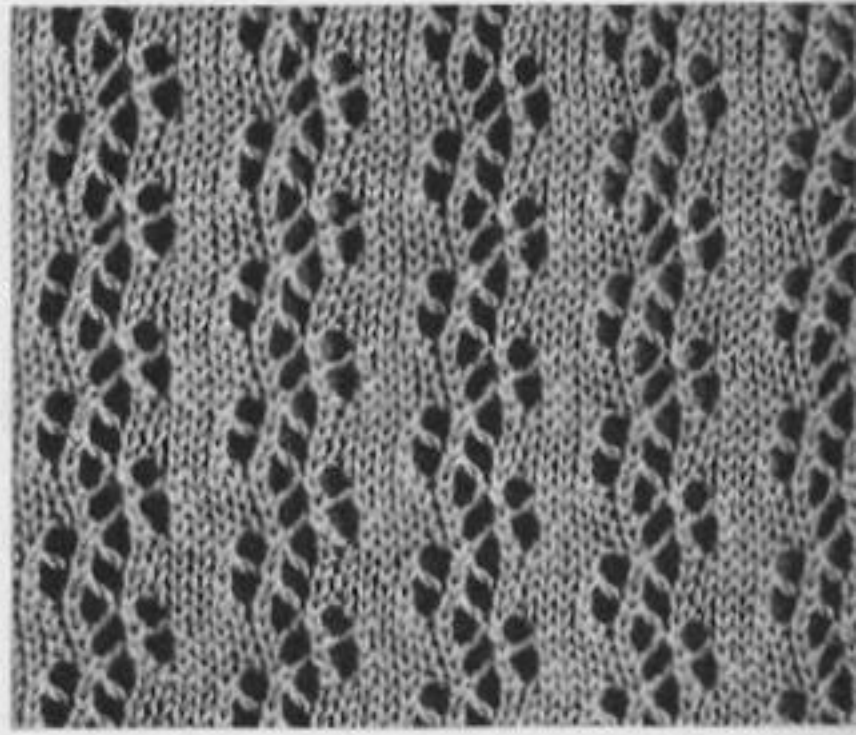
597

Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	Symbols of Stitch
1						1	1					○
2						2	2					○
3						3	3					○
4						4	4					○
5						5	5					○
6						6	6					○
7						7	7					○
8						8	8					○
Carriage											8 sts, 4 row = 1 pattern	
Apparatus											Symbols of Stitch	
Weaving Thread											1 2 3 4 5 6 7 8	
Dir. of L-Carriage											X	



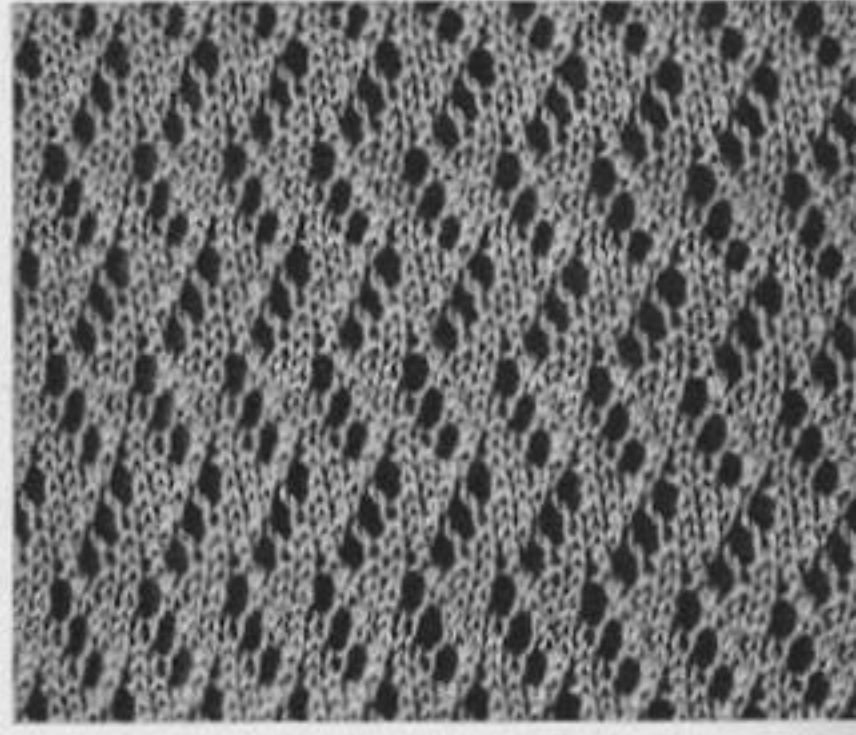
598

Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	Symbols of Stitch
1						1	1					○
2						2	2					○
3						3	3					○
4						4	4					○
5						5	5					○
6						6	6					○
7						7	7					○
8						8	8					○
Carriage											6 sts, 6 row = 1 pattern	
Apparatus											Symbols of Stitch	
Weaving Thread											1 2 3 4 5 6 7 8	
Dir. of L-Carriage											X	



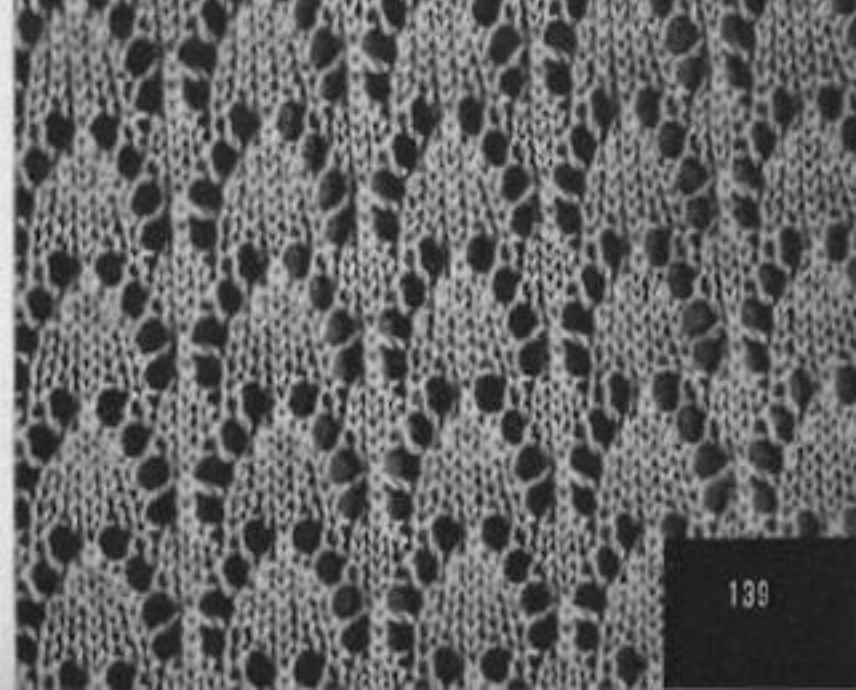
599

Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	Symbols of Stitch
1						1	1					○
2						2	2					○
3						3	3					○
4						4	4					○
5						5	5					○
6						6	6					○
7						7	7					○
8						8	8					○
Carriage											4 sts, 2 row = 1 pattern	
Apparatus											Symbols of Stitch	
Weaving Thread											1 2 3 4 5 6 7 8	
Dir. of L-Carriage											X	

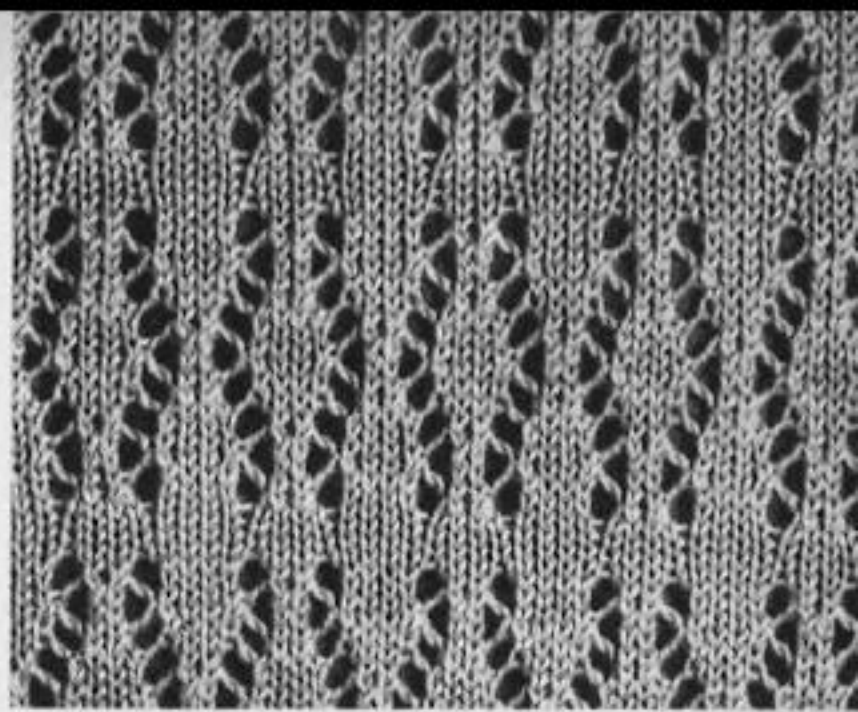


600

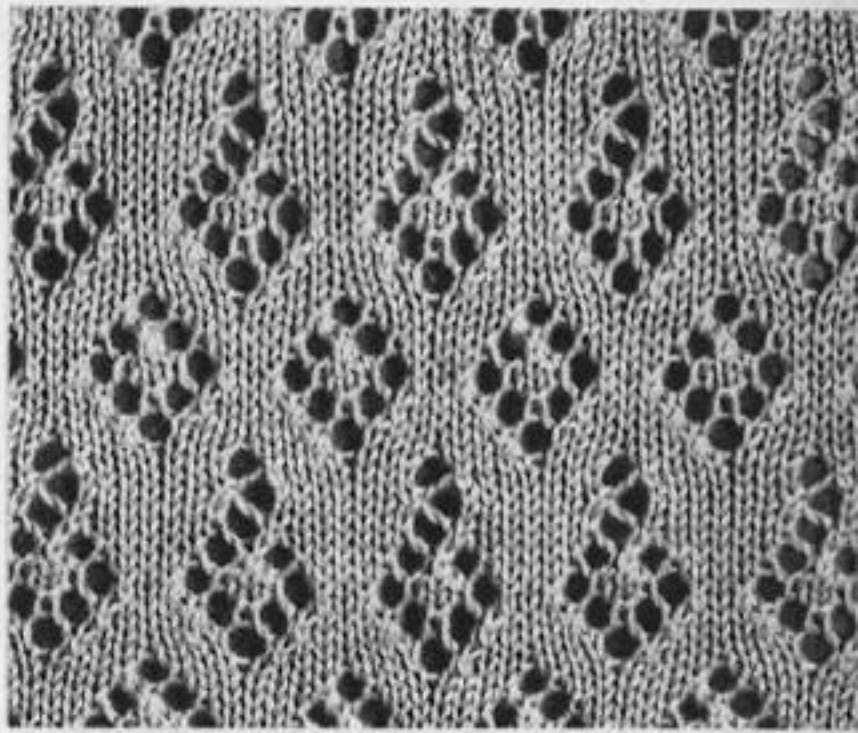
Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	Symbols of Stitch
1						1	1					○
2						2	2					○
3						3	3					○
4						4	4					○
5						5	5					○
6						6	6					○
7						7	7					○
8						8	8					○
Carriage											8 sts, 10 row = 1 pattern	
Apparatus											Symbols of Stitch	
Weaving Thread											1 2 3 4 5 6 7 8	
Dir. of L-Carriage											X	



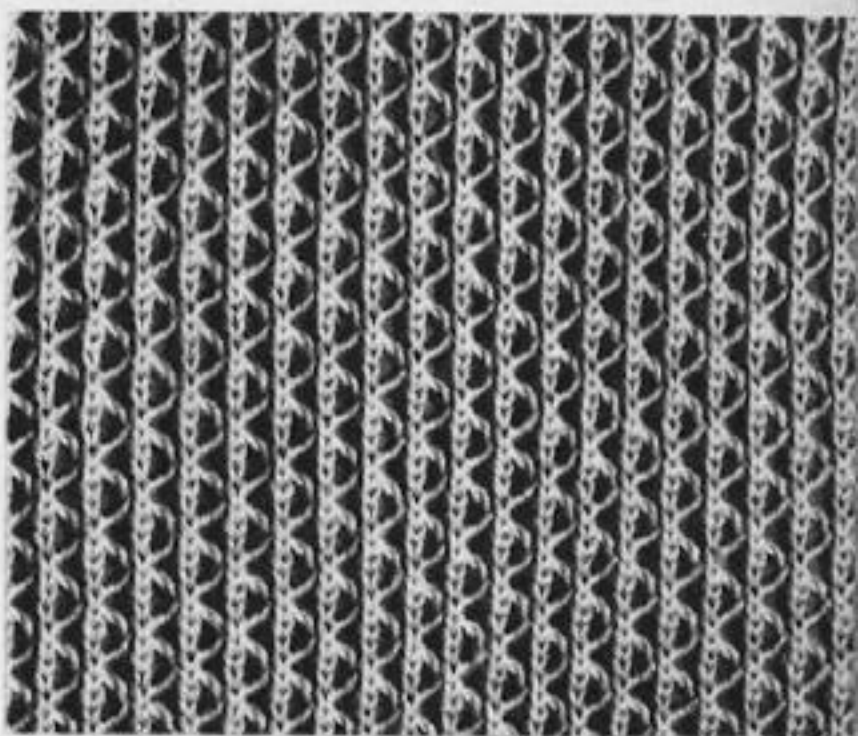
Steps	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Carriage								Apparatus								Weaving Thread								Dir. of L-Carriage																																																																																				
8 sts, 22 row = 1 pattern								Needle Selection Reverse Knob Slide Dial								Symbols of Stitch																																																																																												



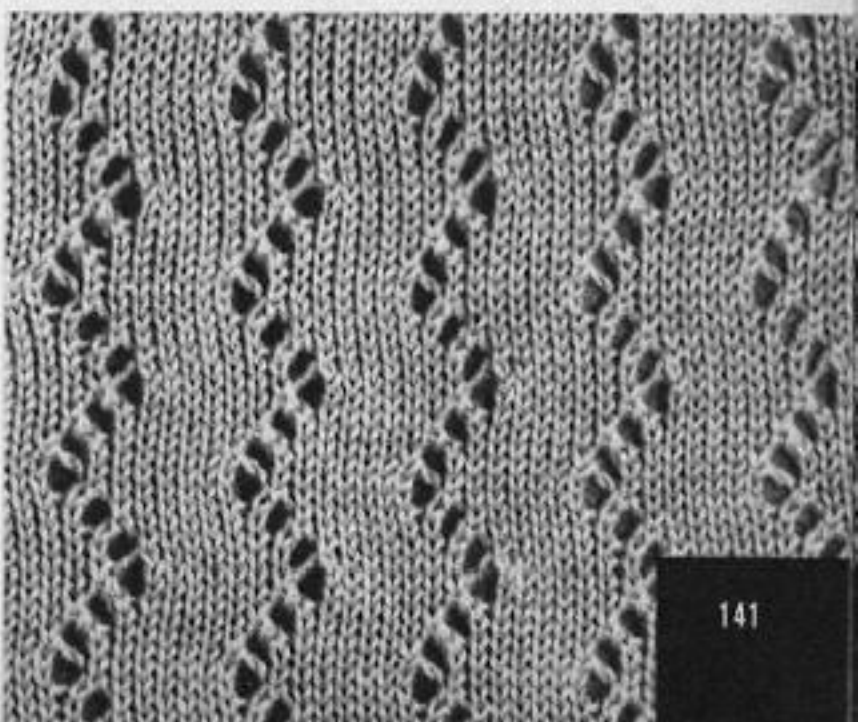
Steps	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Carriage								Apparatus								Weaving Thread								Dir. of L-Carriage																																																																																				
8 sts, 24 row = 1 pattern								Needle Selection Reverse Knob Slide Dial								Symbols of Stitch																																																																																												



Steps	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Carriage								Apparatus								Weaving Thread								Dir. of L-Carriage																																																																																				
4 sts, 4 row = 1 pattern								Needle Selection Reverse Knob Slide Dial								Symbols of Stitch																																																																																												



Steps	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Carriage								Apparatus								Weaving Thread								Dir. of L-Carriage																																																																																				
8 sts, 12 row = 1 pattern								Needle Selection Reverse Knob Slide Dial								Symbols of Stitch																																																																																												



621

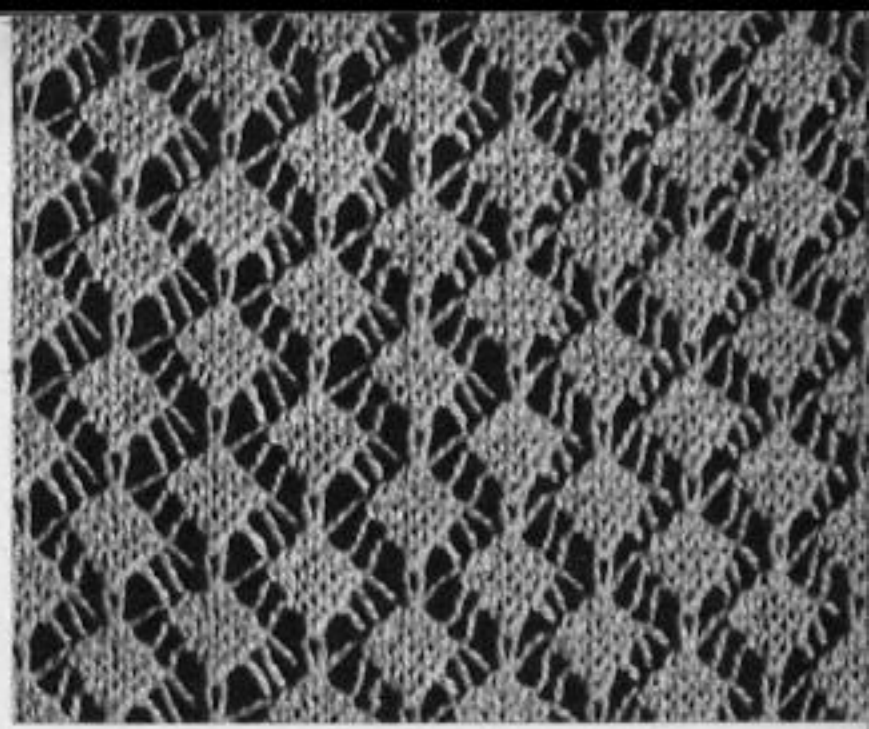
Steps	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L-Carriage
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Carriage: TUCK, PLAIN, PART

Apparatus: Needle Selection, Reverse Knob, Slide Dial

8 sts, 6 row=1 pattern

Symbols of Stitch: 1 2 3 4 5 6 7 8



622

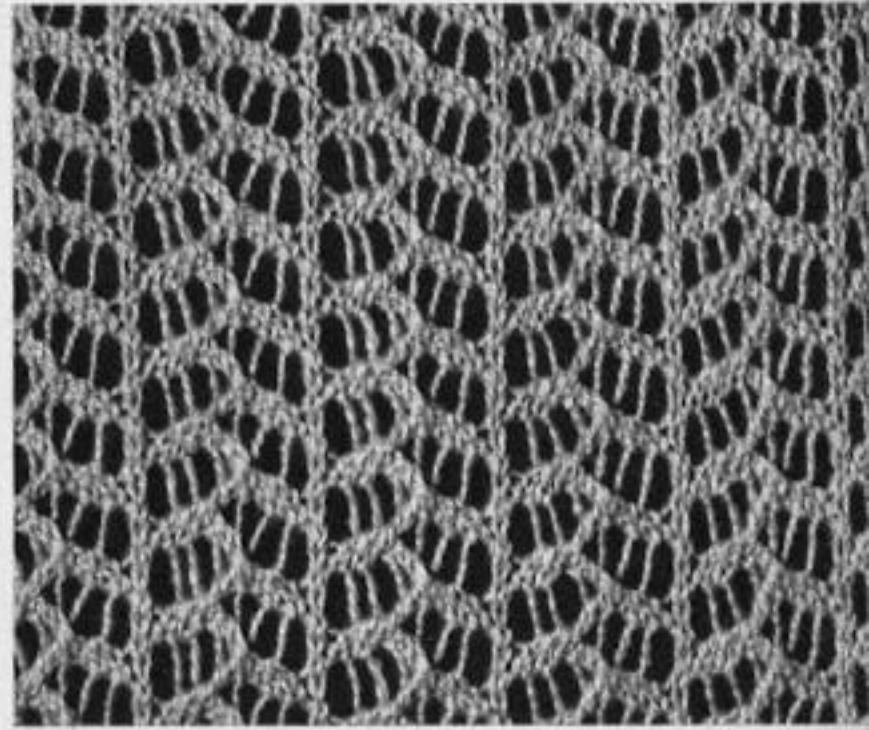
Steps	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L-Carriage
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Carriage: TUCK, PLAIN, PART

Apparatus: Needle Selection, Reverse Knob, Slide Dial

8 sts, 4 row=1 pattern

Symbols of Stitch: 1 2 3 4 5 6 7 8



623

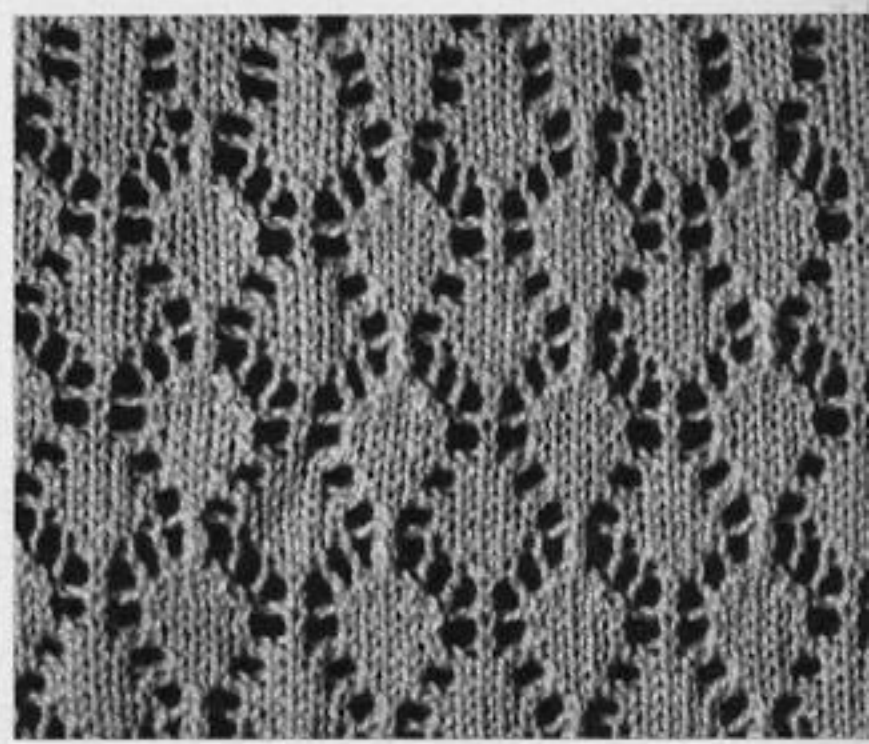
Steps	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L-Carriage
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Carriage: TUCK, PLAIN, PART

Apparatus: Needle Selection, Reverse Knob, Slide Dial

8 sts, 2 row=1 pattern

Symbols of Stitch: 1 2 3 4 5 6 7 8



624

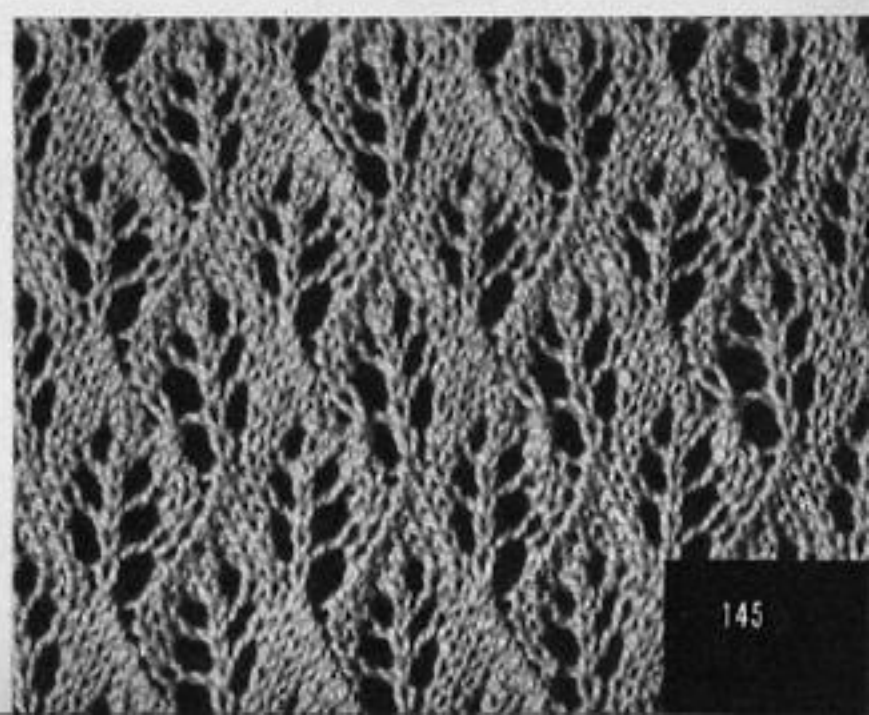
Steps	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	1	2	3	4	5	6	7	8	Weaving Thread	Dir. of L-Carriage
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Carriage: TUCK, PLAIN, PART

Apparatus: Needle Selection, Reverse Knob, Slide Dial

8 sts, 2 row=1 pattern

Symbols of Stitch: 1 2 3 4 5 6 7 8

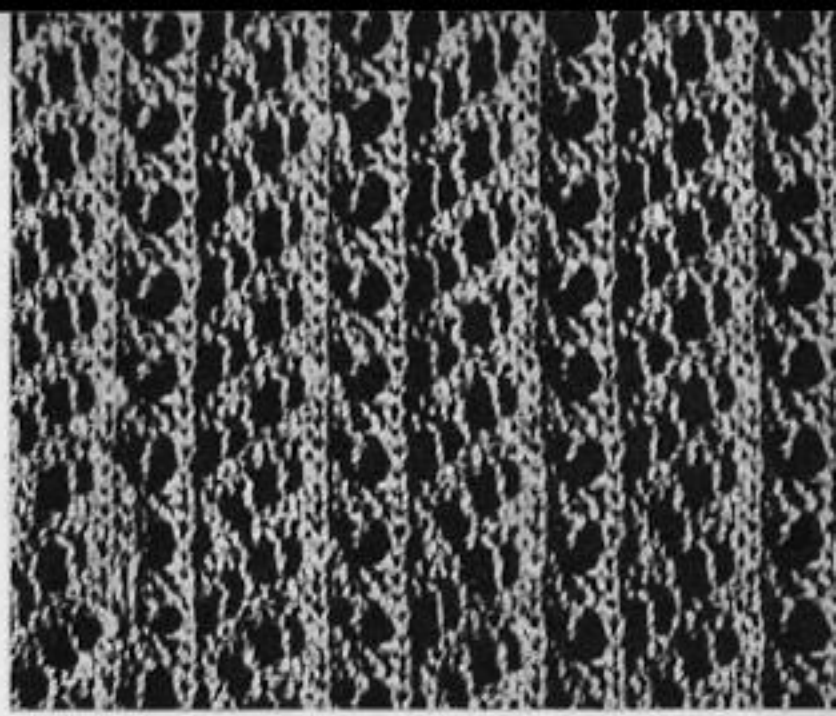


637

Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Carriage Direction	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
H. C. L. Left	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
H. C. L. Right	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Carriage	TUCK			PLAIN			PART									
Weaving Apparatus	1	2	3	4	5	6	7	8	Needle Selection		Reverse Knob		Slide Dial			
Apparatus	8 sts, 4 row=1 pattern															
Weaving Thread																
Dir. of L. Carriage																

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8

Symbols of Stitch

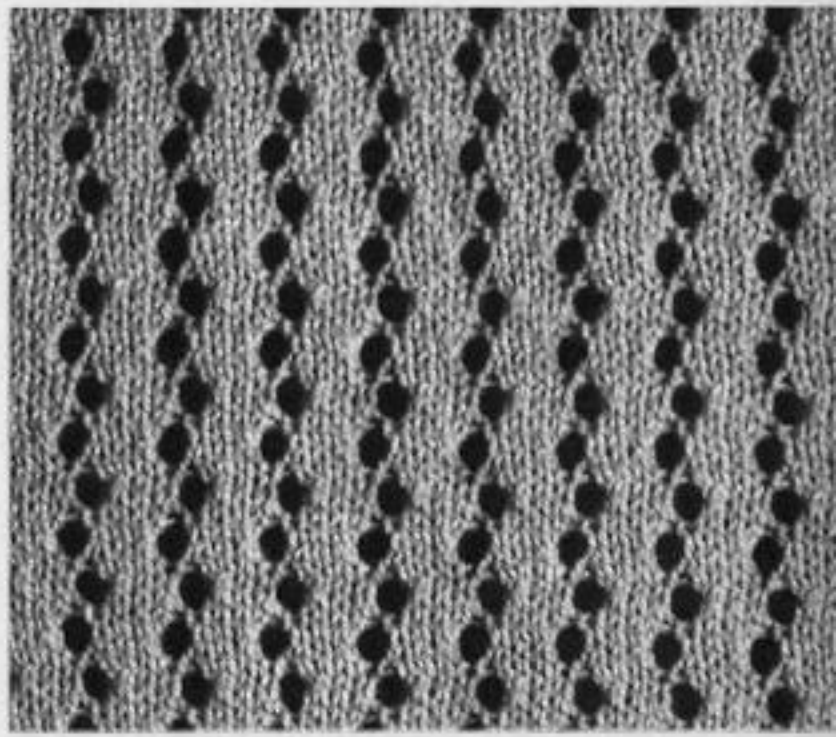


638

Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Carriage Direction	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
H. C. L. Left	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
H. C. L. Right	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Carriage	TUCK			PLAIN			PART									
Weaving Apparatus	1	2	3	4	5	6	7	8	Needle Selection		Reverse Knob		Slide Dial			
Apparatus	4 sts, 6 row=1 pattern															
Weaving Thread																
Dir. of L. Carriage																

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8

Symbols of Stitch

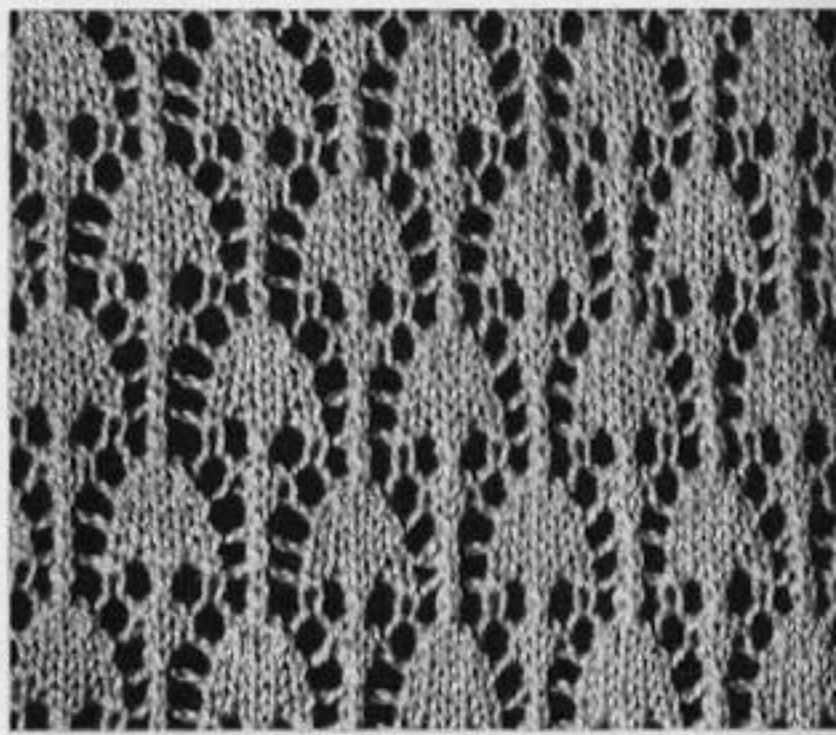


639

Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Carriage Direction	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
H. C. L. Left	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
H. C. L. Right	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Carriage	TUCK			PLAIN			PART									
Weaving Apparatus	1	2	3	4	5	6	7	8	Needle Selection		Reverse Knob		Slide Dial			
Apparatus	8 sts, 16 row=1 pattern															
Weaving Thread																
Dir. of L. Carriage																

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8

Symbols of Stitch

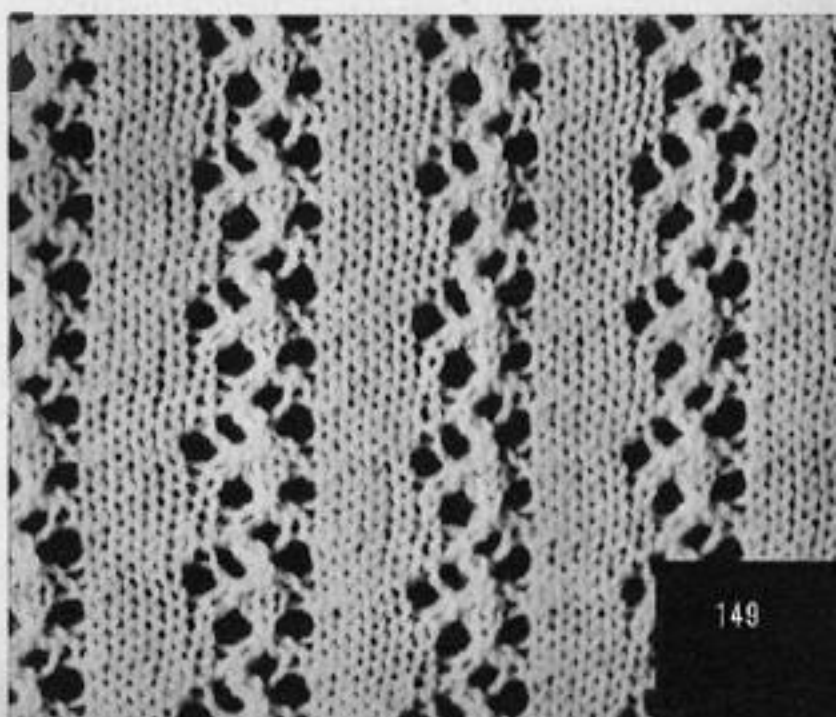


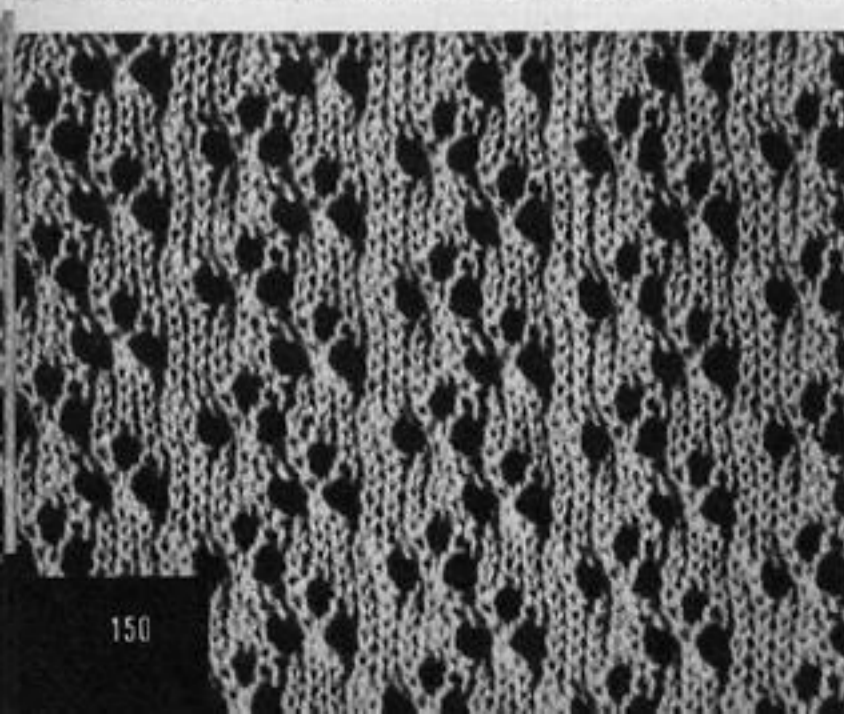
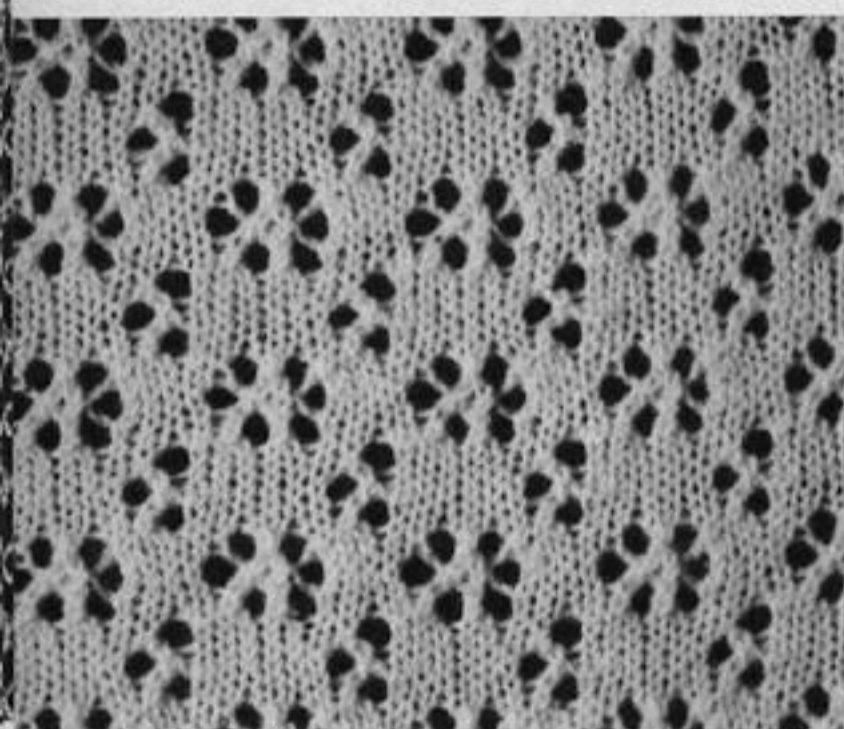
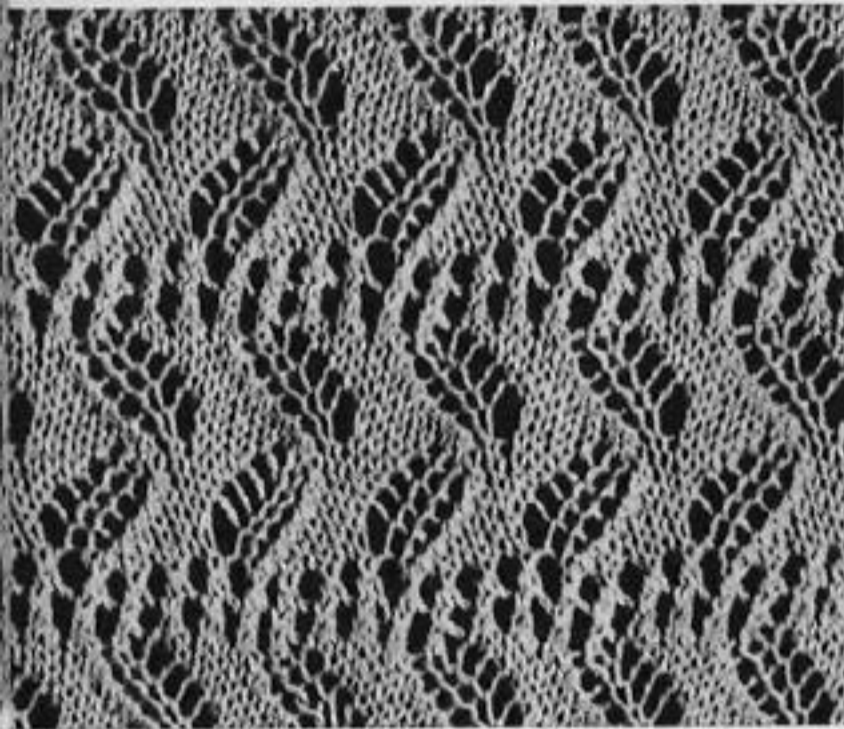
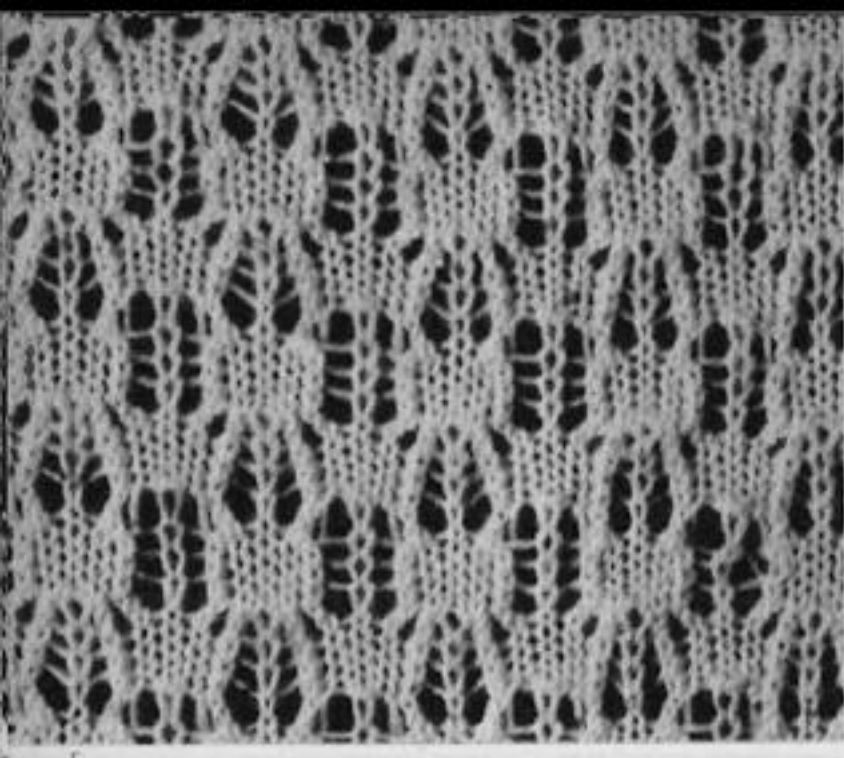
640

Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Carriage Direction	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
H. C. L. Left	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
H. C. L. Right	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Carriage	TUCK			PLAIN			PART									
Weaving Apparatus	1	2	3	4	5	6	7	8	Needle Selection		Reverse Knob		Slide Dial			
Apparatus	8 sts, 8 row=1 pattern															
Weaving Thread																
Dir. of L. Carriage																

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8

Symbols of Stitch





641

23	↓	•	•	•	•									7	•	•
19		•	•	•	•									7	•	•
18	↑	•	•	•	•										•	•
17	↓	•	•	•	•									7	•	•
16	↑	•	•	•	•										•	•
15	↓	•	•	•	•									7	•	•
14	↑	•	•	•	•										•	•
13	↓	•	•	•	•										•	•
12	↑	•	•	•	•				2							
11	↓	•	•	•	•									6		
10	↑	•	•	•	•				3				5			
9	↓	•	•	•	•											
8	↑	•	•	•	•				3				5			
7	↓	•	•	•	•											
6	↑	•	•	•	•				3				5			
5	↓	•	•	•	•											
4	↑	•	•	•	•				3				5			
3	↓	•	•	•	•											
2	↑	•	•	•	•				2				6			
1	↓	•	•	•	•											

1	2	3	4	5	6	7	8
X				◇			
Symbols of Stitch							

642

23	↓	•	•	•	•									2	4	6	8	•	•
22	↑	•	•	•	•									1	3	5	7	•	•
21	↓	•	•	•	•														
20	↑	•	•	•	•														
19	↓	•	•	•	•														
18	↑	•	•	•	•														
17	↓	•	•	•	•														
16	↑	•	•	•	•														
15	↓	•	•	•	•														
14	↑	•	•	•	•														
13	↓	•	•	•	•														
12	↑	•	•	•	•														
11	↓	•	•	•	•				2										
10	↑	•	•	•	•				1										
9	↓	•	•	•	•														
8	↑	•	•	•	•														
7	↓	•	•	•	•														
6	↑	•	•	•	•														
5	↓	•	•	•	•														
4	↑	•	•	•	•														
3	↓	•	•	•	•														
2	↑	•	•	•	•														
1	↓	•	•	•	•														

1	2	3	4	5	6	7	8
X				◇			
Symbols of Stitch							

643

7	↓	•	•	•	•														
6	↑	•	•	•	•														
5	↓	•	•	•	•														
4	↑	•	•	•	•														
3	↓	•	•	•	•														
2	↑	•	•	•	•														
1	↓	•	•	•	•														

1	2	3	4	5	6	7	8
X				◇			
Symbols of Stitch							

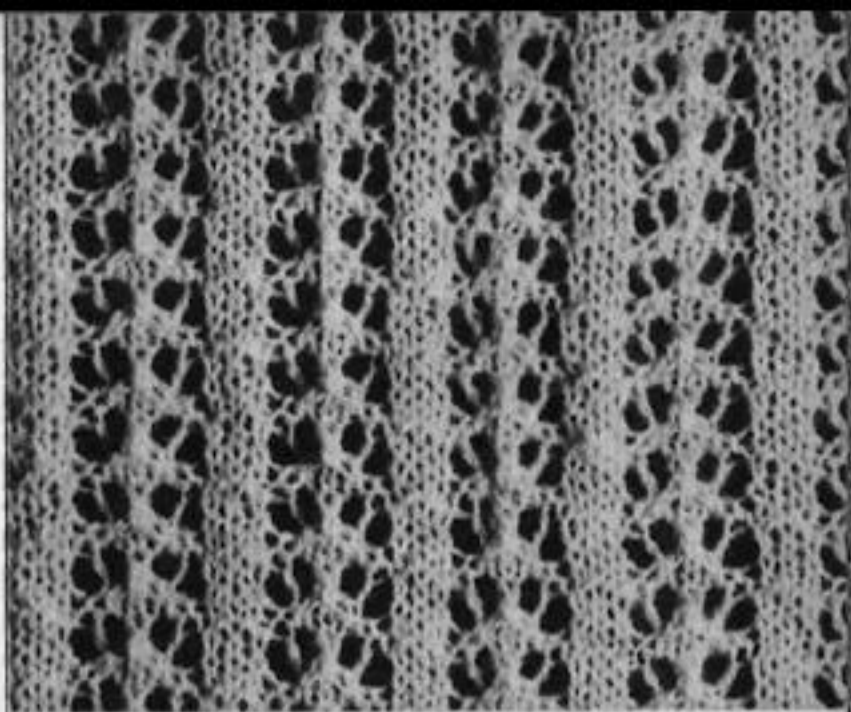
644

10	↓	•	•	•	•											5			
9	↑	•	•	•	•												6		
8	↓	•	•	•	•													7	
7	↑	•	•	•	•														
6	↓	•	•	•	•														
5	↑	•	•	•	•														
4	↓	•	•	•	•														
3	↑	•	•	•	•														
2	↓	•	•	•	•														
1	↑	•	•	•	•														

1	2	3	4	5	6	7	8
X				◇			
Symbols of Stitch							

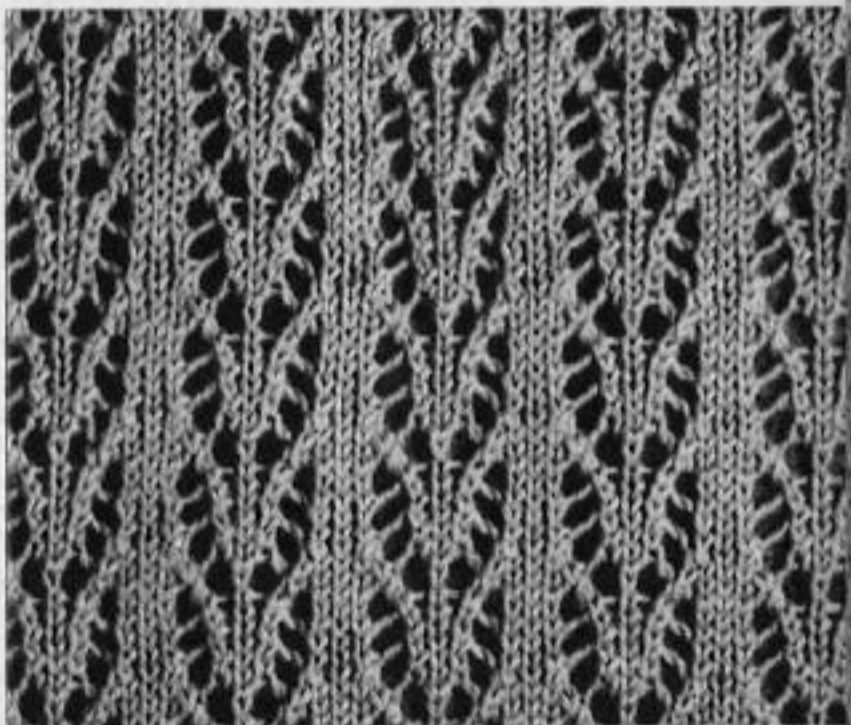
645

Steps		10	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	10
Carriage Direction		[Diagram showing carriage directions for each step]																		
Color		[Color sequence]																		
Tension Dial		[Tension dial settings]																		
H. C. L. Left		[H.C.L. settings]																		
Carriage		<p>TUCK PLAIN PART</p> <p>[Diagram of carriage settings]</p>																		
H. C. L. Right		[H.C.L. settings]																		
Weaving Apparatus		[Apparatus diagram]																		
Needle Selection		1 2 3 4 5 6 7 8																		
Reverse Knob		[Symbol]																		
Slide Dial		A 1																		
Apparatus		8 sts, 4 row = 1 pattern																		
Weaving Thread		[Thread diagram]																		
Dir. of L-Carriage		[Direction diagram]																		
Symbols of Stitch		1 2 3 4 5 6 7 8 [Symbol key: circle, triangle, diamond, etc.]																		



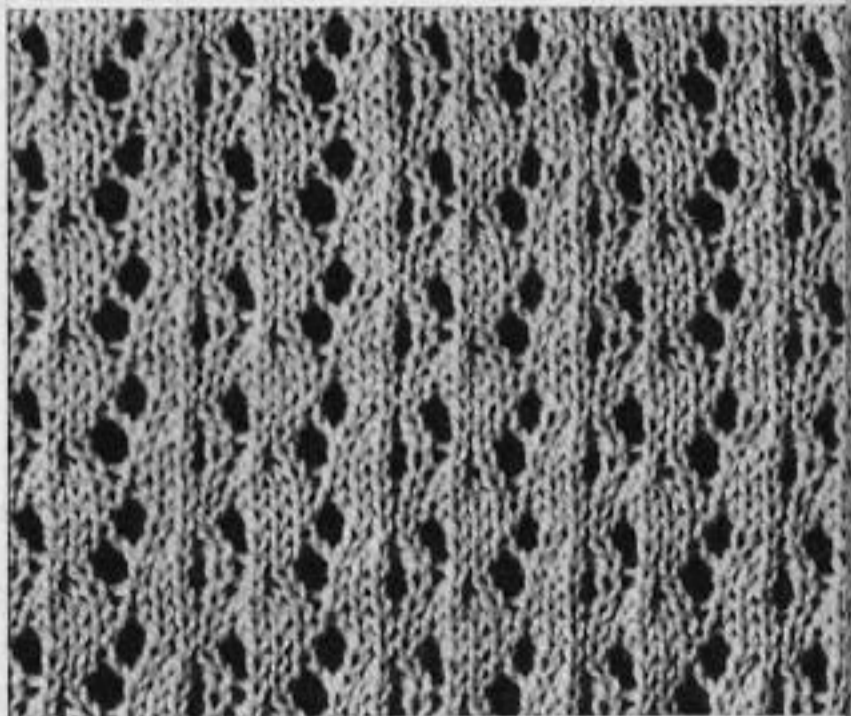
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Steps		10	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	10
Carriage Direction		[Diagram showing carriage directions for each step]																		
Color		[Color sequence]																		
Tension Dial		[Tension dial settings]																		
H. C. L. Left		[H.C.L. settings]																		
Carriage		<p>TUCK PLAIN PART</p> <p>[Diagram of carriage settings]</p>																		
H. C. L. Right		[H.C.L. settings]																		
Weaving Apparatus		[Apparatus diagram]																		
Needle Selection		1 2 3 4 5 6 7 8																		
Reverse Knob		[Symbol]																		
Slide Dial		A 1																		
Apparatus		8 sts, 8 row = 1 pattern																		
Weaving Thread		[Thread diagram]																		
Dir. of L-Carriage		[Direction diagram]																		
Symbols of Stitch		1 2 3 4 5 6 7 8 [Symbol key: circle, triangle, diamond, etc.]																		



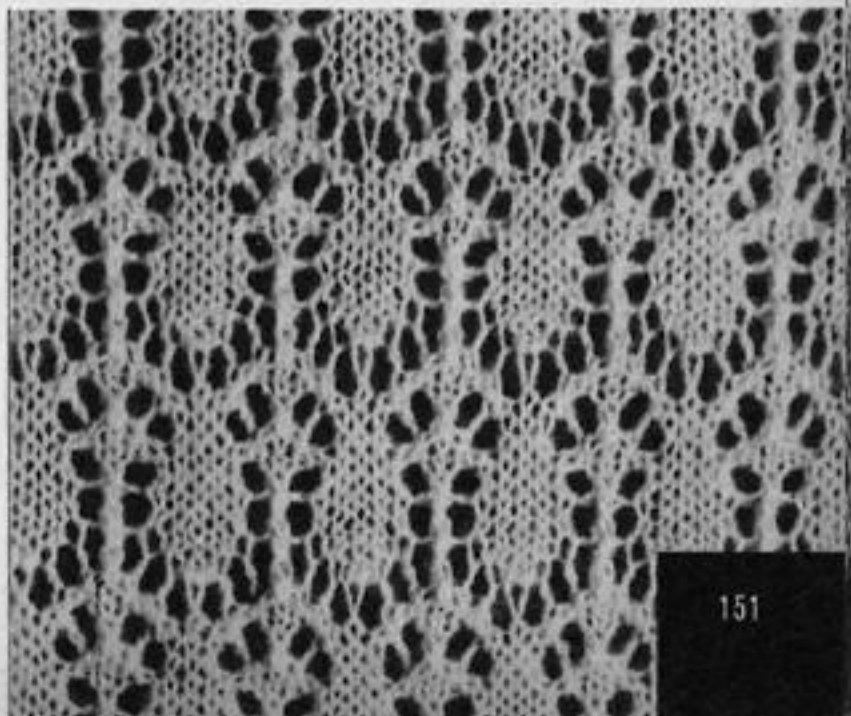
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Steps		10	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	10
Carriage Direction		[Diagram showing carriage directions for each step]																		
Color		[Color sequence]																		
Tension Dial		[Tension dial settings]																		
H. C. L. Left		[H.C.L. settings]																		
Carriage		<p>TUCK PLAIN PART</p> <p>[Diagram of carriage settings]</p>																		
H. C. L. Right		[H.C.L. settings]																		
Weaving Apparatus		[Apparatus diagram]																		
Needle Selection		1 2 3 4 5 6 7 8																		
Reverse Knob		[Symbol]																		
Slide Dial		A 1																		
Apparatus		8 sts, 8 row = 1 pattern																		
Weaving Thread		[Thread diagram]																		
Dir. of L-Carriage		[Direction diagram]																		
Symbols of Stitch		1 2 3 4 5 6 7 8 [Symbol key: circle, triangle, diamond, etc.]																		



648

Steps		10	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	10
Carriage Direction		[Diagram showing carriage directions for each step]																		
Color		[Color sequence]																		
Tension Dial		[Tension dial settings]																		
H. C. L. Left		[H.C.L. settings]																		
Carriage		<p>TUCK PLAIN PART</p> <p>[Diagram of carriage settings]</p>																		
H. C. L. Right		[H.C.L. settings]																		
Weaving Apparatus		[Apparatus diagram]																		
Needle Selection		1 2 3 4 5 6 7 8																		
Reverse Knob		[Symbol]																		
Slide Dial		A 1																		
Apparatus		8 sts, 12 row = 1 pattern																		
Weaving Thread		[Thread diagram]																		
Dir. of L-Carriage		[Direction diagram]																		
Symbols of Stitch		1 2 3 4 5 6 7 8 [Symbol key: circle, triangle, diamond, etc.]																		



PULL-UP LACE PATTERNS

What is a Pull-up Lace Pattern?

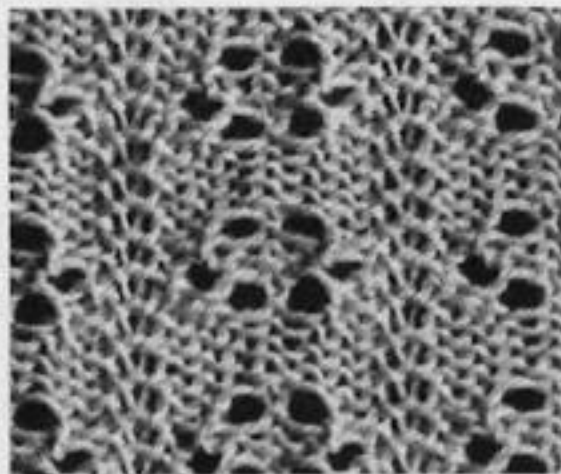
Pull-up lace patterns are beautiful open patterns worked by combining the specialities of both automatic lace patterning and pull-up stitches.

Specialities of Pull-up Lace Patterns:

This new type of pattern stitch is especially designed for the wider use of knitting in the spring or summer season by giving a unique effect, different from mere lace patterns. Ideally they are used for the border of a garment.

How to knit Pull-up Lace Patterns:

11	10	9	8	7	6	5	4	3	2	1	11	10	9	8	7	6	5	4	3	2	1	
Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK	PLAIN	PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1	2	3	4	5	6	7	8	Symbols of Stitch
Steps																						
8 sts, 10 row = 1 pattern																						



CarriagePlace at right hand side.

Yarn in feeder...Thread with yarn for garment.

Tension dial.....Adjust to 5.

Change levers...Set Right at III, Left at I.

Cam buttons ...Depress "PLAIN" knitting button.

Weaving apparatus.....Set both knob and levers to N.

Needle S.B.Depress 5.

Reverse Knob...Adjust at A.

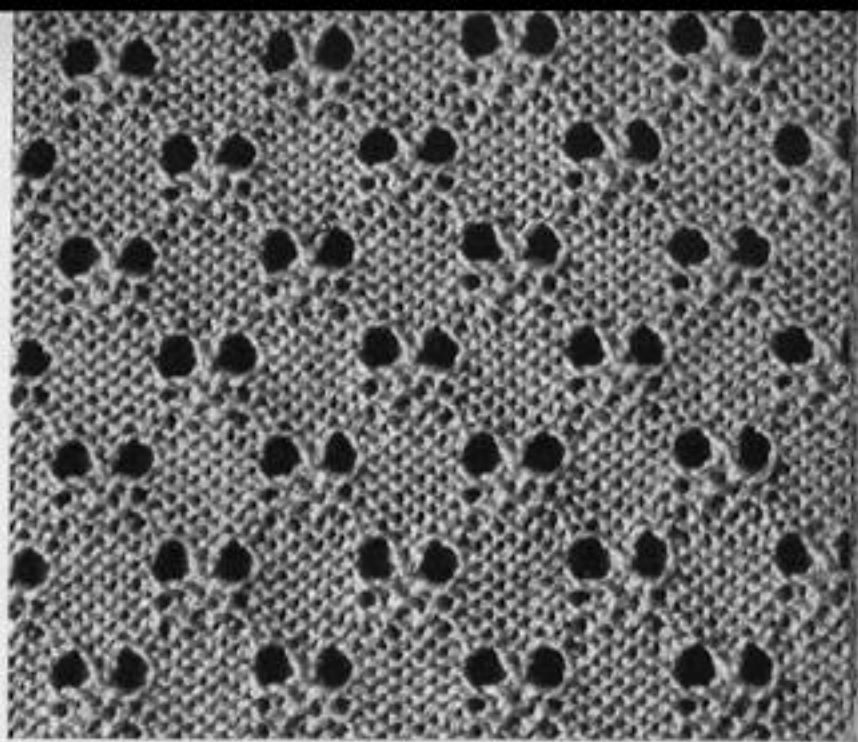
Slide dial.....Adjust at I.

Order of Operations:

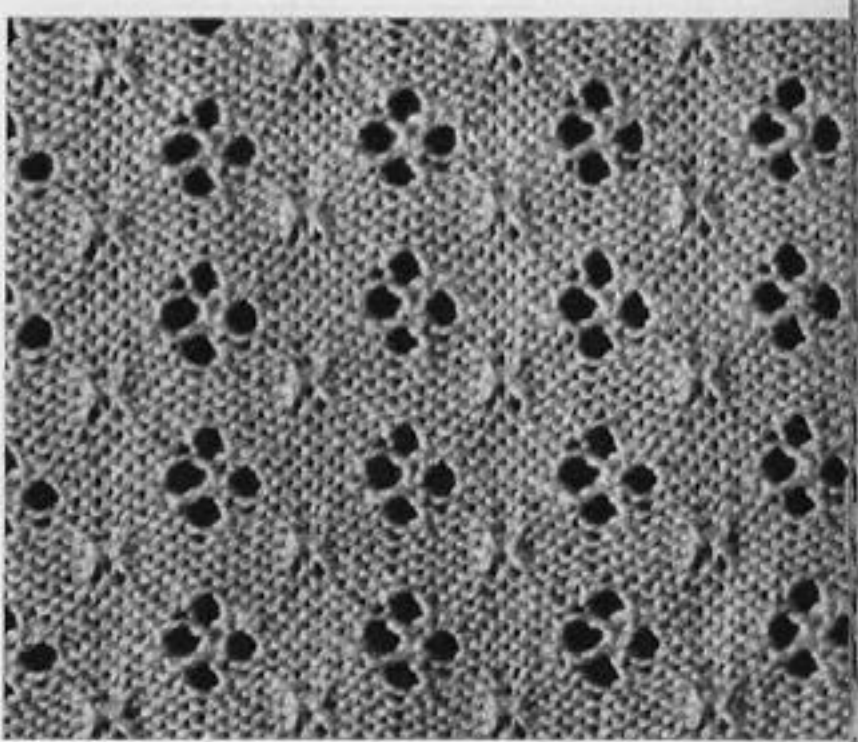
1. Arrange needles by the set lever. Operate L-carriage from left to right.
2. Depress 3 of the Needle S. B, (releasing 5), arrange needles, operate L-carriage from right to left.
3. Depress 8 of Needle S. B, (releasing 3), arrange needles, operate the knitting carriage twice (2 rows).
4. Depress 6 of Needle S. B, (releasing 8), arrange needles, operate L-carriage from left to right.
5. Depress 2 of Needle S. B, (releasing 6), arrange needles, operate L-carriage from right to left.
6. Depress 8 of Needle S. B, (releasing 2), arrange needles, operate the knitting carriage 2 twice.
7. Depress 5 of Needle S. B, (releasing 8), arrange needles, operate L-carriage from left to right.
8. Depress 3 of Needle S. B, (releasing 5), arrange needles, operate L-carriage from right to left.
9. Depress 8 of Needle S. B, (releasing 3), arrange needles, operate the knitting carriage twice (2 rows).
10. Arrange needles without changing Needle S. B., operate the knitting carriage twice (2 rows).
11. Arrange needles without changing Needle S. B., operate the knitting carriage twice (2 rows).

★ Repeat steps 1 to 11.

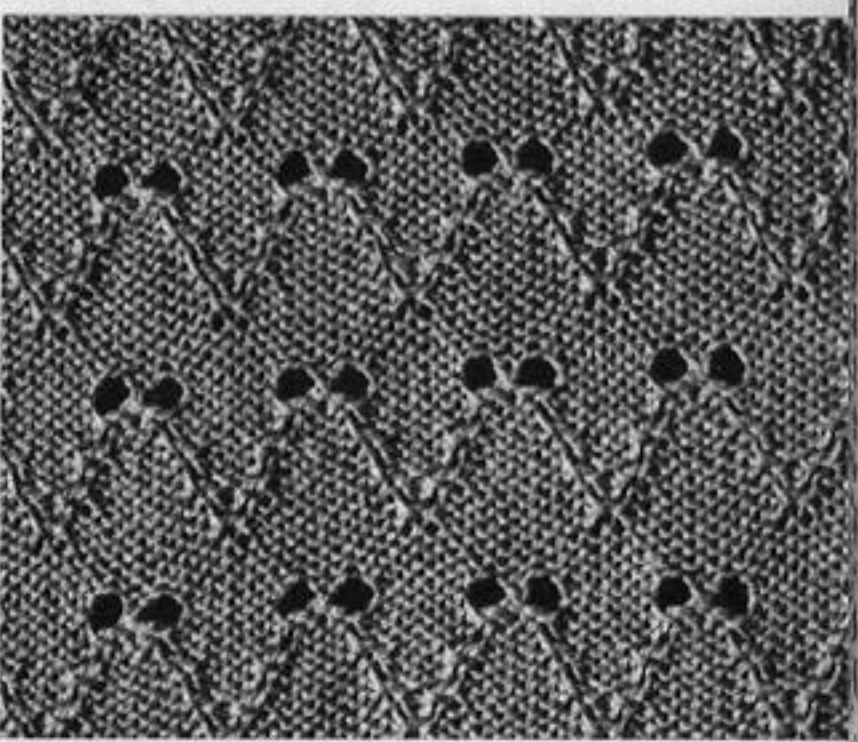
Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Tension Dial																															
H. C. L. Left																															
H. C. L. Right																															
Carriage	TUCK			PLAIN			PART																								
Weaving Apparatus																															
Needle Selection	1	2	3	4	5	6	7	8																							
Reverse Knob																															
Slide Dial																															
Apparatus																															
8 sts, 12 row=1 pattern																															
Weaving Thread																															
Dir. of L-Carriage																															
Symbols of Stitch	1	2	3	4	5	6	7	8																							



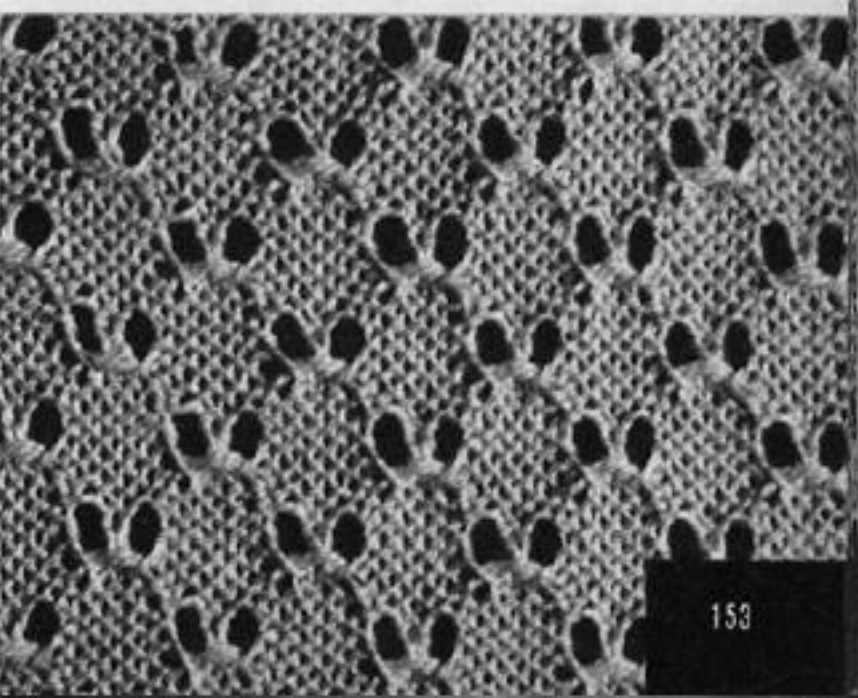
Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Tension Dial																															
H. C. L. Left																															
H. C. L. Right																															
Carriage	TUCK			PLAIN			PART																								
Weaving Apparatus																															
Needle Selection	1	2	3	4	5	6	7	8																							
Reverse Knob																															
Slide Dial																															
Apparatus																															
8 sts, 10 row=1 pattern																															
Weaving Thread																															
Dir. of L-Carriage																															
Symbols of Stitch	1	2	3	4	5	6	7	8																							

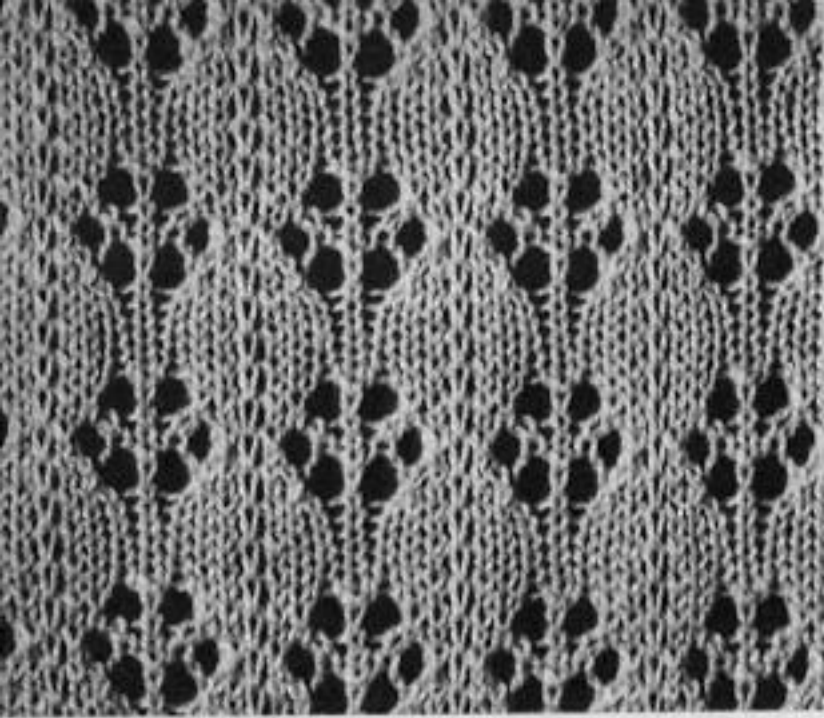


Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Tension Dial																															
H. C. L. Left																															
H. C. L. Right																															
Carriage	TUCK			PLAIN			PART																								
Weaving Apparatus																															
Needle Selection	1	2	3	4	5	6	7	8																							
Reverse Knob																															
Slide Dial																															
Apparatus																															
8 sts, 16 row=1 pattern																															
Weaving Thread																															
Dir. of L-Carriage																															
Symbols of Stitch	1	2	3	4	5	6	7	8																							



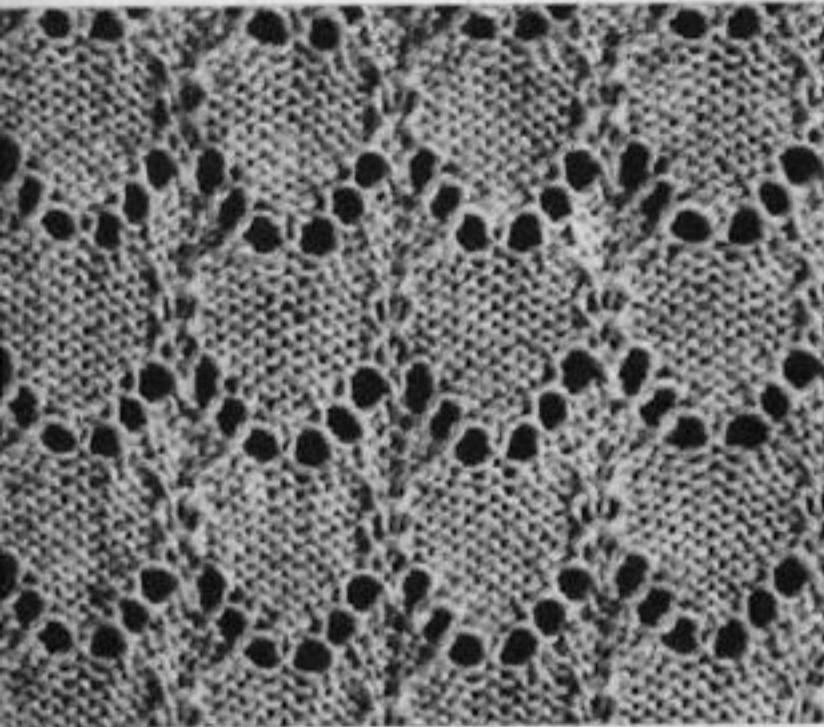
Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Carriage Direction	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→
Color	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Tension Dial																															
H. C. L. Left																															
H. C. L. Right																															
Carriage	TUCK			PLAIN			PART																								
Weaving Apparatus																															
Needle Selection	1	2	3	4	5	6	7	8																							
Reverse Knob																															
Slide Dial																															
Apparatus																															
8 sts, 10 row=1 pattern																															
Weaving Thread																															
Dir. of L-Carriage																															
Symbols of Stitch	1	2	3	4	5	6	7	8																							





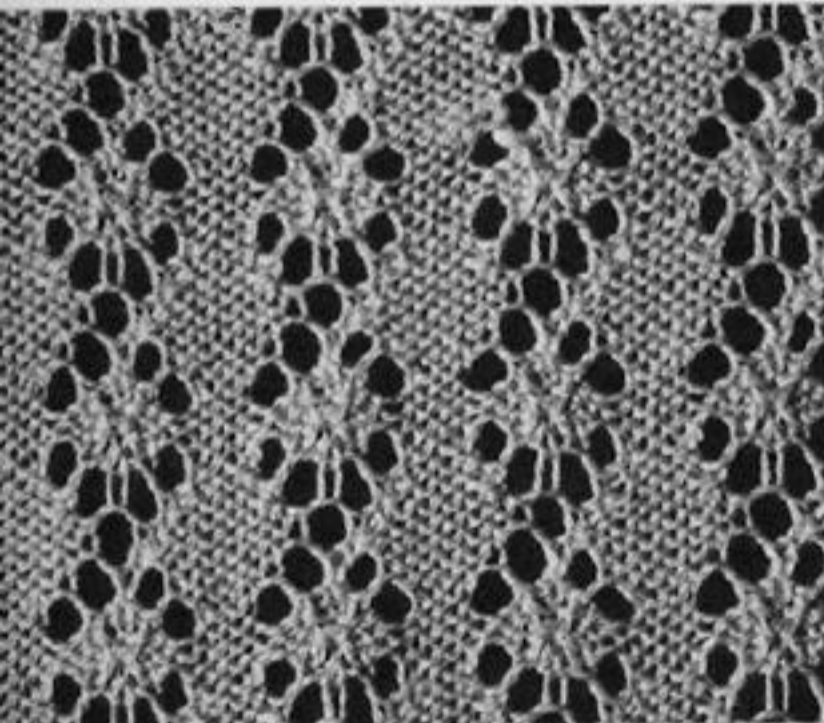
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Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
12	1											
11	1											
10	1											
9	1											
8	1											
7	1											
6	1											
5	1											
4	1											
3	1											
2	1											
1	1											
8 sts, 12 rows = 1 pattern												



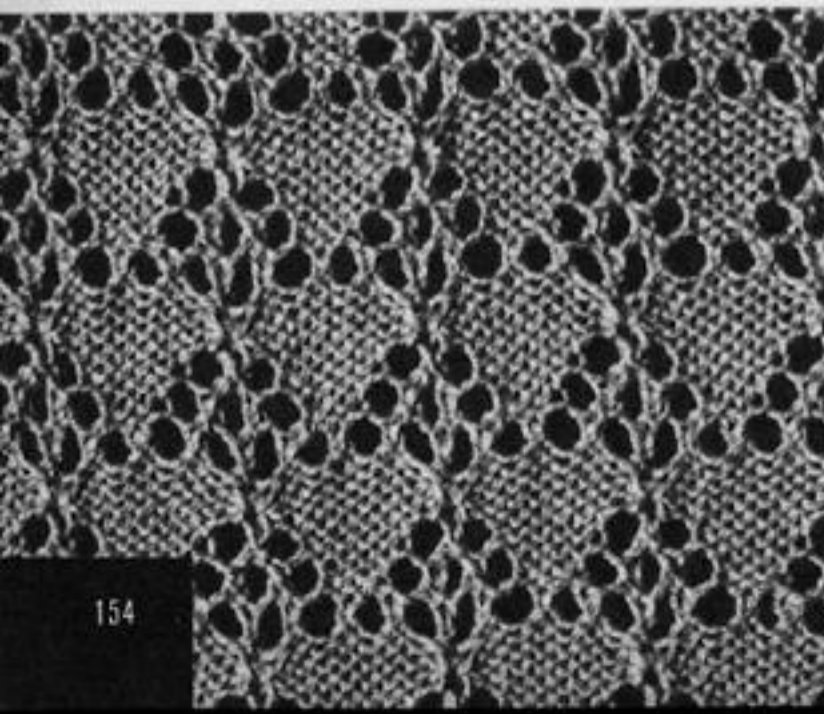
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Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
12	1											
11	1											
10	1											
9	1											
8	1											
7	1											
6	1											
5	1											
4	1											
3	1											
2	1											
1	1											
8 sts, 12 rows = 1 pattern												



655

Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
13	1											
12	1											
11	1											
10	1											
9	1											
8	1											
7	1											
6	1											
5	1											
4	1											
3	1											
2	1											
1	1											
8 sts, 12 rows = 1 pattern												



656

Steps	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
9	1											
8	1											
7	1											
6	1											
5	1											
4	1											
3	1											
2	1											
1	1											
8 sts, 10 rows = 1 pattern												

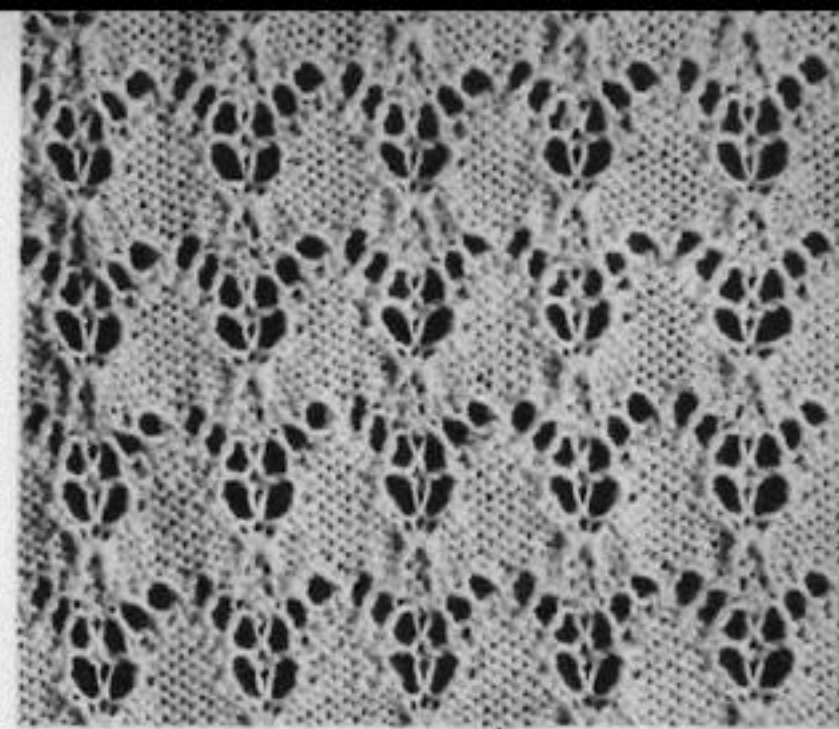
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8
10	→	1	1	1	1	1	1	1	1	1	1	1	1	1
9	→	1	1	1	1	1	1	1	1	1	1	1	1	1
8	→	1	1	1	1	1	1	1	1	1	1	1	1	1
7	→	1	1	1	1	1	1	1	1	1	1	1	1	1
6	→	1	1	1	1	1	1	1	1	1	1	1	1	1
5	→	1	1	1	1	1	1	1	1	1	1	1	1	1
4	→	1	1	1	1	1	1	1	1	1	1	1	1	1
3	→	1	1	1	1	1	1	1	1	1	1	1	1	1
2	→	1	1	1	1	1	1	1	1	1	1	1	1	1
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1

Carriage

Apparatus

8 sts, 12 row=1 pattern

Symbols of Stitch



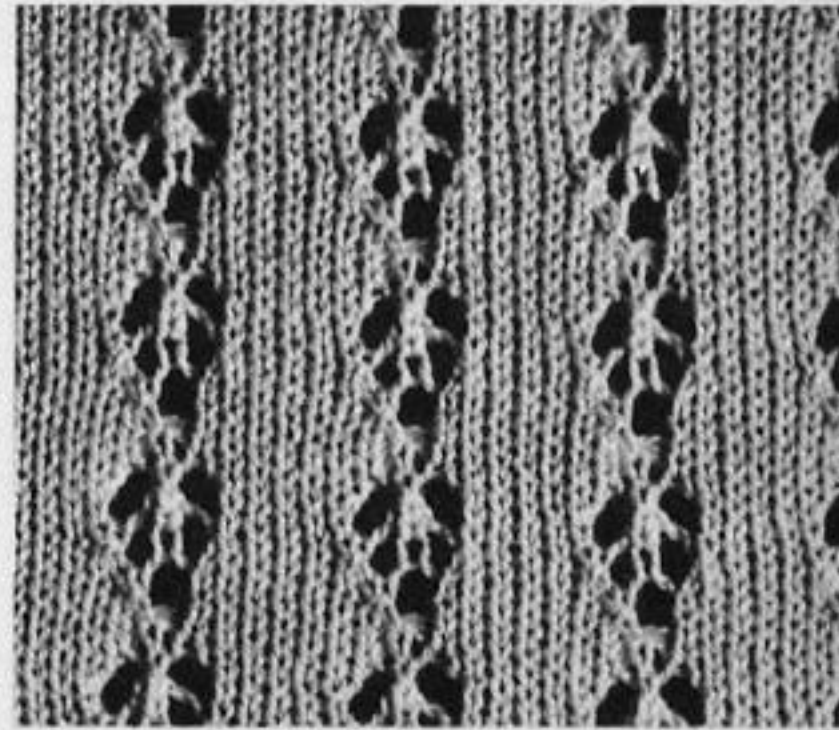
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8
10	→	1	1	1	1	1	1	1	1	1	1	1	1	1
9	→	1	1	1	1	1	1	1	1	1	1	1	1	1
8	→	1	1	1	1	1	1	1	1	1	1	1	1	1
7	→	1	1	1	1	1	1	1	1	1	1	1	1	1
6	→	1	1	1	1	1	1	1	1	1	1	1	1	1
5	→	1	1	1	1	1	1	1	1	1	1	1	1	1
4	→	1	1	1	1	1	1	1	1	1	1	1	1	1
3	→	1	1	1	1	1	1	1	1	1	1	1	1	1
2	→	1	1	1	1	1	1	1	1	1	1	1	1	1
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1

Carriage

Apparatus

8 sts, 10 row=1 pattern

Symbols of Stitch



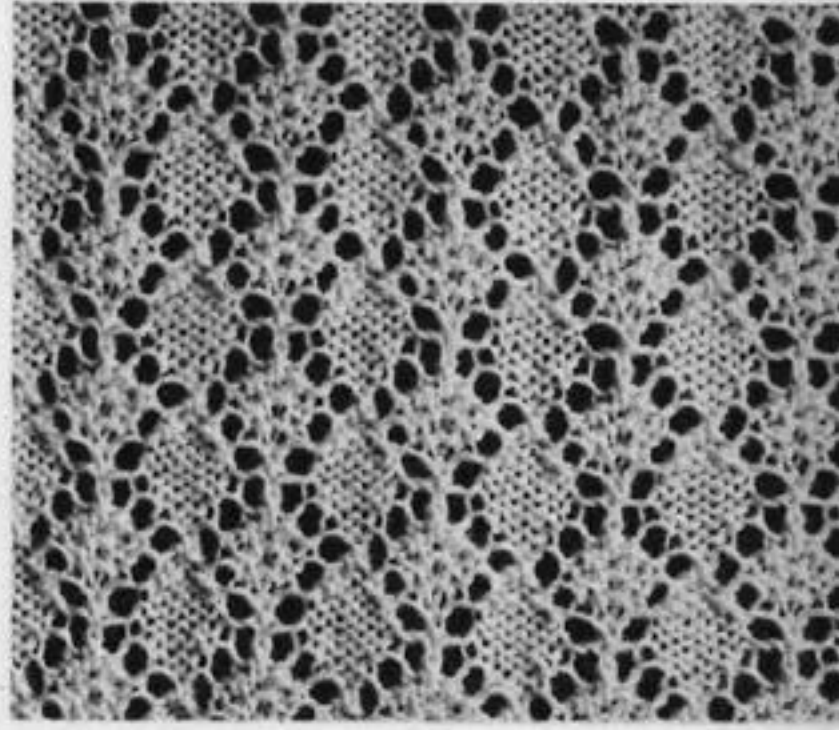
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8
10	→	1	1	1	1	1	1	1	1	1	1	1	1	1
9	→	1	1	1	1	1	1	1	1	1	1	1	1	1
8	→	1	1	1	1	1	1	1	1	1	1	1	1	1
7	→	1	1	1	1	1	1	1	1	1	1	1	1	1
6	→	1	1	1	1	1	1	1	1	1	1	1	1	1
5	→	1	1	1	1	1	1	1	1	1	1	1	1	1
4	→	1	1	1	1	1	1	1	1	1	1	1	1	1
3	→	1	1	1	1	1	1	1	1	1	1	1	1	1
2	→	1	1	1	1	1	1	1	1	1	1	1	1	1
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1

Carriage

Apparatus

8 sts, 10 row=1 pattern

Symbols of Stitch



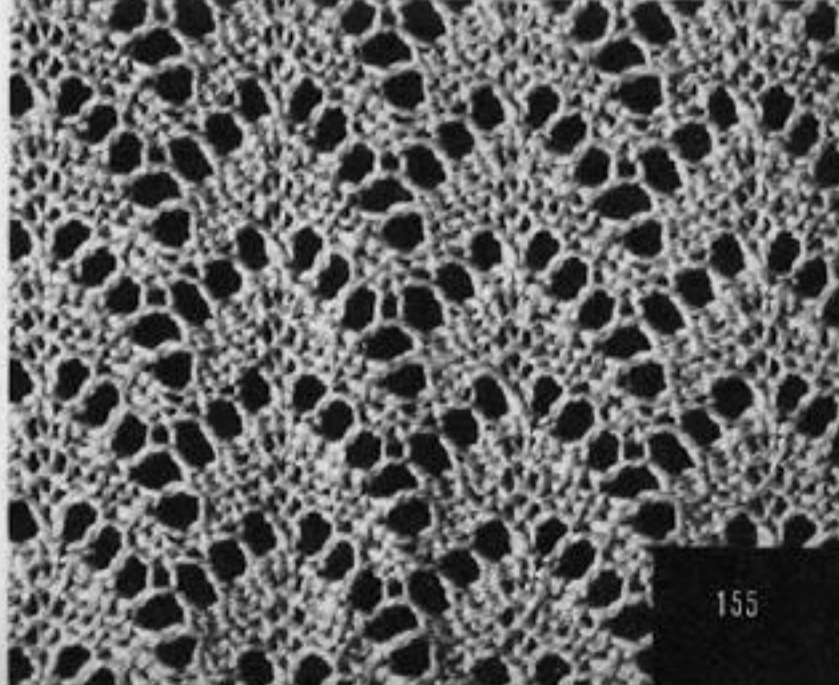
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8
10	→	1	1	1	1	1	1	1	1	1	1	1	1	1
9	→	1	1	1	1	1	1	1	1	1	1	1	1	1
8	→	1	1	1	1	1	1	1	1	1	1	1	1	1
7	→	1	1	1	1	1	1	1	1	1	1	1	1	1
6	→	1	1	1	1	1	1	1	1	1	1	1	1	1
5	→	1	1	1	1	1	1	1	1	1	1	1	1	1
4	→	1	1	1	1	1	1	1	1	1	1	1	1	1
3	→	1	1	1	1	1	1	1	1	1	1	1	1	1
2	→	1	1	1	1	1	1	1	1	1	1	1	1	1
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1

Carriage

Apparatus

8 sts, 8 row=1 pattern

Symbols of Stitch



Steps	12	11	10	9	8	7	6	5	4	3	2	1
Carriage Direction	↑	↓	↑	↓	↑	↓	↑	↓	↑	↓	↑	↓
Color												
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12
H. C. L. Left	1	2	3	4	5	6	7	8	9	10	11	12
H. C. L. Right	1	2	3	4	5	6	7	8	9	10	11	12
Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12
Needle Selection	1	2	3	4	5	6	7	8	9	10	11	12
Reverse Knob												
Slide Dial												
Apparatus												
8 sts, 12 rows = 1 pattern												

Weaving Thread												
Dir. of L-Carriage												
1	U											
2		U										
3			U									
4				U								
5					U							
6						U						
7							U					
8								U				
9									U			
10										U		
11											U	
12												U

Symbols of Stitch

Steps	9	8	7	6	5	4	3	2	1
Carriage Direction	↑	↓	↑	↓	↑	↓	↑	↓	↑
Color									
Tension Dial	1	2	3	4	5	6	7	8	9
H. C. L. Left	1	2	3	4	5	6	7	8	9
H. C. L. Right	1	2	3	4	5	6	7	8	9
Weaving Apparatus	1	2	3	4	5	6	7	8	9
Needle Selection	1	2	3	4	5	6	7	8	9
Reverse Knob									
Slide Dial									
Apparatus									
8 sts, 8 rows = 1 pattern									

Weaving Thread									
Dir. of L-Carriage									
1	U								
2		U							
3			U						
4				U					
5					U				
6						U			
7							U		
8								U	
9									U

Symbols of Stitch

Steps	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Carriage Direction	↑	↓	↑	↓	↑	↓	↑	↓	↑	↓	↑	↓	↑	↓	↑	↓
Color																
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
H. C. L. Left	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
H. C. L. Right	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Needle Selection	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Reverse Knob																
Slide Dial																
Apparatus																
8 sts, 16 rows = 1 pattern																

Weaving Thread																
Dir. of L-Carriage																
1	U															
2		U														
3			U													
4				U												
5					U											
6						U										
7							U									
8								U								
9									U							
10										U						
11											U					
12												U				
13													U			
14														U		
15															U	
16																U

Symbols of Stitch

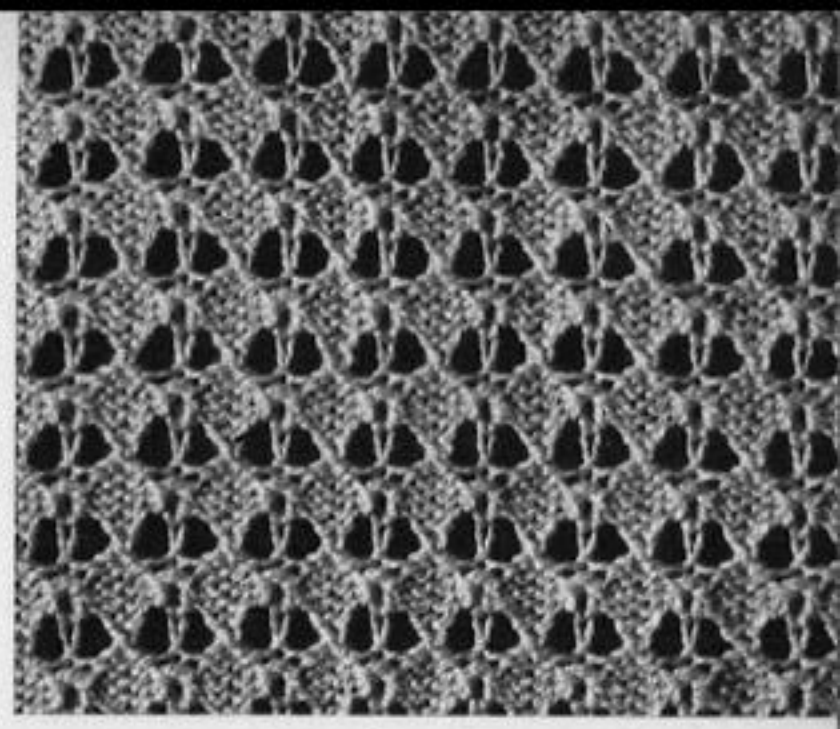
Steps	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Carriage Direction	↑	↓	↑	↓	↑	↓	↑	↓	↑	↓	↑	↓	↑	↓
Color														
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12	13	14
H. C. L. Left	1	2	3	4	5	6	7	8	9	10	11	12	13	14
H. C. L. Right	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Weaving Apparatus	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Needle Selection	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Reverse Knob														
Slide Dial														
Apparatus														
8 sts, 12 rows = 1 pattern														

Weaving Thread														
Dir. of L-Carriage														
1	U													
2		U												
3			U											
4				U										
5					U									
6						U								
7							U							
8								U						
9									U					
10										U				
11											U			
12												U		
13													U	
14														U

Symbols of Stitch

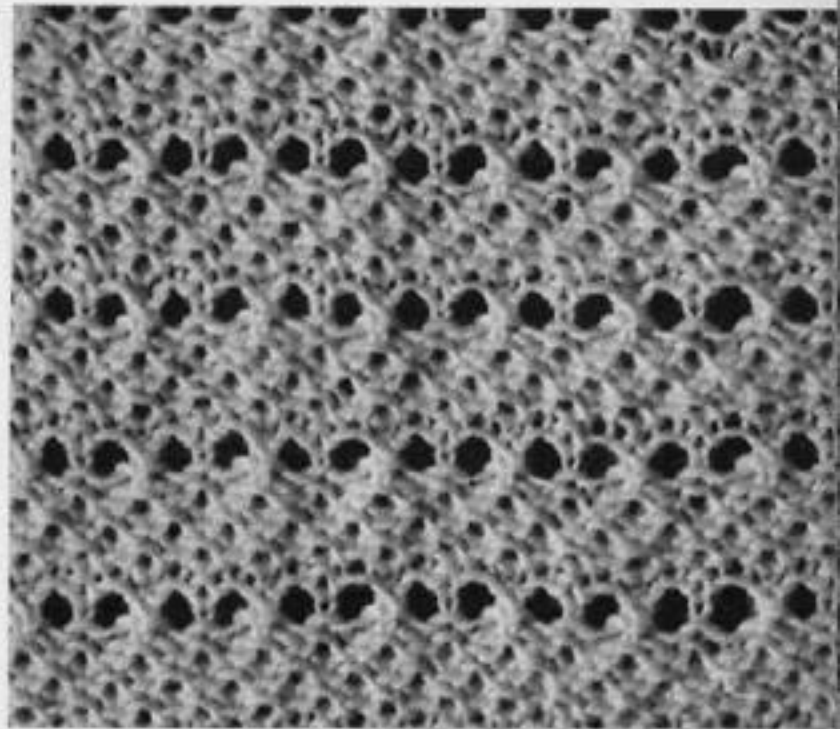
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch
10	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	←	2	1	1	1	1	1	1	1	1	1	1	1	1	1
8	→	3	1	1	1	1	1	1	1	1	1	1	1	1	1
7	←	4	1	1	1	1	1	1	1	1	1	1	1	1	1
6	→	5	1	1	1	1	1	1	1	1	1	1	1	1	1
5	←	6	1	1	1	1	1	1	1	1	1	1	1	1	1
4	→	7	1	1	1	1	1	1	1	1	1	1	1	1	1
3	←	8	1	1	1	1	1	1	1	1	1	1	1	1	1
2	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	←	2	1	1	1	1	1	1	1	1	1	1	1	1	1

4 sts, 6 row=1 pattern



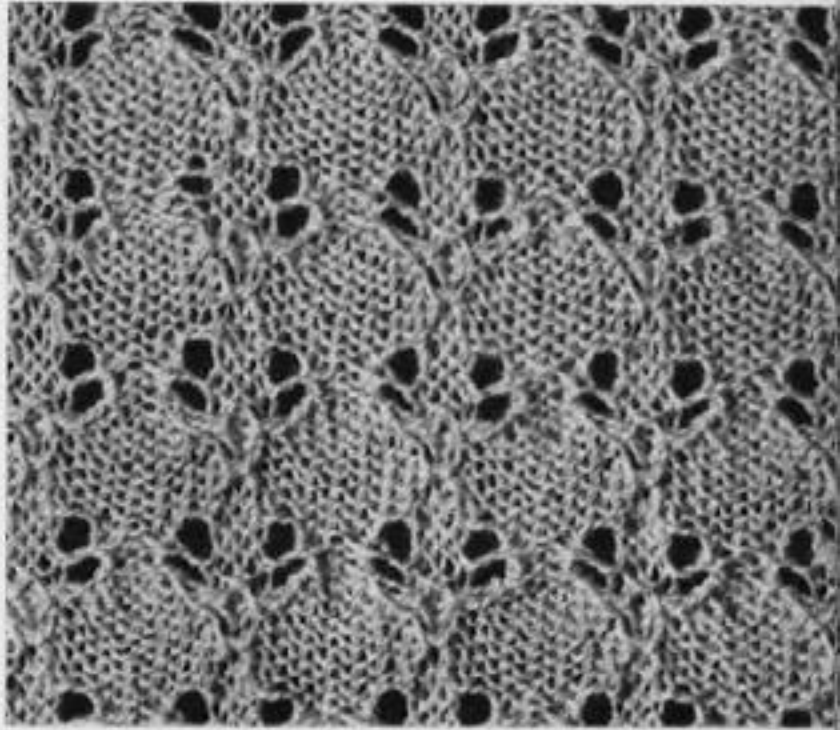
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch
10	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	←	2	1	1	1	1	1	1	1	1	1	1	1	1	1
8	→	3	1	1	1	1	1	1	1	1	1	1	1	1	1
7	←	4	1	1	1	1	1	1	1	1	1	1	1	1	1
6	→	5	1	1	1	1	1	1	1	1	1	1	1	1	1
5	←	6	1	1	1	1	1	1	1	1	1	1	1	1	1
4	→	7	1	1	1	1	1	1	1	1	1	1	1	1	1
3	←	8	1	1	1	1	1	1	1	1	1	1	1	1	1
2	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	←	2	1	1	1	1	1	1	1	1	1	1	1	1	1

4 sts, 10 row=1 pattern



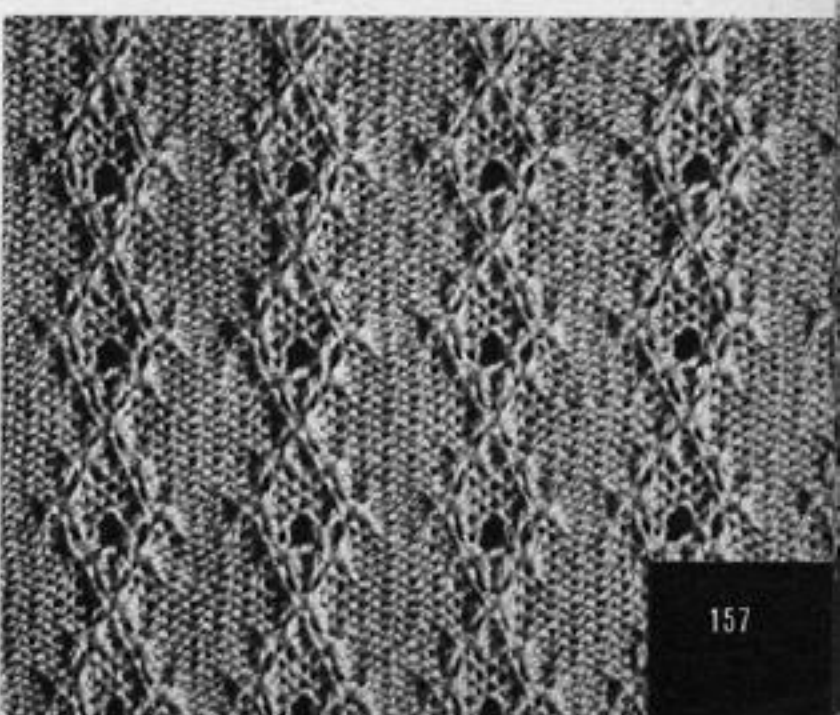
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch
12	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	←	2	1	1	1	1	1	1	1	1	1	1	1	1	1
10	→	3	1	1	1	1	1	1	1	1	1	1	1	1	1
9	←	4	1	1	1	1	1	1	1	1	1	1	1	1	1
8	→	5	1	1	1	1	1	1	1	1	1	1	1	1	1
7	←	6	1	1	1	1	1	1	1	1	1	1	1	1	1
6	→	7	1	1	1	1	1	1	1	1	1	1	1	1	1
5	←	8	1	1	1	1	1	1	1	1	1	1	1	1	1
4	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	←	2	1	1	1	1	1	1	1	1	1	1	1	1	1
2	→	3	1	1	1	1	1	1	1	1	1	1	1	1	1
1	←	4	1	1	1	1	1	1	1	1	1	1	1	1	1

8 sts, 12 row=1 pattern

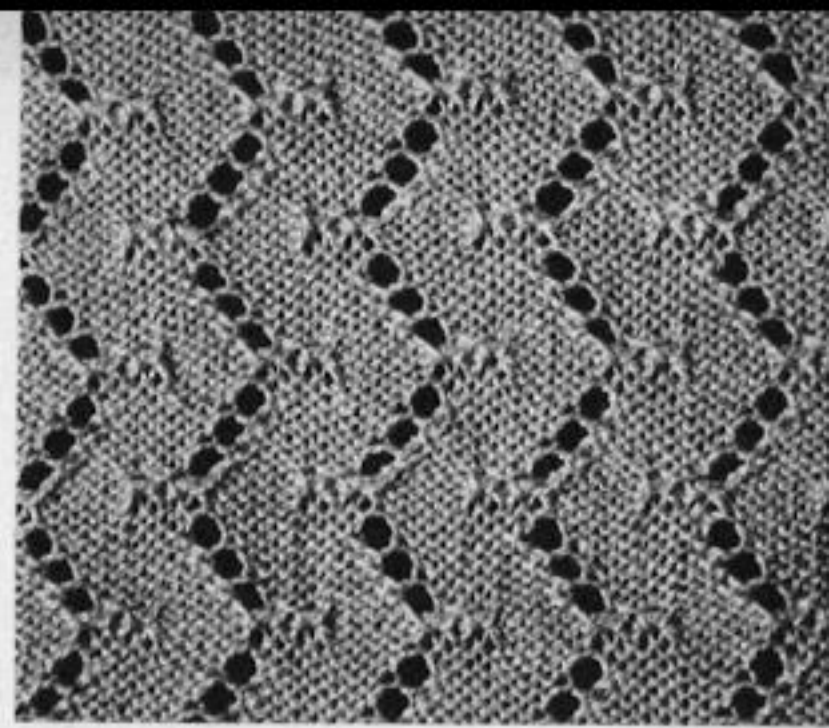


Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch
17	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	←	2	1	1	1	1	1	1	1	1	1	1	1	1	1
15	→	3	1	1	1	1	1	1	1	1	1	1	1	1	1
14	←	4	1	1	1	1	1	1	1	1	1	1	1	1	1
13	→	5	1	1	1	1	1	1	1	1	1	1	1	1	1
12	←	6	1	1	1	1	1	1	1	1	1	1	1	1	1
11	→	7	1	1	1	1	1	1	1	1	1	1	1	1	1
10	←	8	1	1	1	1	1	1	1	1	1	1	1	1	1
9	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	←	2	1	1	1	1	1	1	1	1	1	1	1	1	1
7	→	3	1	1	1	1	1	1	1	1	1	1	1	1	1
6	←	4	1	1	1	1	1	1	1	1	1	1	1	1	1
5	→	5	1	1	1	1	1	1	1	1	1	1	1	1	1
4	←	6	1	1	1	1	1	1	1	1	1	1	1	1	1
3	→	7	1	1	1	1	1	1	1	1	1	1	1	1	1
2	←	8	1	1	1	1	1	1	1	1	1	1	1	1	1
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1

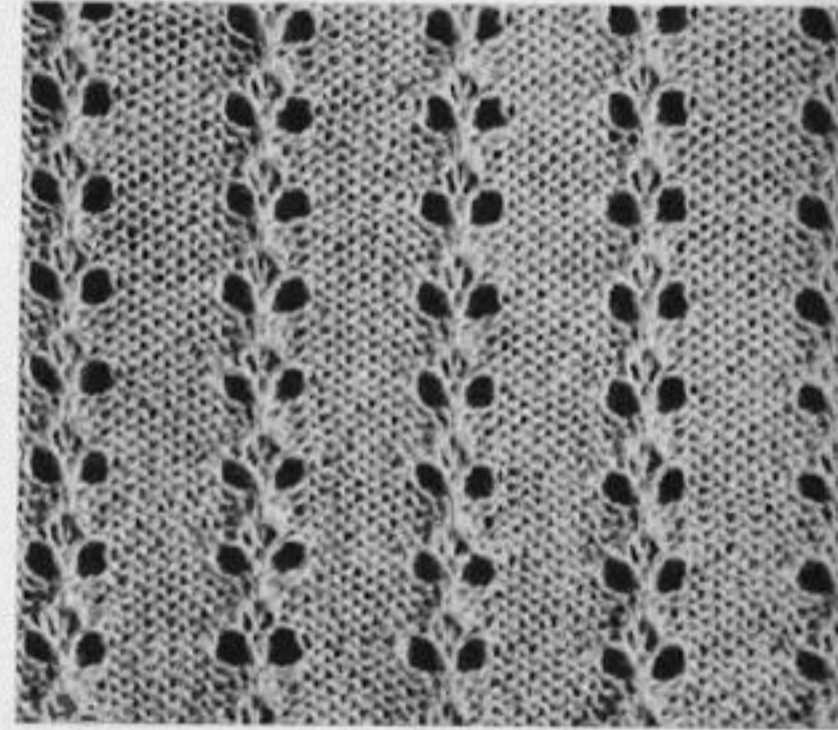
8 sts, 16 row=1 pattern



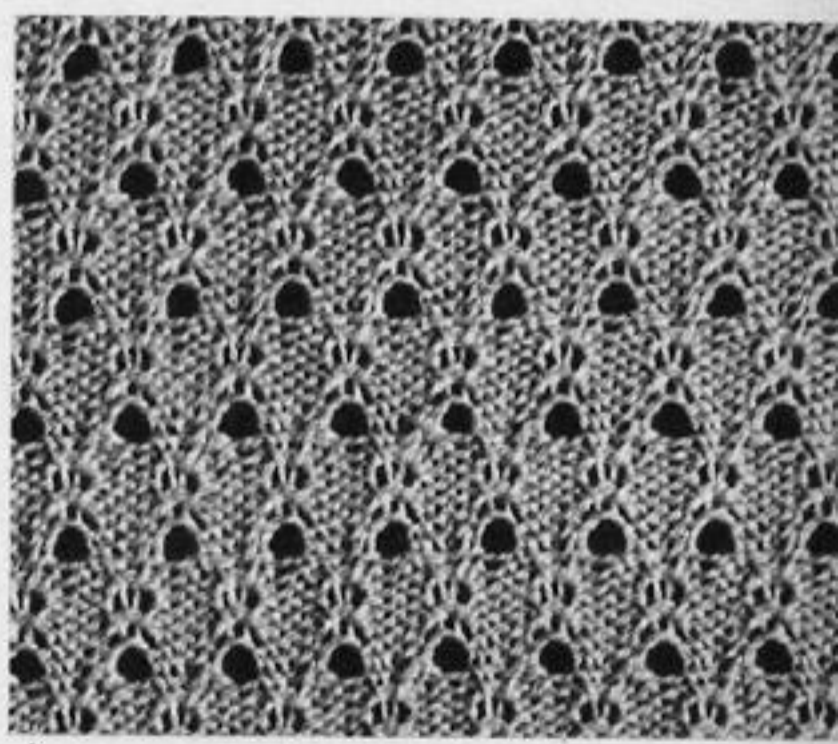
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage
1	→	1	0	0	0	0	1	0	0	0	→
2	→	2	0	0	0	0	2	0	0	0	→
3	→	3	0	0	0	0	3	0	0	0	→
4	→	4	0	0	0	0	4	0	0	0	→
5	→	5	0	0	0	0	5	0	0	0	→
6	→	6	0	0	0	0	6	0	0	0	→
7	→	7	0	0	0	0	7	0	0	0	→
8	→	8	0	0	0	0	8	0	0	0	→
9	→	9	0	0	0	0	9	0	0	0	→
10	→	10	0	0	0	0	10	0	0	0	→
11	→	11	0	0	0	0	11	0	0	0	→
12	→	12	0	0	0	0	12	0	0	0	→
13	→	13	0	0	0	0	13	0	0	0	→
14	→	14	0	0	0	0	14	0	0	0	→
15	→	15	0	0	0	0	15	0	0	0	→
16	→	16	0	0	0	0	16	0	0	0	→
17	→	17	0	0	0	0	17	0	0	0	→
18	→	18	0	0	0	0	18	0	0	0	→
19	→	19	0	0	0	0	19	0	0	0	→
20	→	20	0	0	0	0	20	0	0	0	→
Carriage		TUCK PLAIN PART		H. C. L. Right		Apparatus		Weaving Thread		Dir. of L-Carriage	
						8 sts, 20 row = 1 pattern				Symbols of Stitch	



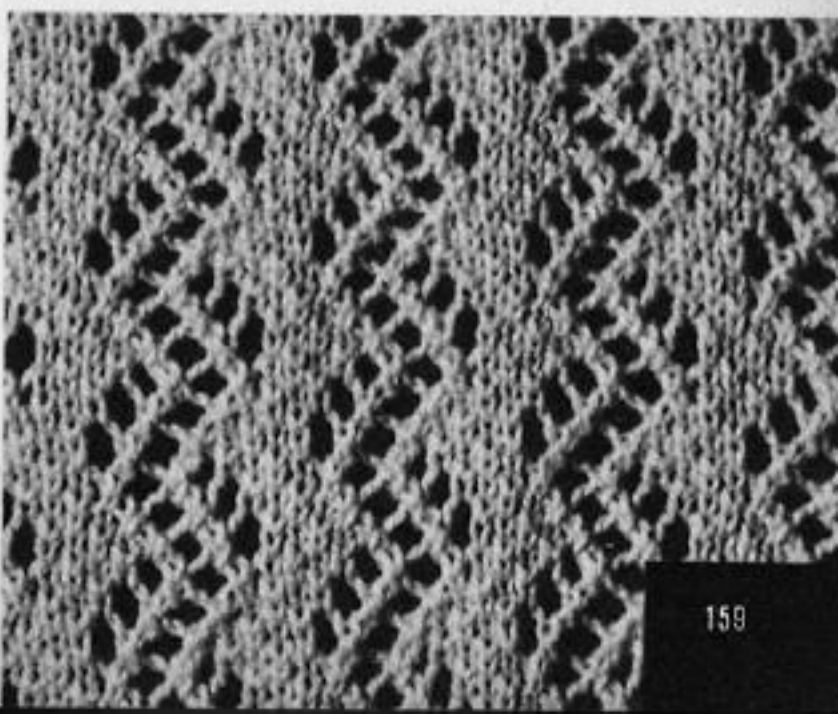
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage
1	→	1	0	0	0	0	1	0	0	0	→
2	→	2	0	0	0	0	2	0	0	0	→
3	→	3	0	0	0	0	3	0	0	0	→
4	→	4	0	0	0	0	4	0	0	0	→
5	→	5	0	0	0	0	5	0	0	0	→
6	→	6	0	0	0	0	6	0	0	0	→
7	→	7	0	0	0	0	7	0	0	0	→
8	→	8	0	0	0	0	8	0	0	0	→
9	→	9	0	0	0	0	9	0	0	0	→
10	→	10	0	0	0	0	10	0	0	0	→
11	→	11	0	0	0	0	11	0	0	0	→
12	→	12	0	0	0	0	12	0	0	0	→
13	→	13	0	0	0	0	13	0	0	0	→
14	→	14	0	0	0	0	14	0	0	0	→
15	→	15	0	0	0	0	15	0	0	0	→
16	→	16	0	0	0	0	16	0	0	0	→
17	→	17	0	0	0	0	17	0	0	0	→
18	→	18	0	0	0	0	18	0	0	0	→
19	→	19	0	0	0	0	19	0	0	0	→
20	→	20	0	0	0	0	20	0	0	0	→
Carriage		TUCK PLAIN PART		H. C. L. Right		Apparatus		Weaving Thread		Dir. of L-Carriage	
						8 sts, 6 row = 1 pattern				Symbols of Stitch	



Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage
1	→	1	0	0	0	0	1	0	0	0	→
2	→	2	0	0	0	0	2	0	0	0	→
3	→	3	0	0	0	0	3	0	0	0	→
4	→	4	0	0	0	0	4	0	0	0	→
5	→	5	0	0	0	0	5	0	0	0	→
6	→	6	0	0	0	0	6	0	0	0	→
7	→	7	0	0	0	0	7	0	0	0	→
8	→	8	0	0	0	0	8	0	0	0	→
9	→	9	0	0	0	0	9	0	0	0	→
10	→	10	0	0	0	0	10	0	0	0	→
11	→	11	0	0	0	0	11	0	0	0	→
12	→	12	0	0	0	0	12	0	0	0	→
13	→	13	0	0	0	0	13	0	0	0	→
14	→	14	0	0	0	0	14	0	0	0	→
15	→	15	0	0	0	0	15	0	0	0	→
16	→	16	0	0	0	0	16	0	0	0	→
17	→	17	0	0	0	0	17	0	0	0	→
18	→	18	0	0	0	0	18	0	0	0	→
19	→	19	0	0	0	0	19	0	0	0	→
20	→	20	0	0	0	0	20	0	0	0	→
Carriage		TUCK PLAIN PART		H. C. L. Right		Apparatus		Weaving Thread		Dir. of L-Carriage	
						4 sts, 16 row = 1 pattern				Symbols of Stitch	

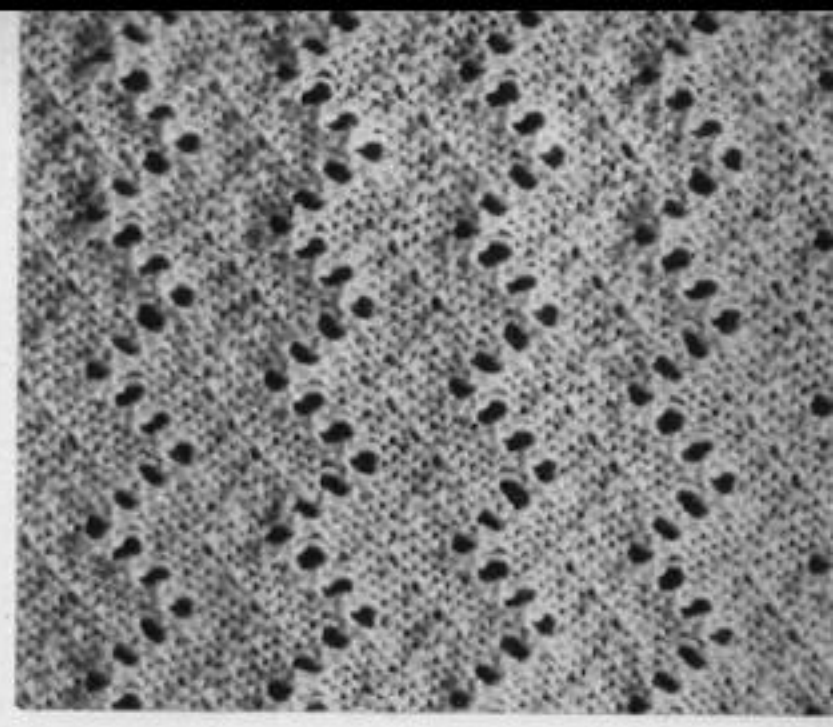


Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage
1	→	1	0	0	0	0	1	0	0	0	→
2	→	2	0	0	0	0	2	0	0	0	→
3	→	3	0	0	0	0	3	0	0	0	→
4	→	4	0	0	0	0	4	0	0	0	→
5	→	5	0	0	0	0	5	0	0	0	→
6	→	6	0	0	0	0	6	0	0	0	→
7	→	7	0	0	0	0	7	0	0	0	→
8	→	8	0	0	0	0	8	0	0	0	→
9	→	9	0	0	0	0	9	0	0	0	→
10	→	10	0	0	0	0	10	0	0	0	→
11	→	11	0	0	0	0	11	0	0	0	→
12	→	12	0	0	0	0	12	0	0	0	→
13	→	13	0	0	0	0	13	0	0	0	→
14	→	14	0	0	0	0	14	0	0	0	→
15	→	15	0	0	0	0	15	0	0	0	→
16	→	16	0	0	0	0	16	0	0	0	→
17	→	17	0	0	0	0	17	0	0	0	→
18	→	18	0	0	0	0	18	0	0	0	→
19	→	19	0	0	0	0	19	0	0	0	→
20	→	20	0	0	0	0	20	0	0	0	→
Carriage		TUCK PLAIN PART		H. C. L. Right		Apparatus		Weaving Thread		Dir. of L-Carriage	
						8 sts, 12 row = 1 pattern				Symbols of Stitch	



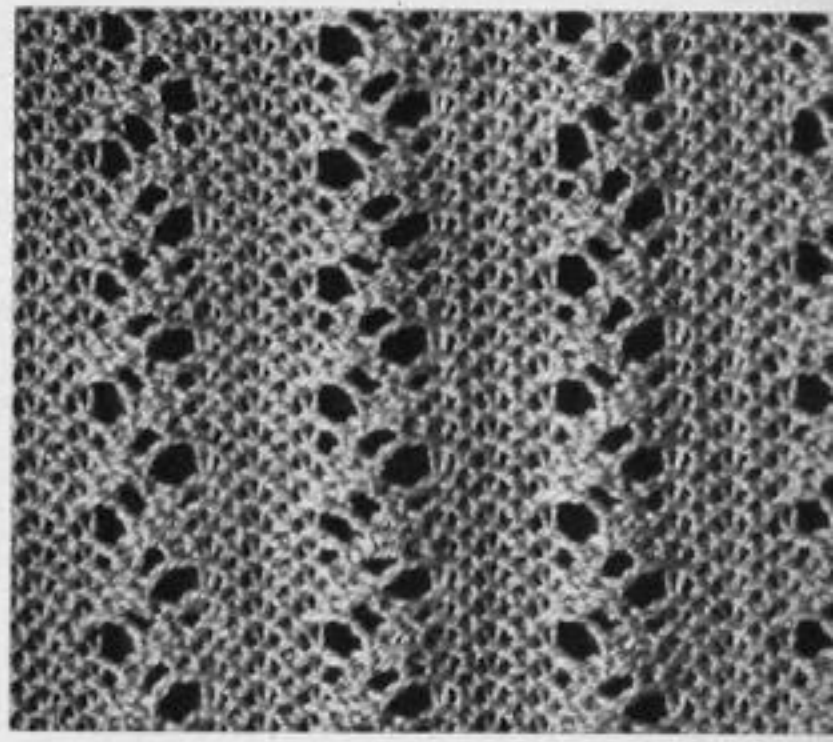
681

Steps	1	2	3	4	5	6	7	8		
Carriage Direction										
Color										
Tension Dial										
H. C. L. Left										
Carriage		TUCK	PLAIN	PART						
H. C. L. Right										
Weaving Apparatus										
Apparatus		1	2	3	4	5	6	7	8	
8 sts, 12 row=1 pattern										
Weaving Thread										
Dir. of L-Carriage										
Symbols of Stitch		1	2	3	4	5	6	7	8	
		X				◇				



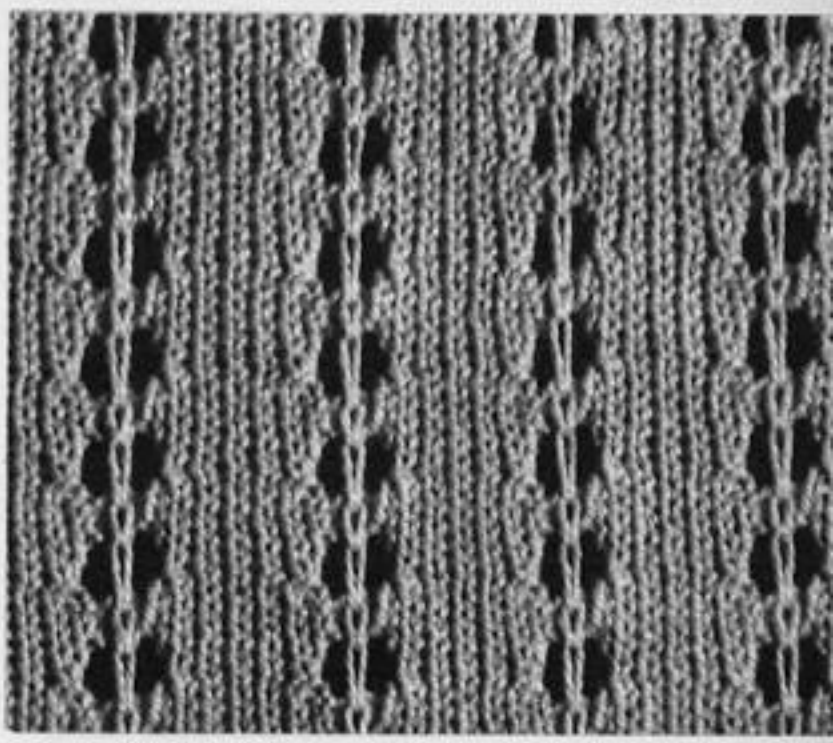
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Steps	1	2	3	4	5	6	7	8		
Carriage Direction										
Color										
Tension Dial										
H. C. L. Left										
Carriage		TUCK	PLAIN	PART						
H. C. L. Right										
Weaving Apparatus										
Apparatus		1	2	3	4	5	6	7	8	
8 sts, 8 row=1 pattern										
Weaving Thread										
Dir. of L-Carriage										
Symbols of Stitch		1	2	3	4	5	6	7	8	
		X				◇				



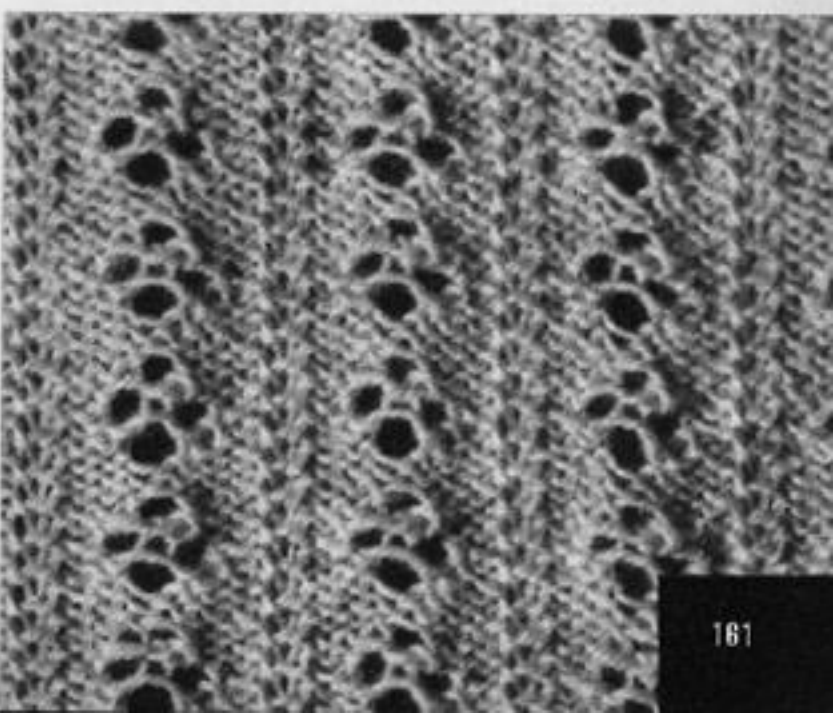
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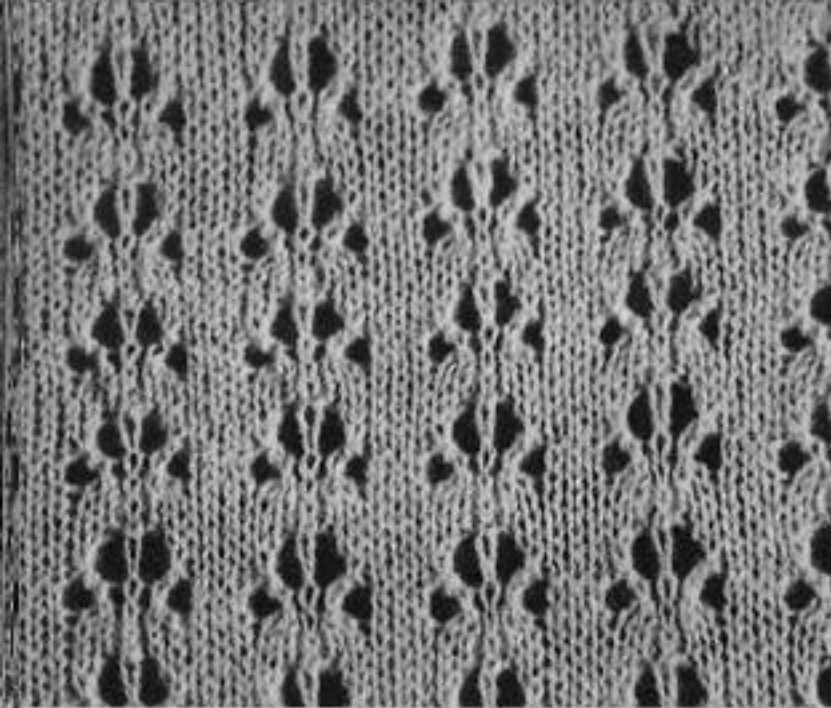
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Carriage Direction										
Color										
Tension Dial										
H. C. L. Left										
Carriage		TUCK	PLAIN	PART						
H. C. L. Right										
Weaving Apparatus										
Apparatus		1	2	3	4	5	6	7	8	
8 sts, 6 row=1 pattern										
Weaving Thread										
Dir. of L-Carriage										
Symbols of Stitch		1	2	3	4	5	6	7	8	
		X				◇				



684

Steps	1	2	3	4	5	6	7	8		
Carriage Direction										
Color										
Tension Dial										
H. C. L. Left										
Carriage		TUCK	PLAIN	PART						
H. C. L. Right										
Weaving Apparatus										
Apparatus		1	2	3	4	5	6	7	8	
8 sts, 8 row=1 pattern										
Weaving Thread										
Dir. of L-Carriage										
Symbols of Stitch		1	2	3	4	5	6	7	8	
		X				◇				



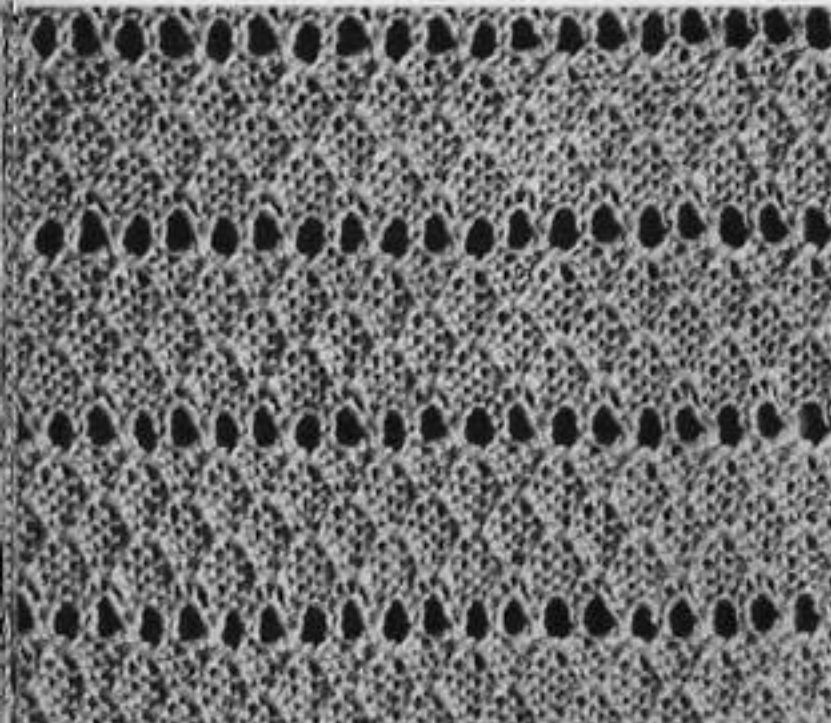


685

8																				
7																				
6																				
5																				
4																				
3																				
2																				
1																				
Carriage	Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage								

Apparatus
8 sts, 8 row=1 pattern

Symbols of Stitch
1 2 3 4 5 6 7 8

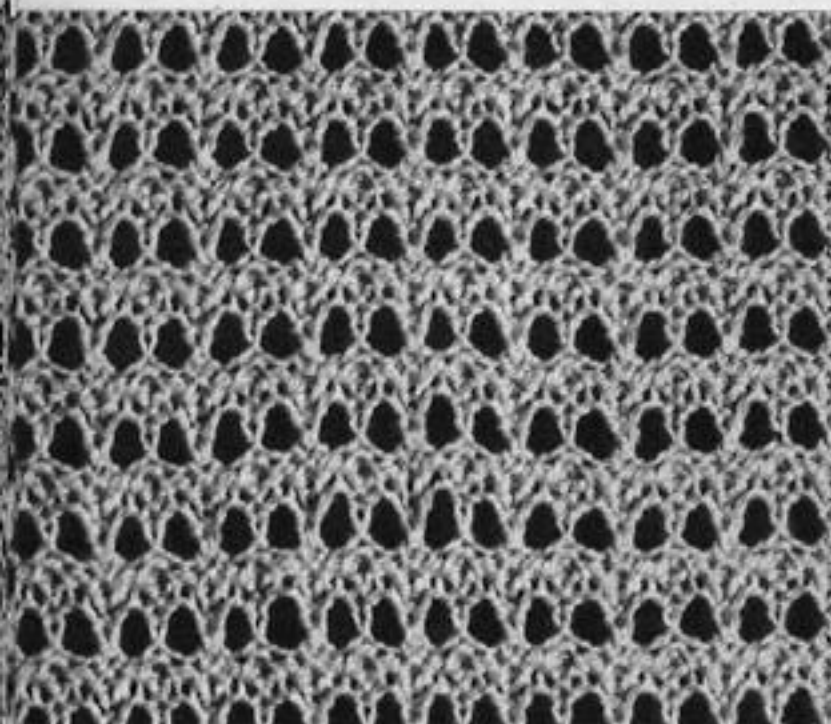


686

14																				
13																				
12																				
11																				
10																				
9																				
8																				
7																				
6																				
5																				
4																				
3																				
2																				
1																				
Carriage	Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage								

Apparatus
4 sts, 4 row=1 pattern

Symbols of Stitch
1 2 3 4 5 6 7 8

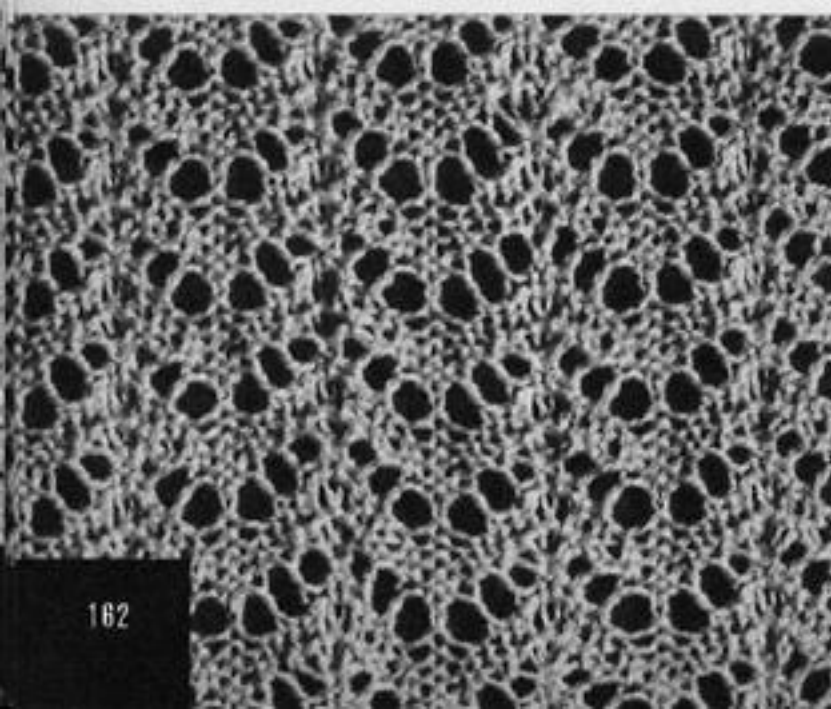


687

8																				
7																				
6																				
5																				
4																				
3																				
2																				
1																				
Carriage	Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage								

Apparatus
4 sts, 6 row=1 pattern

Symbols of Stitch
1 2 3 4 5 6 7 8



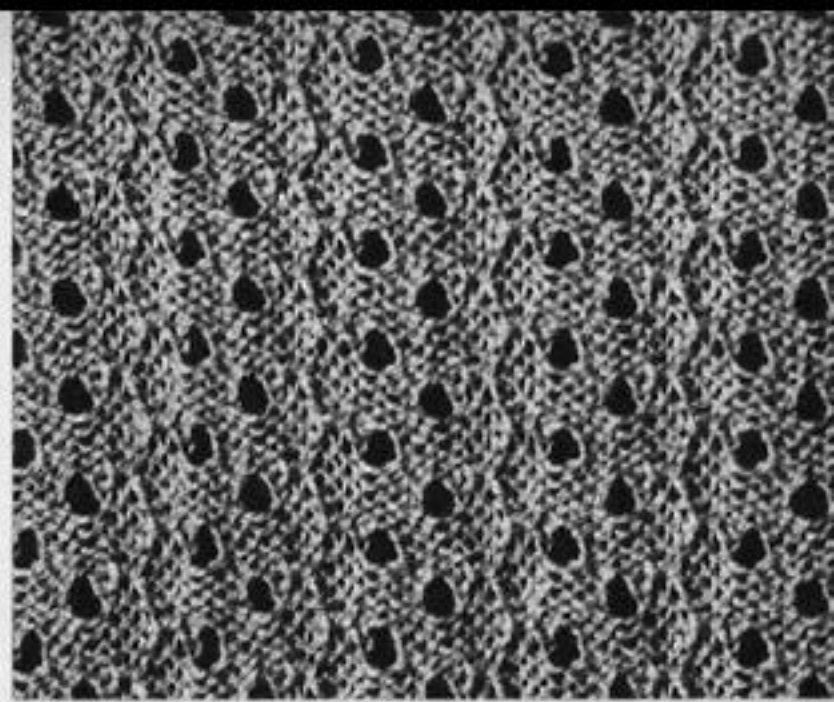
688

14																				
13																				
12																				
11																				
10																				
9																				
8																				
7																				
6																				
5																				
4																				
3																				
2																				
1																				
Carriage	Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage								

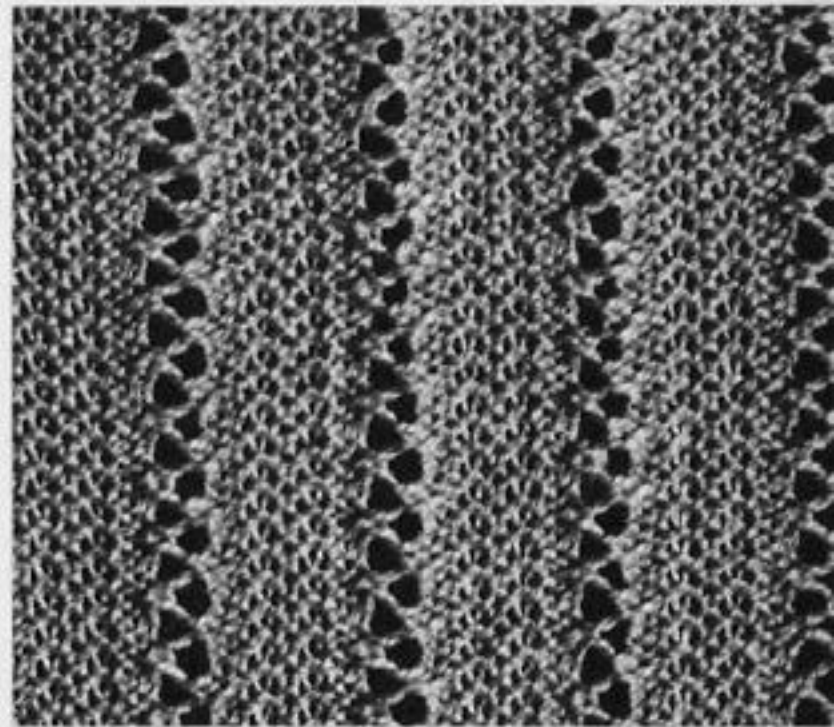
Apparatus
8 sts, 6 row=1 pattern

Symbols of Stitch
1 2 3 4 5 6 7 8

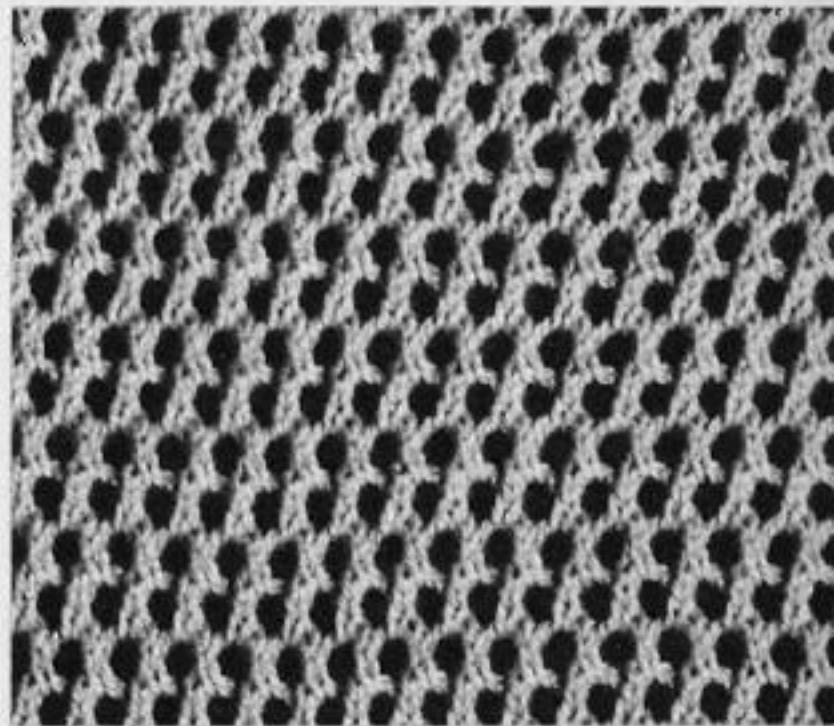
Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Left	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
H. C. L. Right	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
Carriage																
Apparatus	8 sts, 6 row=1 pattern								Weaving Thread Dir. of L-Carriage							
Symbols of Stitch																



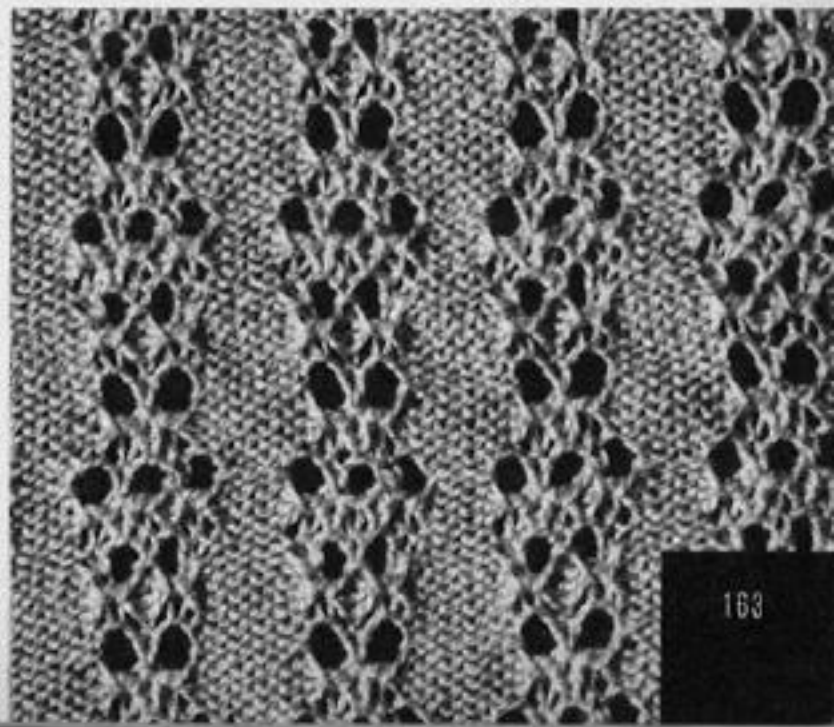
Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Left	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
H. C. L. Right	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
Carriage																
Apparatus	8 sts, 4 row=1 pattern								Weaving Thread Dir. of L-Carriage							
Symbols of Stitch																



Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Left	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
H. C. L. Right	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
Carriage																
Apparatus	2 sts, 6 row=1 pattern								Weaving Thread Dir. of L-Carriage							
Symbols of Stitch																



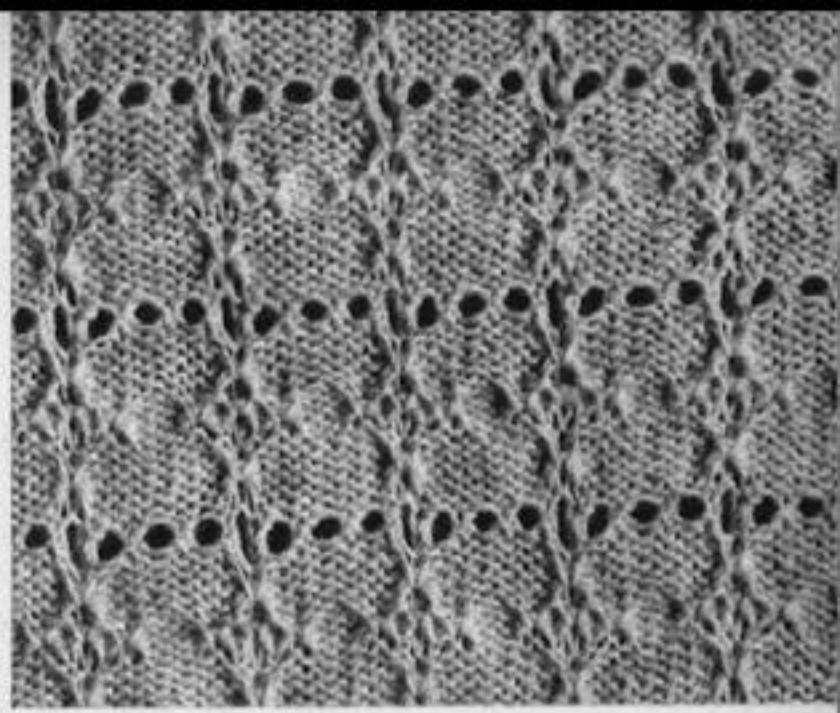
Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Left	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
H. C. L. Right	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
Carriage																
Apparatus	8 sts, 8 row=1 pattern								Weaving Thread Dir. of L-Carriage							
Symbols of Stitch																



Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Carriage Direction	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Color																		
Tension Dial																		
H. C. L. Left																		
H. C. L. Right																		
Carriage	TUCK	PLAIN	PART															
Weaving Apparatus																		
Needle Selection	1	2	3	4	5	6	7	8										
Reverse Knob					5													
Slide Dial																		
Apparatus																		
8 sts, 18 row = 1 pattern																		
Weaving Thread																		
Dir. of L-Carriage																		

1	2	3	4	5	6	7	8

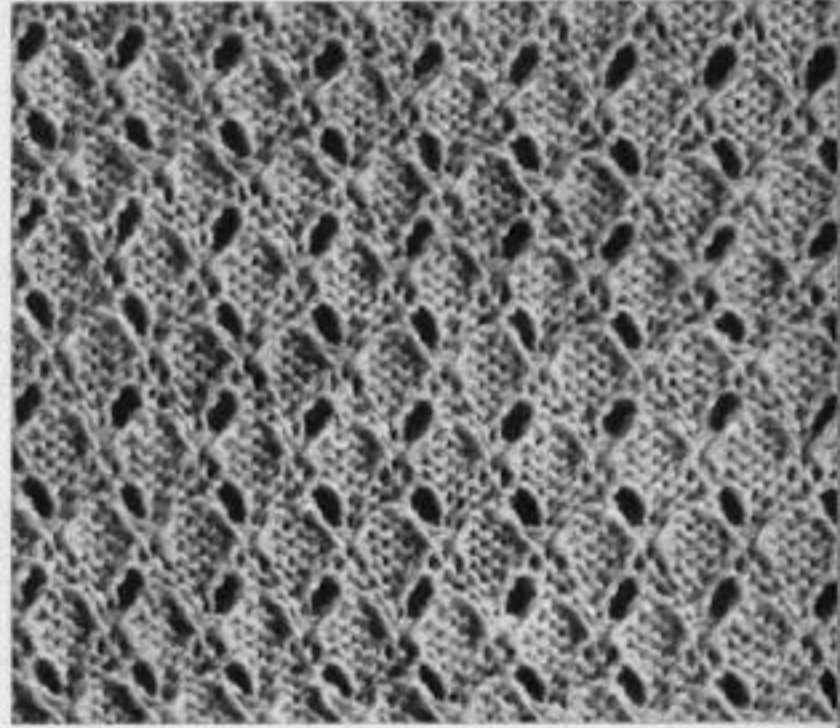
Symbols of Stitch



Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Carriage Direction	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Color																		
Tension Dial																		
H. C. L. Left																		
H. C. L. Right																		
Carriage	TUCK	PLAIN	PART															
Weaving Apparatus																		
Needle Selection	1	2	3	4	5	6	7	8										
Reverse Knob																		
Slide Dial																		
Apparatus																		
4 sts, 17 row = 1 pattern																		
Weaving Thread																		
Dir. of L-Carriage																		

1	2	3	4	5	6	7	8

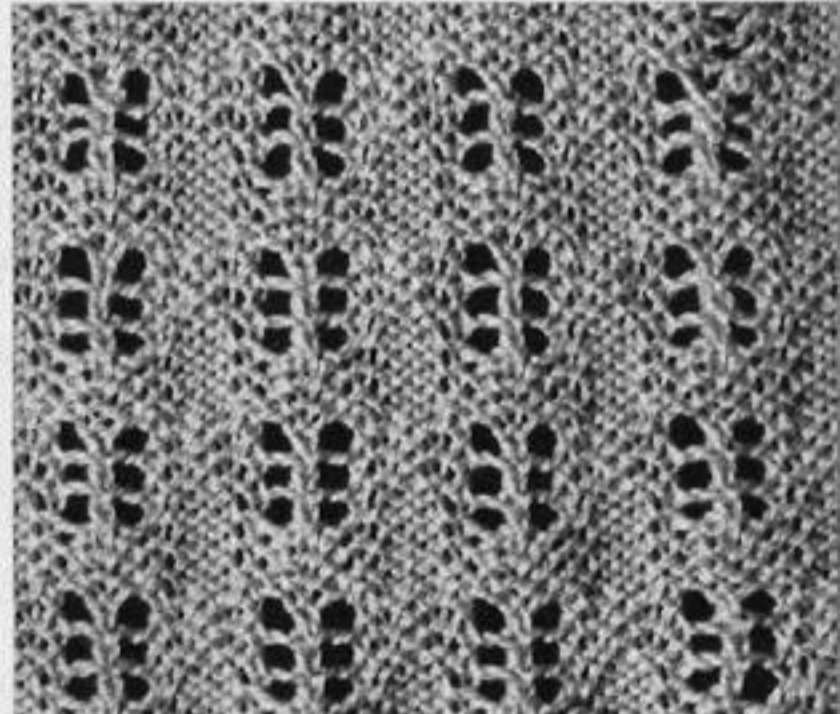
Symbols of Stitch



Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Carriage Direction	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Color																		
Tension Dial																		
H. C. L. Left																		
H. C. L. Right																		
Carriage	TUCK	PLAIN	PART															
Weaving Apparatus																		
Needle Selection	1	2	3	4	5	6	7	8										
Reverse Knob																		
Slide Dial																		
Apparatus																		
8 sts, 12 row = 1 pattern																		
Weaving Thread																		
Dir. of L-Carriage																		

1	2	3	4	5	6	7	8

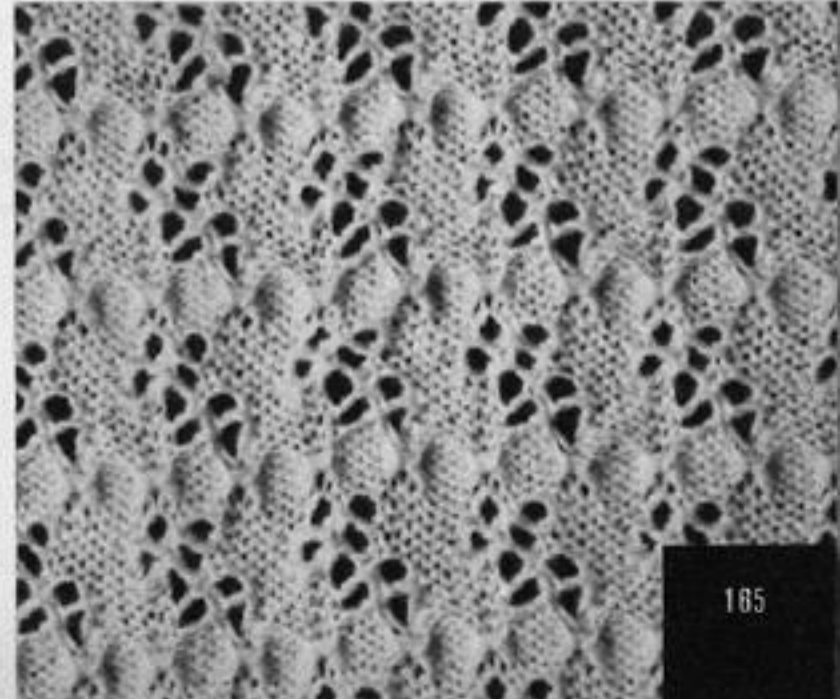
Symbols of Stitch



Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Carriage Direction	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Color																		
Tension Dial																		
H. C. L. Left																		
H. C. L. Right																		
Carriage	TUCK	PLAIN	PART															
Weaving Apparatus																		
Needle Selection	1	2	3	4	5	6	7	8										
Reverse Knob																		
Slide Dial																		
Apparatus																		
8 sts, 14 row = 1 pattern																		
Weaving Thread																		
Dir. of L-Carriage																		

1	2	3	4	5	6	7	8

Symbols of Stitch



WEAVING (THREAD KNITTING) PATTERNS

What is Weaving?

With weaving another kind of yarn or thread is woven between the basic stitches.

By changing the setting of the weaving apparatus from N to T, and laying the yarn for threading over the hooks of the selected needles, the yarn is automatically woven into the knitting when the carriage is operated.

Specialities of Weaving Patterns:

Since the yarn for weaving does not form the stitches itself, some suitable yarn must be used for base knitting. Though the elasticity of the garment is considered as one of the greatest specialities of knitting, thread knitting is comparatively less elastic. But on the other hand it has the merit to keep the shape of the garment comparing with the other types of stitches. A new type of non-stretch fabric has been created that is very popular for town wear or heavy coats. The fabric can also be cut and shaped, without the stitches running.

Basic yarn = medium heavy wool (ordinary 4 ply)

Yarn for threading = Medium heavy wool (ordinary 4 ply)

How to work weaving patterns:

2	→	"	"	"							///	///	///	///	B	"	"	
1		Q	6	I		///				I	T	1	3	5	7	A	1	Q
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left					H. C. L. Right	Weaving Apparatus					Slide Dial	Weaving Thread	Dir. of L-Carriage	
										Apparatus								
										2 sts, 2 row = 1 pattern								

CarriagePlace at the right hand side.

Yarn in feeder.....Thread the yarn feeder with the knitting yarn.

Tension dial.....Set to 6.

Change leverSet both, left and right to 1.

Cam buttons“PLAIN”.

Weaving apparatus.....Set to T.

Needle S.B.Depress buttons 1, 3, 5 and 7.

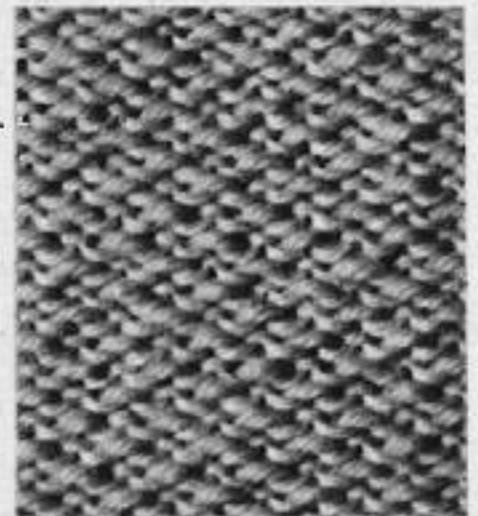
Reverse knobSet to A.

Sliding dialSet to 1.

Order of operations:

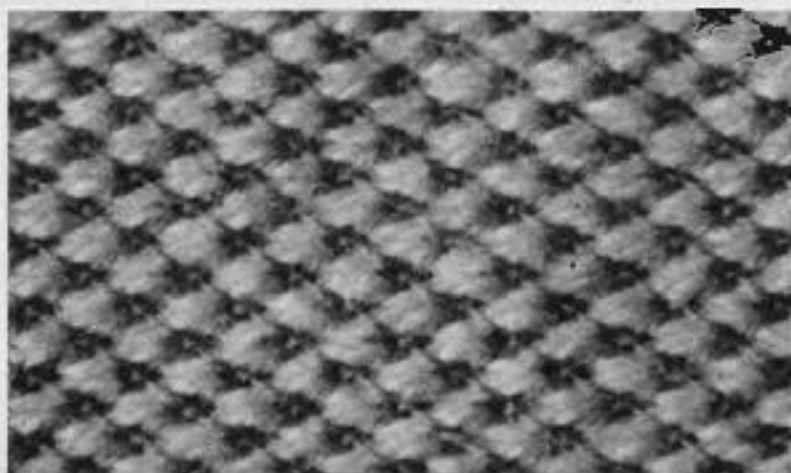
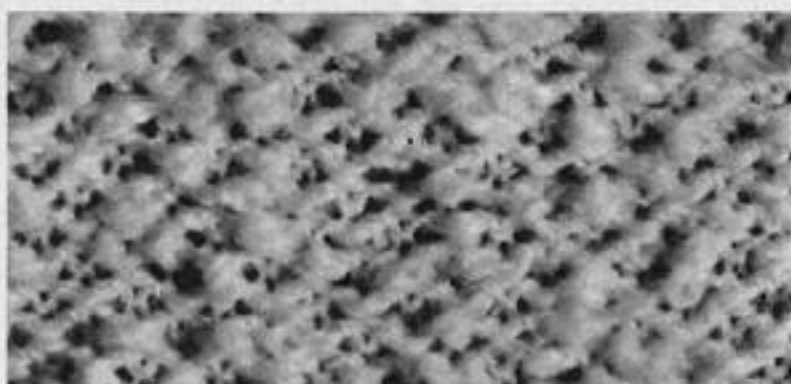
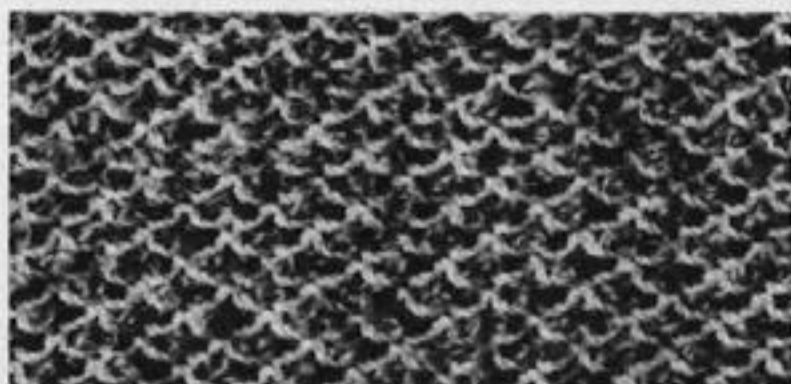
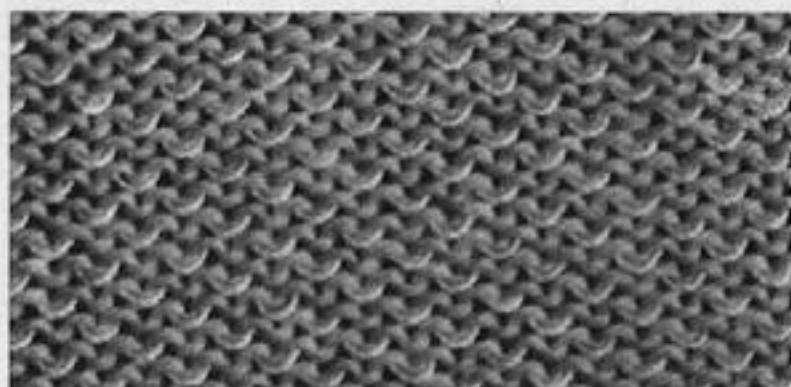
1. Arrange the needles by the set lever, lay the yarn for threading over the hooks of the needles which have been selected.
2. Lightly holding the end of the yarn in one hand, move the carriage from right to left with the other.
3. Change the Reverse knob from A to B, then arrange the needles. Place the yarn for threading over the hooks of the arranged needles.
4. Holding the end of the yarn for threading operate the carriage from left to right.

★ Repeat the steps from 1 to 4.



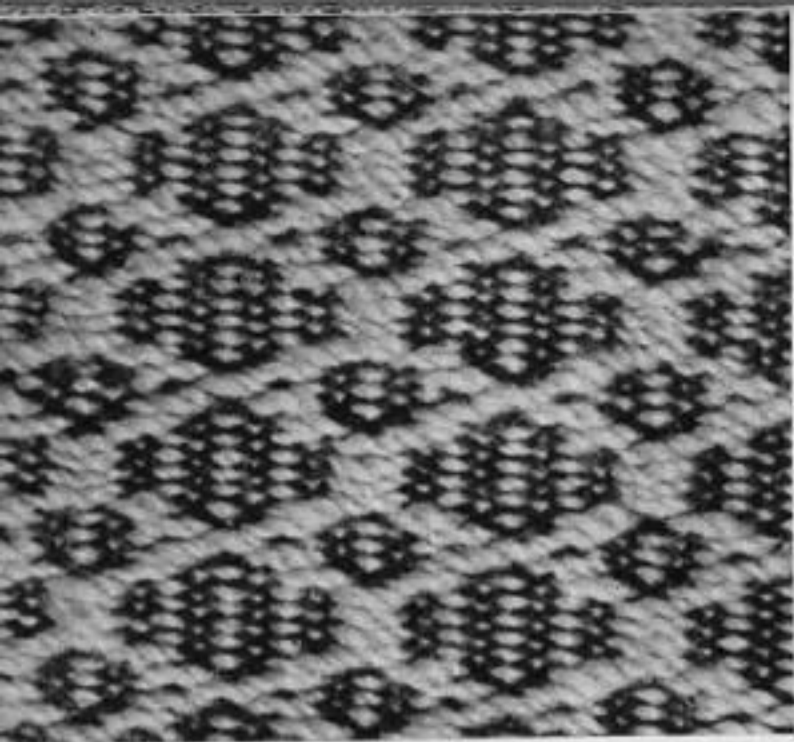
Thread knitting and the materials:

Magic of knitting! Look at these four pictures below. All of them were worked by thread knitting using the same technique. As you see from these pictures, by changing the yarn for threading-quite different effects are obtained. Therefore following the examples included in this Jones Knitting Pattern Book, hundreds of different variations can be obtained by combining different types of yarn.



How to get the best effect in thread knitting:

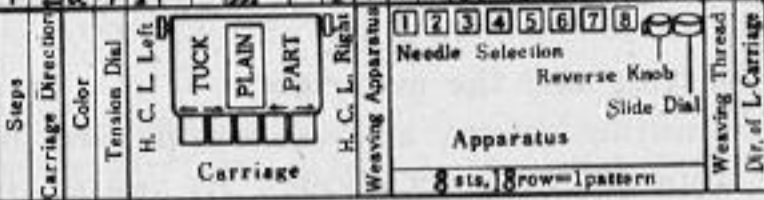
1. We recommend using a finer yarn for basic knitting and a heavier yarn or a fancy yarn for weaving. This way you will get the effect of an interesting contrast and at the same time you can reduce the weight of the finished garment.
2. Pay special attention to the contrast of the colors of basic knitting and the yarn for weaving. Always match them up by doing a sample piece.
3. Be careful when holding the yarn for weaving. It should not be pulled too tight, nor held too loosely. Care should be taken to hold the yarn evenly all the time. (unless the knitting and the patterns become uneven.).
4. It is necessary to set the number on the tension dial according to the yarn for weaving. Usually I number looser in tension is used for weaving than for plain knitting. Do not set the tension too tight or the weaving yarn may catch in the stitches formed.



701

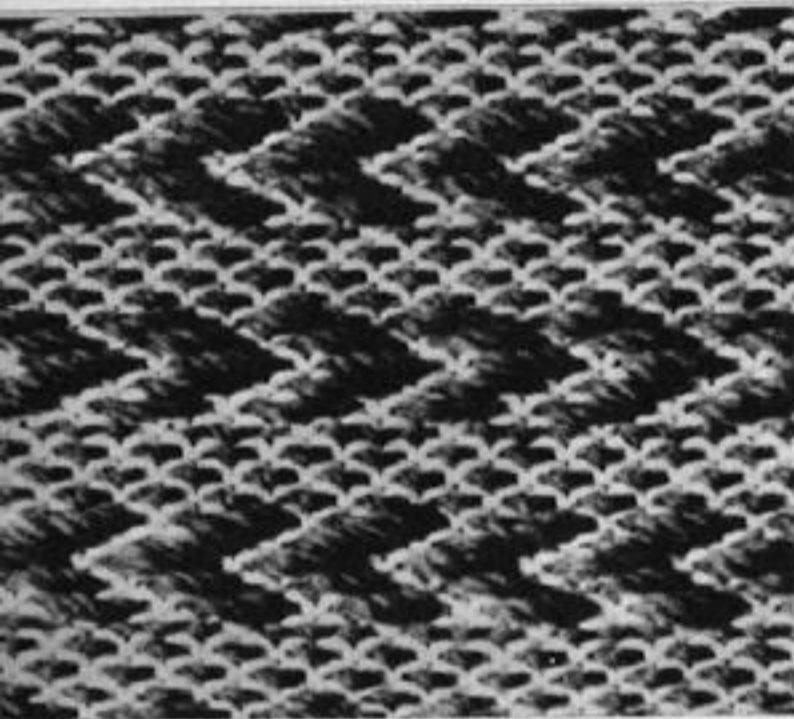
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17										3	6	8	
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15									2	3	6	8	
14										4	7		
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11													
10									1	2	3	4	5
9										2	3	4	5
8										3	6	7	8
7									1		5	7	
6										2	3	6	7
5										4			
4													
3													
2													
1	Q	7	T						1	3	5	A	B

1	U												
2	U	U											
3	U	U	U										
4	U	U	U	U									
5	U	U	U	U	U								
6	U	U	U	U	U	U							
7	U	U	U	U	U	U	U						
8	U	U	U	U	U	U	U	U					
9	U	U	U	U	U	U	U	U	U				
10	U	U	U	U	U	U	U	U	U	U			
11	U	U	U	U	U	U	U	U	U	U	U		
12	U	U	U	U	U	U	U	U	U	U	U	U	
13	U	U	U	U	U	U	U	U	U	U	U	U	U
14	U	U	U	U	U	U	U	U	U	U	U	U	U
15	U	U	U	U	U	U	U	U	U	U	U	U	U
16	U	U	U	U	U	U	U	U	U	U	U	U	U
17	U	U	U	U	U	U	U	U	U	U	U	U	U
18	U	U	U	U	U	U	U	U	U	U	U	U	U



Symbols of Stitch

1	2	3	4	5	6	7	8
X							
				◇			



702

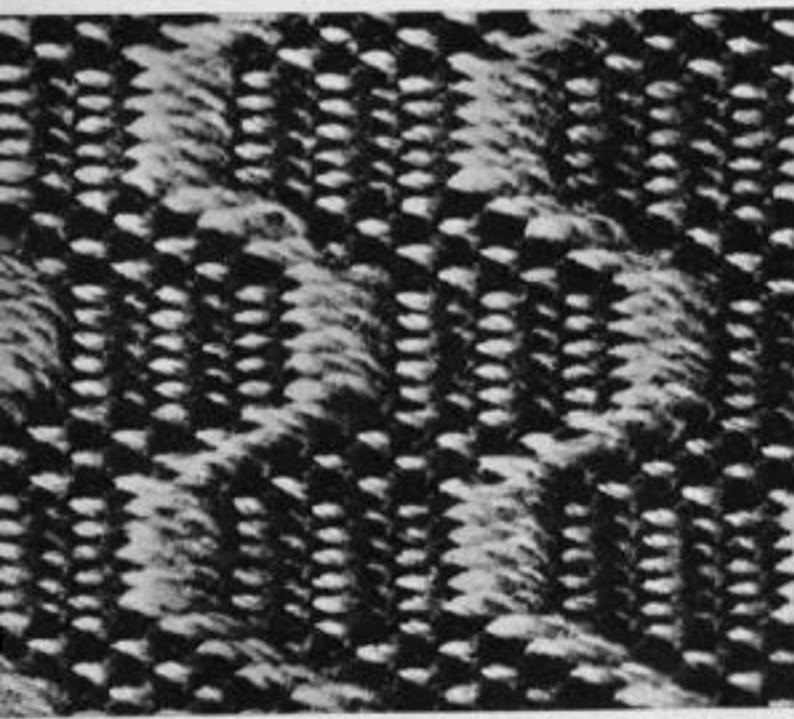
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2														
1	Q	7	T											

1	U													
2	U	U												
3	U	U	U											
4	U	U	U	U										
5	U	U	U	U	U									
6	U	U	U	U	U	U								
7	U	U	U	U	U	U	U							
8	U	U	U	U	U	U	U	U						
9	U	U	U	U	U	U	U	U	U					
10	U	U	U	U	U	U	U	U	U	U				
11	U	U	U	U	U	U	U	U	U	U	U			
12	U	U	U	U	U	U	U	U	U	U	U	U		
13	U	U	U	U	U	U	U	U	U	U	U	U	U	
14	U	U	U	U	U	U	U	U	U	U	U	U	U	U
15	U	U	U	U	U	U	U	U	U	U	U	U	U	U
16	U	U	U	U	U	U	U	U	U	U	U	U	U	U
17	U	U	U	U	U	U	U	U	U	U	U	U	U	U
18	U	U	U	U	U	U	U	U	U	U	U	U	U	U



Symbols of Stitch

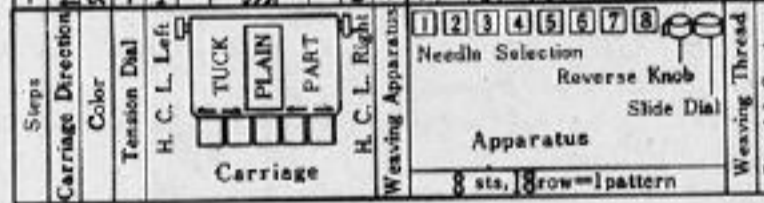
1	2	3	4	5	6	7	8
X							
				◇			



703

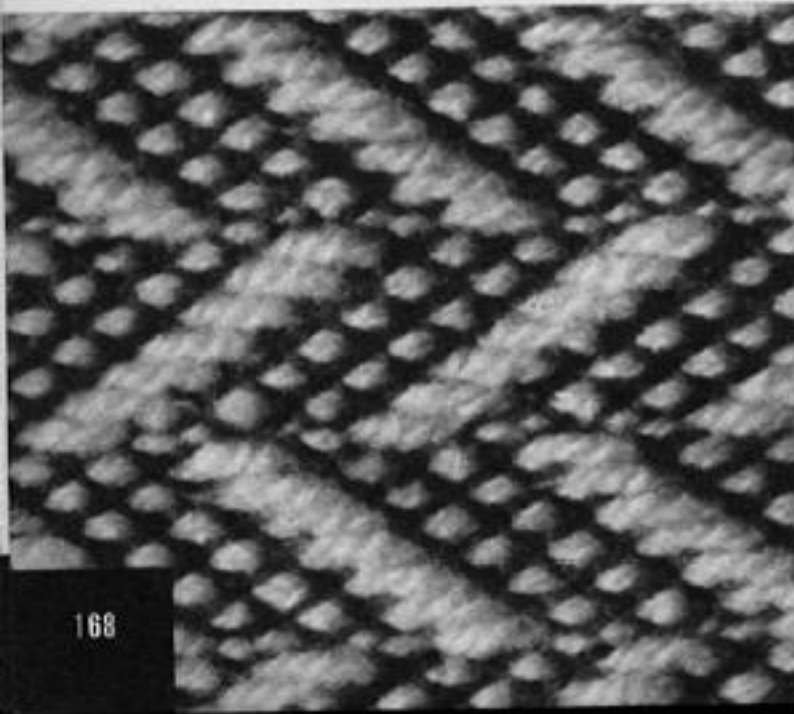
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1	Q	7	T											

1	U													
2	U	U												
3	U	U	U											
4	U	U	U	U										
5	U	U	U	U	U									
6	U	U	U	U	U	U								
7	U	U	U	U	U	U	U							
8	U	U	U	U	U	U	U	U						
9	U	U	U	U	U	U	U	U	U					
10	U	U	U	U	U	U	U	U	U	U				
11	U	U	U	U	U	U	U	U	U	U	U			
12	U	U	U	U	U	U	U	U	U	U	U	U		
13	U	U	U	U	U	U	U	U	U	U	U	U	U	
14	U	U	U	U	U	U	U	U	U	U	U	U	U	U
15	U	U	U	U	U	U	U	U	U	U	U	U	U	U
16	U	U	U	U	U	U	U	U	U	U	U	U	U	U
17	U	U	U	U	U	U	U	U	U	U	U	U	U	U
18	U	U	U	U	U	U	U	U	U	U	U	U	U	U



Symbols of Stitch

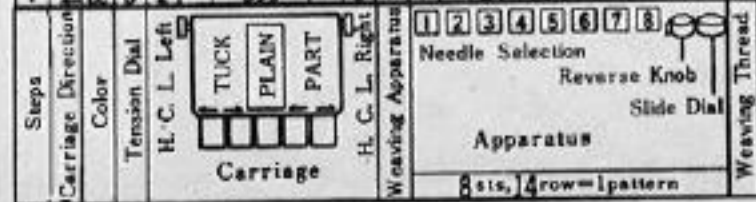
1	2	3	4	5	6	7	8
X							
				◇			



704

14														
13														
12														
11														
10														
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8														
7														
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3	U	U	U											
4	U	U	U	U										
5	U	U	U	U	U									
6	U	U	U	U	U	U								
7	U	U	U	U	U	U	U							
8	U	U	U	U	U	U	U	U						
9	U	U	U	U	U	U	U	U	U					
10	U	U	U	U	U	U	U	U	U	U				
11	U	U	U	U	U	U	U	U	U	U	U			
12	U	U	U	U	U	U	U	U	U	U	U	U		
13	U	U	U	U	U	U	U	U	U	U	U	U	U	
14	U	U	U	U	U	U	U	U	U	U	U	U	U	U

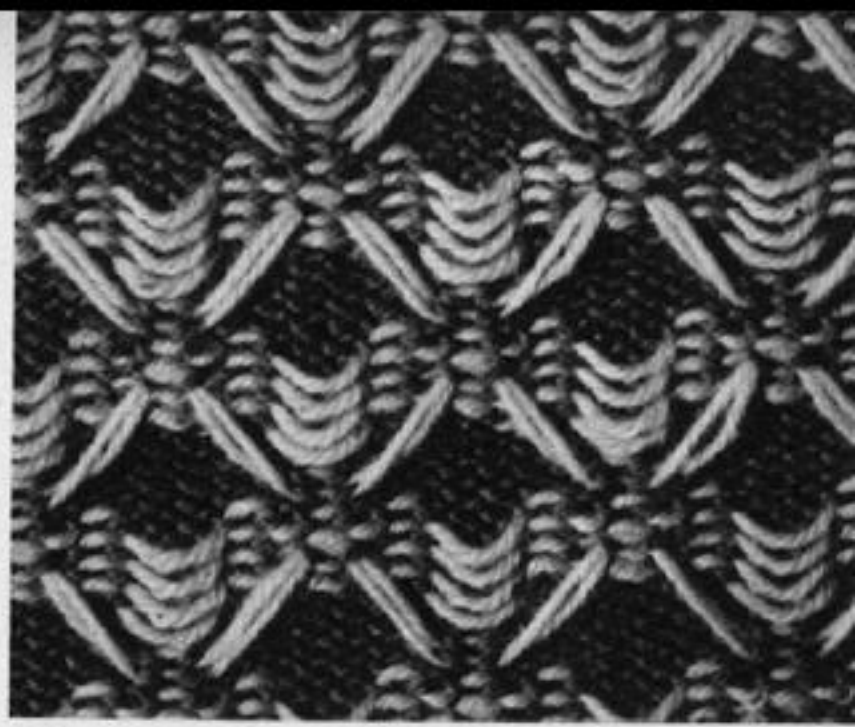


Symbols of Stitch

1	2	3	4	5	6	7	8
X							
				◇			

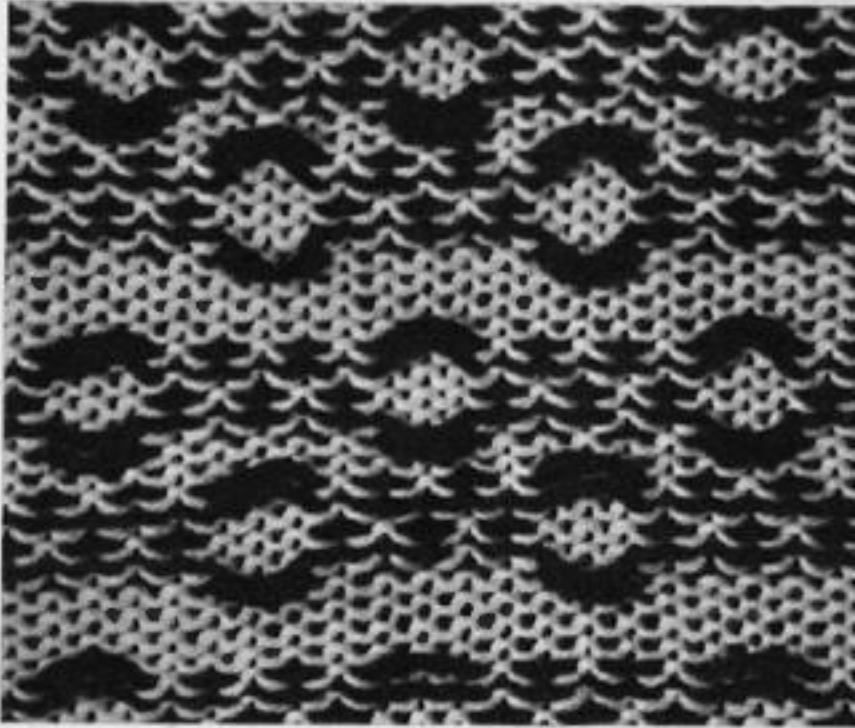
705

Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Left	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Right	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage																
Apparatus	8 sts, 6 row=1 pattern								Weaving Thread Dir. of L-Carriage Symbols of Stitch 1 2 3 4 5 6 7 8 X ◇							



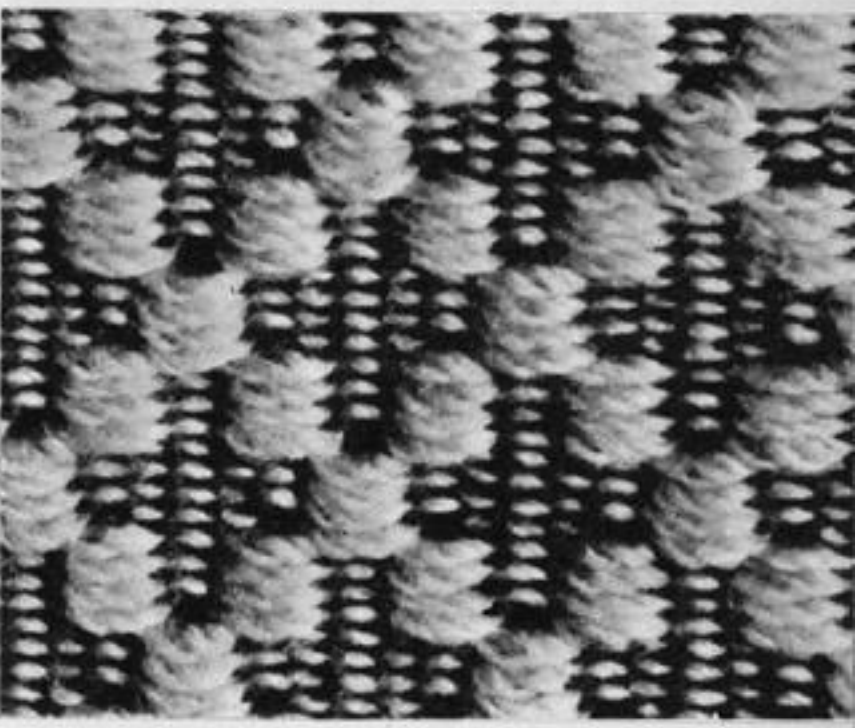
706

Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Left	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Right	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage																
Apparatus	8 sts, 4 row=1 pattern								Weaving Thread Dir. of L-Carriage Symbols of Stitch 1 2 3 4 5 6 7 8 X ◇							



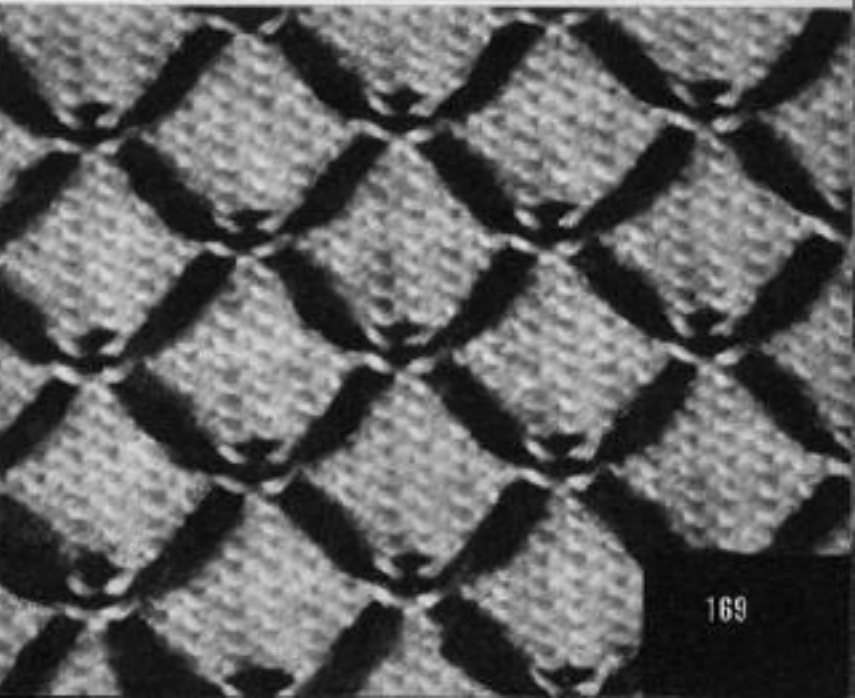
707

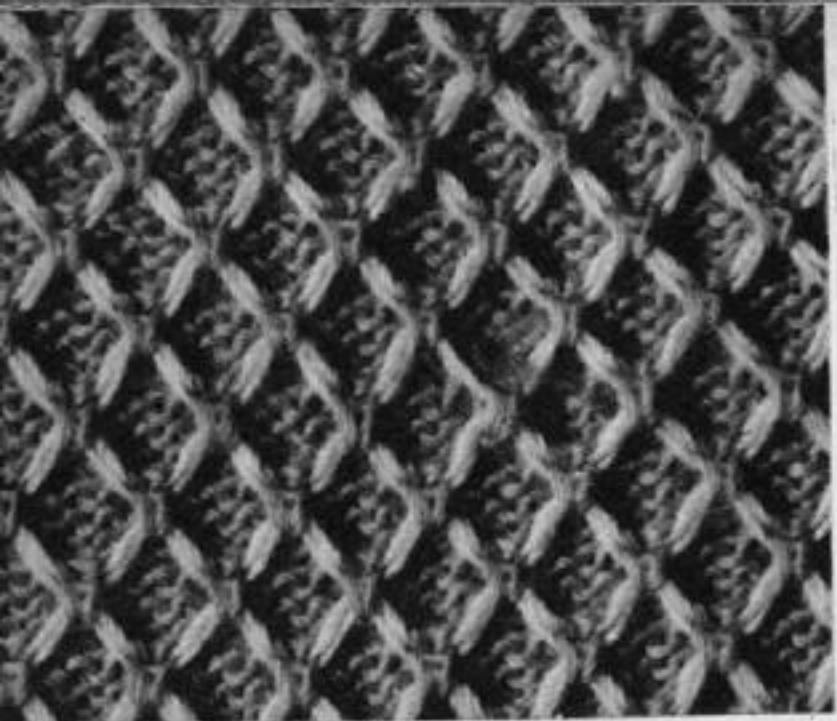
Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Left	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Right	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage																
Apparatus	8 sts, 6 row=1 pattern								Weaving Thread Dir. of L-Carriage Symbols of Stitch 1 2 3 4 5 6 7 8 X ◇							



708

Steps	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage Direction	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
Color	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Left	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H. C. L. Right	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Carriage																
Apparatus	8 sts, 10 row=1 pattern								Weaving Thread Dir. of L-Carriage Symbols of Stitch 1 2 3 4 5 6 7 8 X ◇							





709

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	Symbols of Stitches
1	↓	2	6	0	0	1	1	0	0	1	2	1
2	↓	2	6	0	0	1	2	0	0	1	2	2
3	↓	2	6	0	0	1	3	0	0	1	2	3
4	↓	2	6	0	0	1	4	0	0	1	2	4
5	↓	2	6	0	0	1	5	0	0	1	2	5
6	↓	2	6	0	0	1	6	0	0	1	2	6
7	↓	2	6	0	0	1	7	0	0	1	2	7
8	↓	2	6	0	0	1	8	0	0	1	2	8

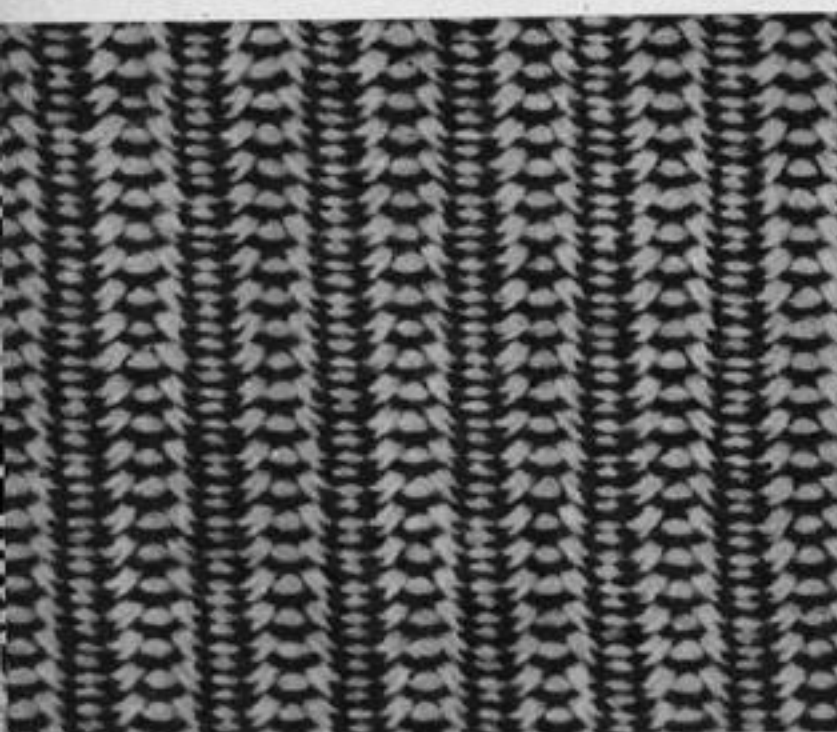
4 sts, 8 row=1 pattern



710

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	Symbols of Stitches
1	↓	2	6	0	0	1	1	0	0	1	2	1
2	↓	2	6	0	0	1	2	0	0	1	2	2
3	↓	2	6	0	0	1	3	0	0	1	2	3
4	↓	2	6	0	0	1	4	0	0	1	2	4
5	↓	2	6	0	0	1	5	0	0	1	2	5
6	↓	2	6	0	0	1	6	0	0	1	2	6
7	↓	2	6	0	0	1	7	0	0	1	2	7
8	↓	2	6	0	0	1	8	0	0	1	2	8

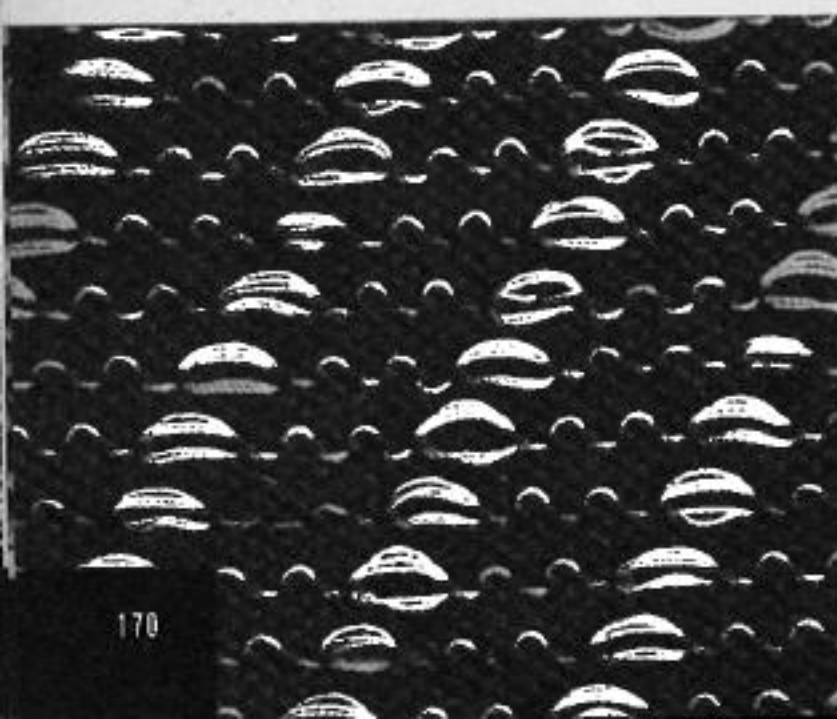
8 sts, 6 row=1 pattern



711

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	Symbols of Stitches
1	↓	2	6	0	0	1	1	0	0	1	2	1
2	↓	2	6	0	0	1	2	0	0	1	2	2
3	↓	2	6	0	0	1	3	0	0	1	2	3
4	↓	2	6	0	0	1	4	0	0	1	2	4
5	↓	2	6	0	0	1	5	0	0	1	2	5
6	↓	2	6	0	0	1	6	0	0	1	2	6
7	↓	2	6	0	0	1	7	0	0	1	2	7
8	↓	2	6	0	0	1	8	0	0	1	2	8

4 sts, 4 row=1 pattern

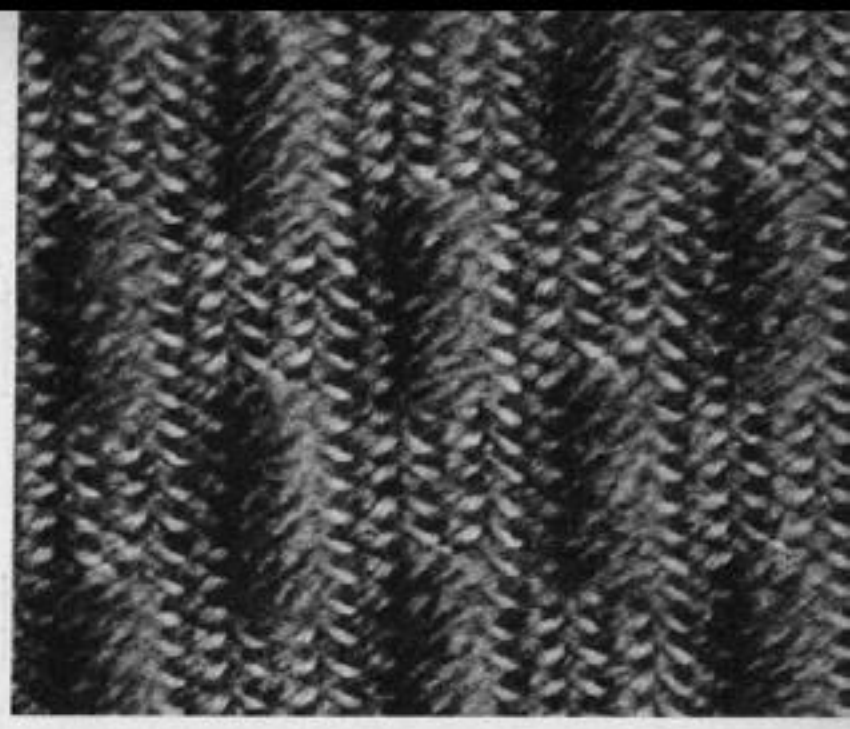


712

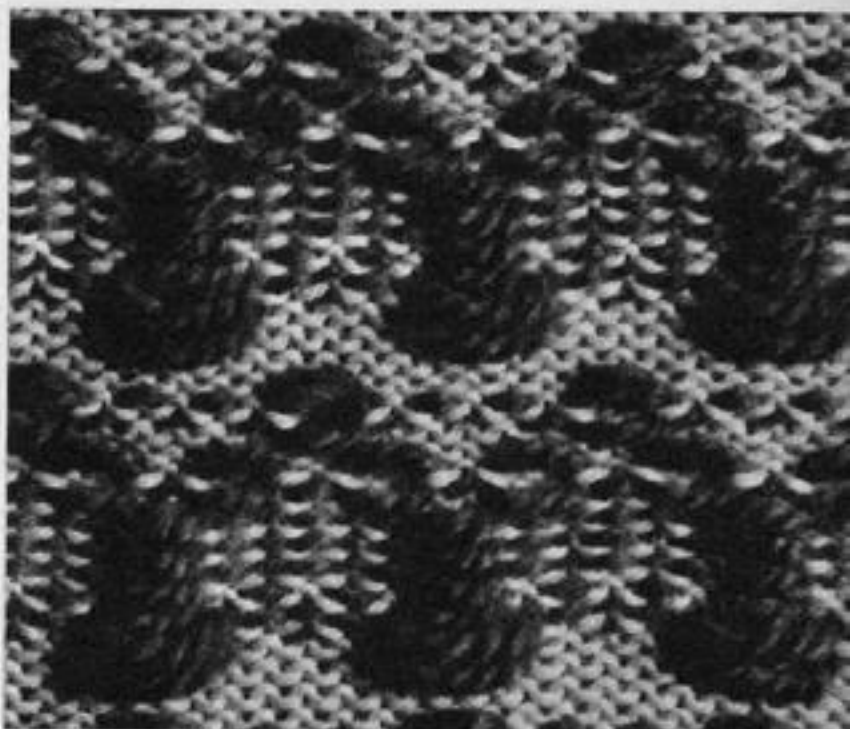
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	H. C. L. Right	Weaving Apparatus	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L-Carriage	Symbols of Stitches
1	↓	2	5	0	0	1	1	0	0	1	2	1
2	↓	2	5	0	0	1	2	0	0	1	2	2
3	↓	2	5	0	0	1	3	0	0	1	2	3
4	↓	2	5	0	0	1	4	0	0	1	2	4
5	↓	2	5	0	0	1	5	0	0	1	2	5
6	↓	2	5	0	0	1	6	0	0	1	2	6
7	↓	2	5	0	0	1	7	0	0	1	2	7
8	↓	2	5	0	0	1	8	0	0	1	2	8
9	↓	2	5	0	0	1	1	0	0	1	2	9
10	↓	2	5	0	0	1	2	0	0	1	2	10
11	↓	2	5	0	0	1	3	0	0	1	2	11
12	↓	2	5	0	0	1	4	0	0	1	2	12
13	↓	2	5	0	0	1	5	0	0	1	2	13
14	↓	2	5	0	0	1	6	0	0	1	2	14
15	↓	2	5	0	0	1	7	0	0	1	2	15
16	↓	2	5	0	0	1	8	0	0	1	2	16
17	↓	2	5	0	0	1	1	0	0	1	2	17
18	↓	2	5	0	0	1	2	0	0	1	2	18
19	↓	2	5	0	0	1	3	0	0	1	2	19
20	↓	2	5	0	0	1	4	0	0	1	2	20
21	↓	2	5	0	0	1	5	0	0	1	2	21
22	↓	2	5	0	0	1	6	0	0	1	2	22
23	↓	2	5	0	0	1	7	0	0	1	2	23
24	↓	2	5	0	0	1	8	0	0	1	2	24

8 sts, 24 row=1 pattern

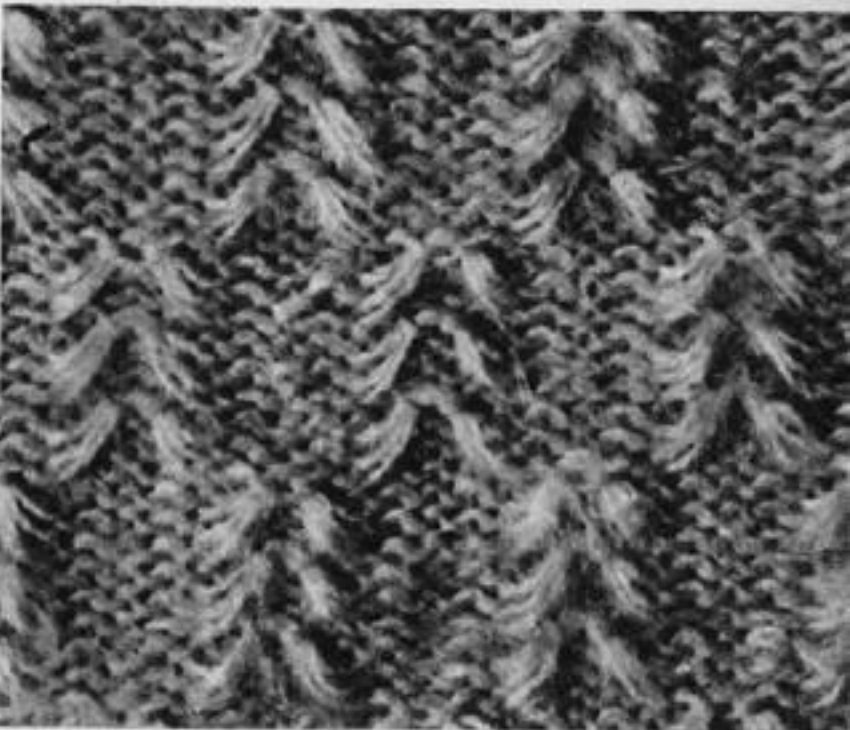
Steps	1	2	3	4	5	6	7	8
Carriage Direction	→	←	→	←	→	←	→	←
Color	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8
H. C. L. Left	1	2	3	4	5	6	7	8
H. C. L. Right	1	2	3	4	5	6	7	8
Carriage								
Weaving Apparatus	Needle Selection: 1 2 3 4 5 6 7 8 Reverse Knob: [] Slide Dial: [] Apparatus: [] 8 sts, 12 row = 1 pattern							
Weaving Thread	Dir. of L-Carriage: []							
Symbols of Stitch	1 2 3 4 5 6 7 8 X [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []							



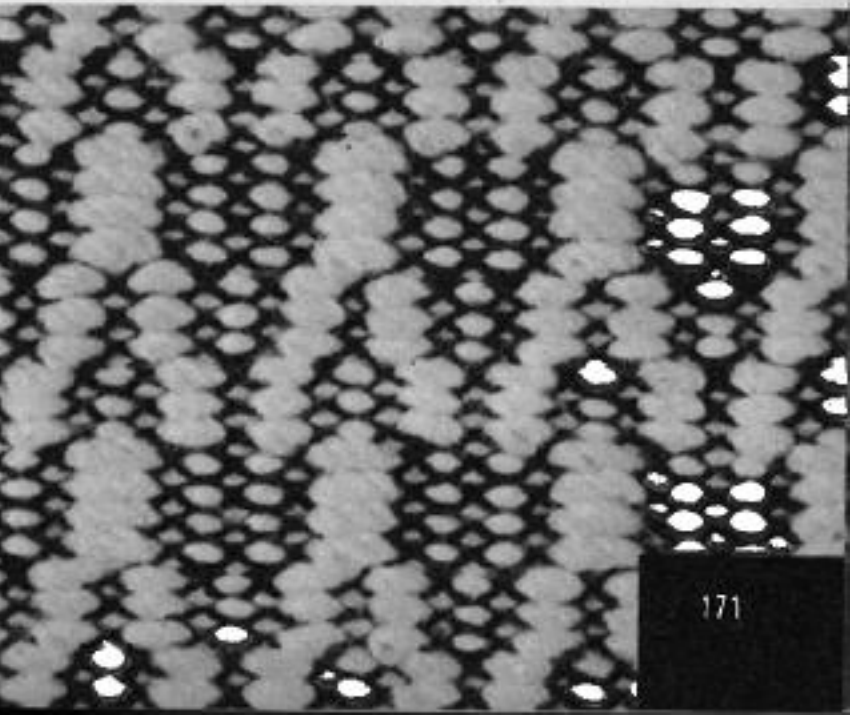
Steps	1	2	3	4	5	6	7	8
Carriage Direction	→	←	→	←	→	←	→	←
Color	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8
H. C. L. Left	1	2	3	4	5	6	7	8
H. C. L. Right	1	2	3	4	5	6	7	8
Carriage								
Weaving Apparatus	Needle Selection: 1 2 3 4 5 6 7 8 Reverse Knob: [] Slide Dial: [] Apparatus: [] 8 sts, 4 row = 1 pattern							
Weaving Thread	Dir. of L-Carriage: []							
Symbols of Stitch	1 2 3 4 5 6 7 8 X [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []							

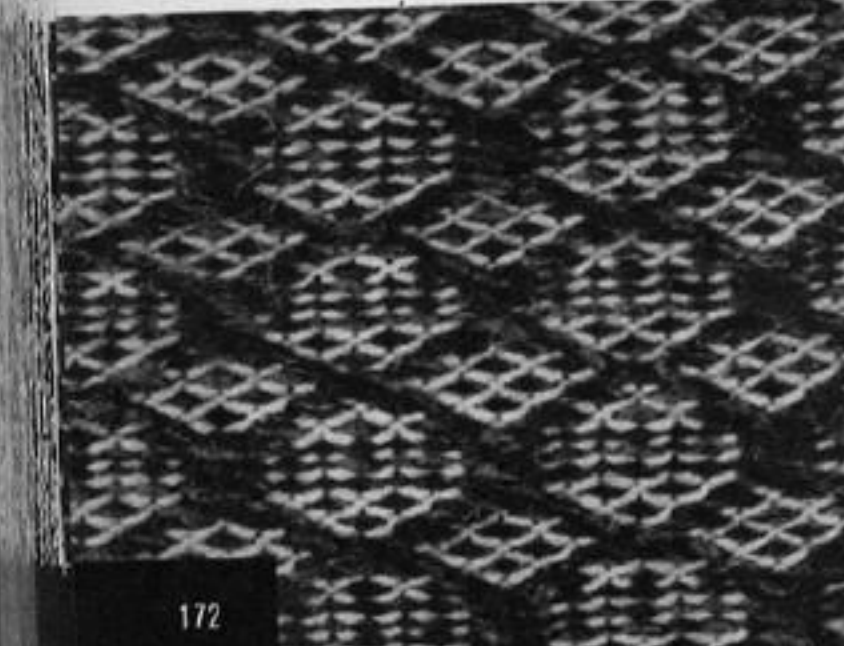
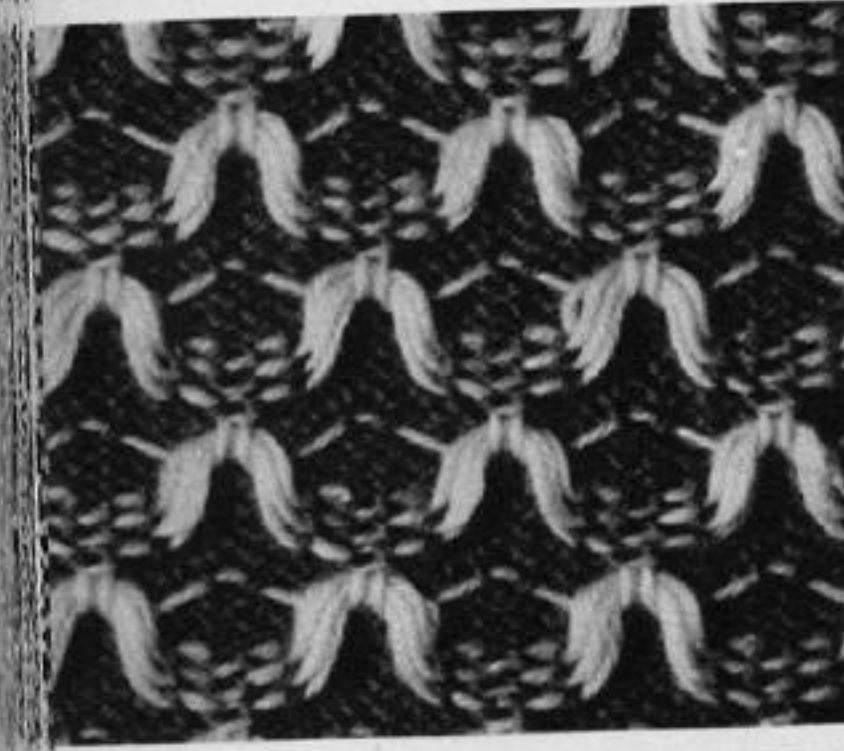
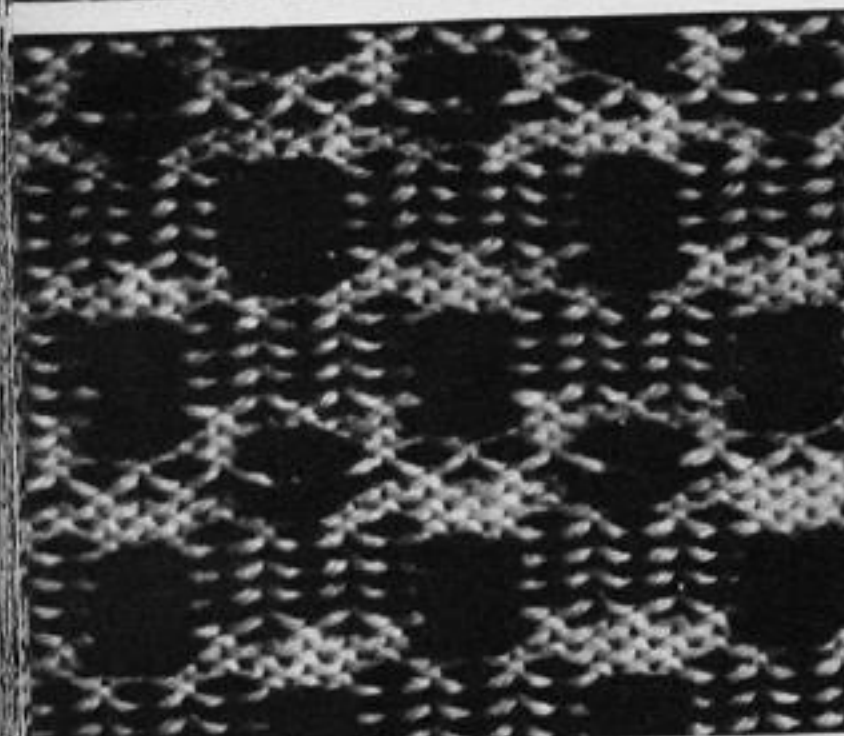
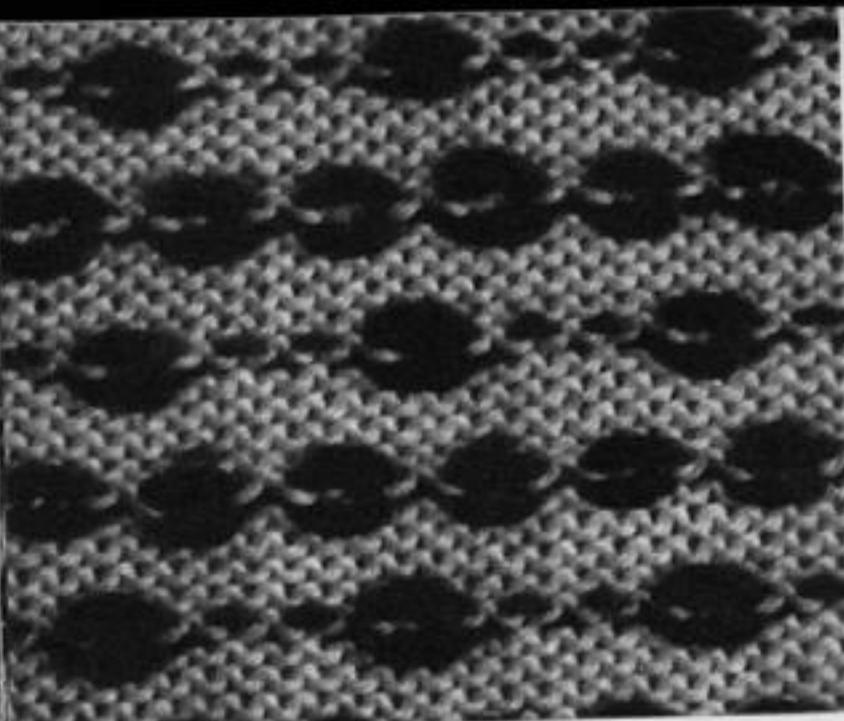


Steps	1	2	3	4	5	6	7	8
Carriage Direction	→	←	→	←	→	←	→	←
Color	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8
H. C. L. Left	1	2	3	4	5	6	7	8
H. C. L. Right	1	2	3	4	5	6	7	8
Carriage								
Weaving Apparatus	Needle Selection: 1 2 3 4 5 6 7 8 Reverse Knob: [] Slide Dial: [] Apparatus: [] 8 sts, 18 row = 1 pattern							
Weaving Thread	Dir. of L-Carriage: []							
Symbols of Stitch	1 2 3 4 5 6 7 8 X [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []							

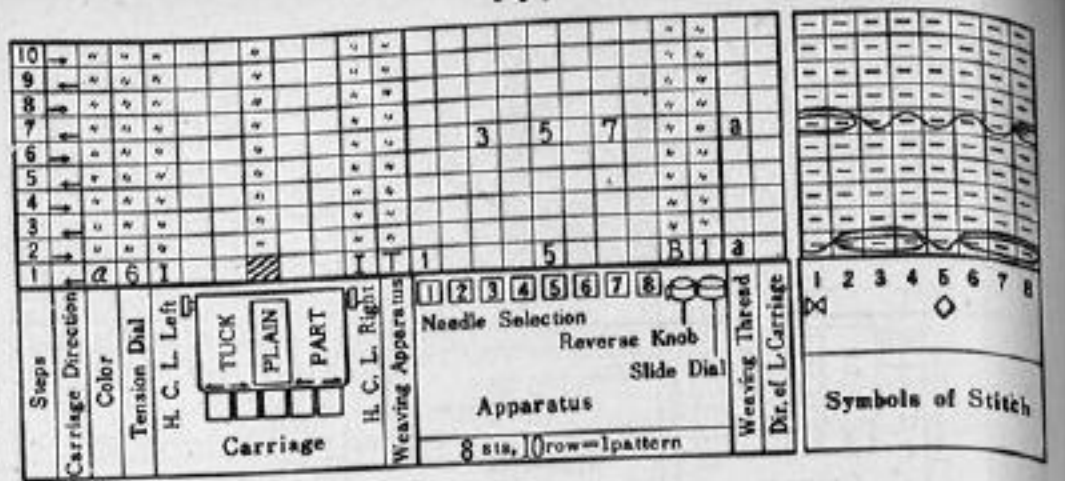


Steps	1	2	3	4	5	6	7	8
Carriage Direction	→	←	→	←	→	←	→	←
Color	1	2	3	4	5	6	7	8
Tension Dial	1	2	3	4	5	6	7	8
H. C. L. Left	1	2	3	4	5	6	7	8
H. C. L. Right	1	2	3	4	5	6	7	8
Carriage								
Weaving Apparatus	Needle Selection: 1 2 3 4 5 6 7 8 Reverse Knob: [] Slide Dial: [] Apparatus: [] 8 sts, 10 row = 1 pattern							
Weaving Thread	Dir. of L-Carriage: []							
Symbols of Stitch	1 2 3 4 5 6 7 8 X [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []							

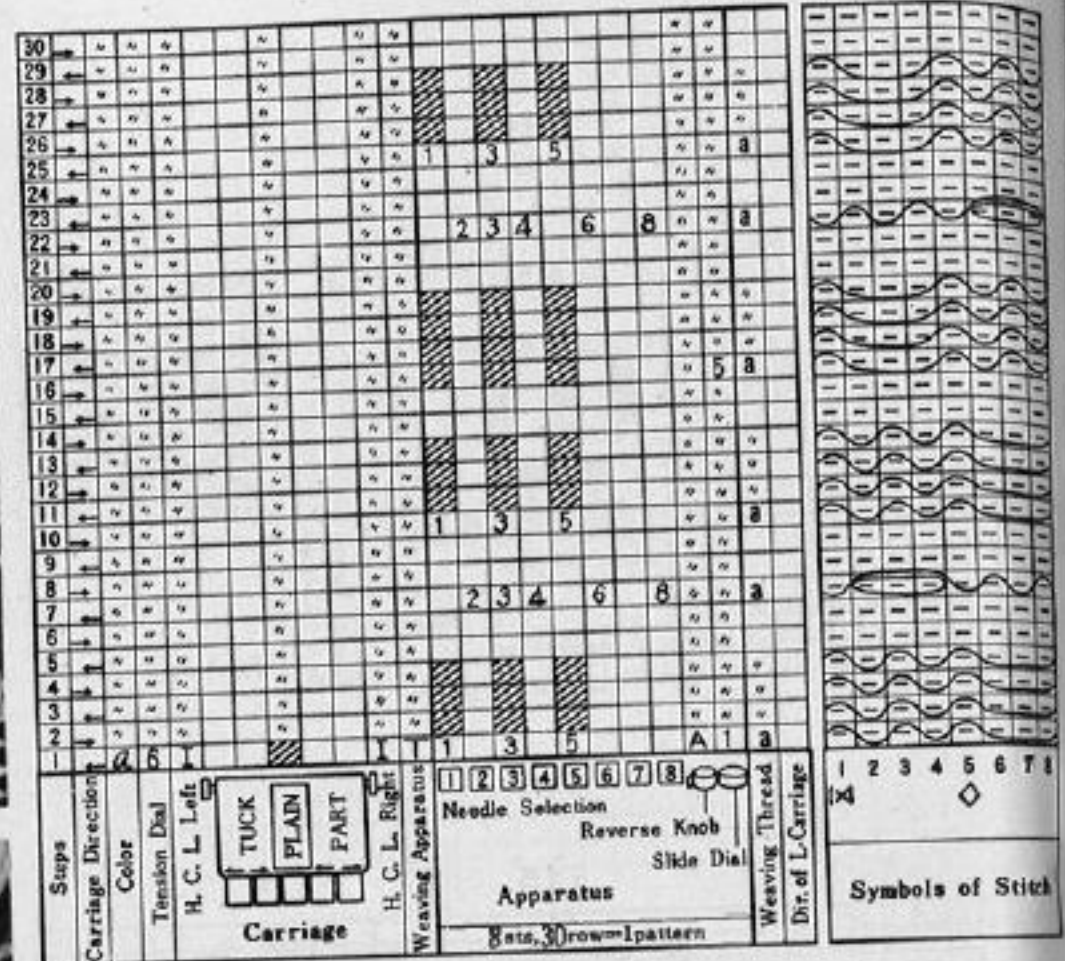




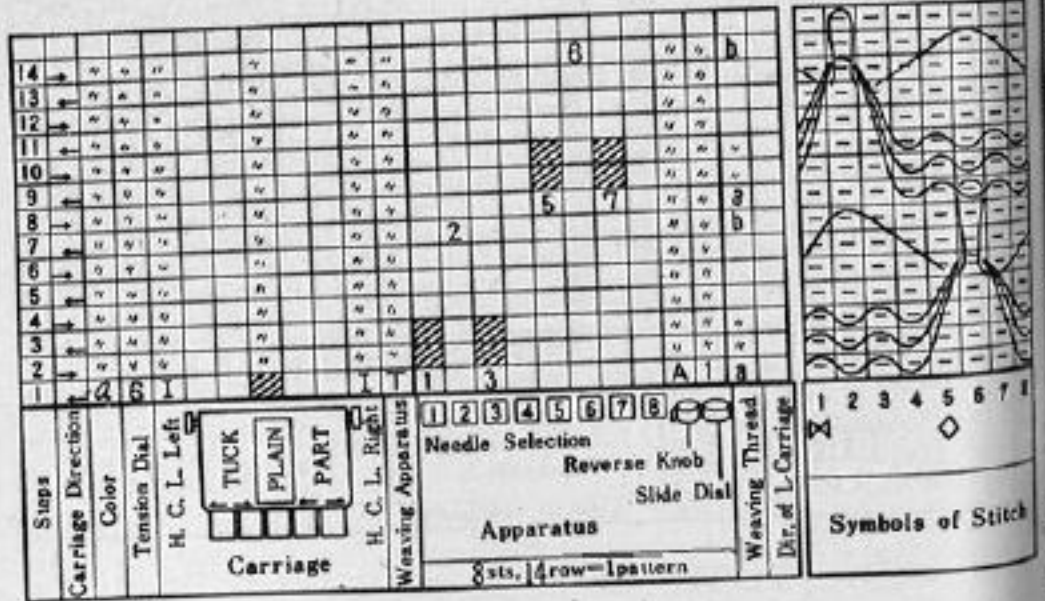
717



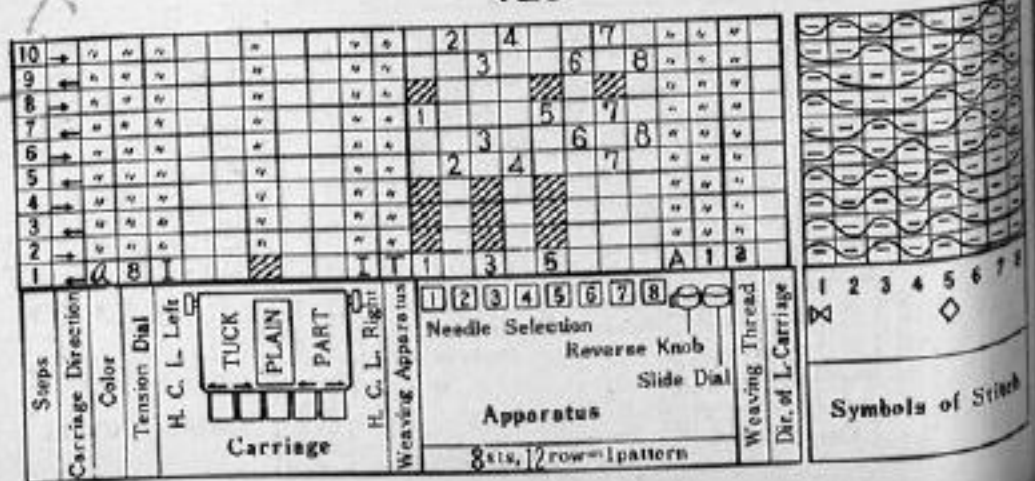
718

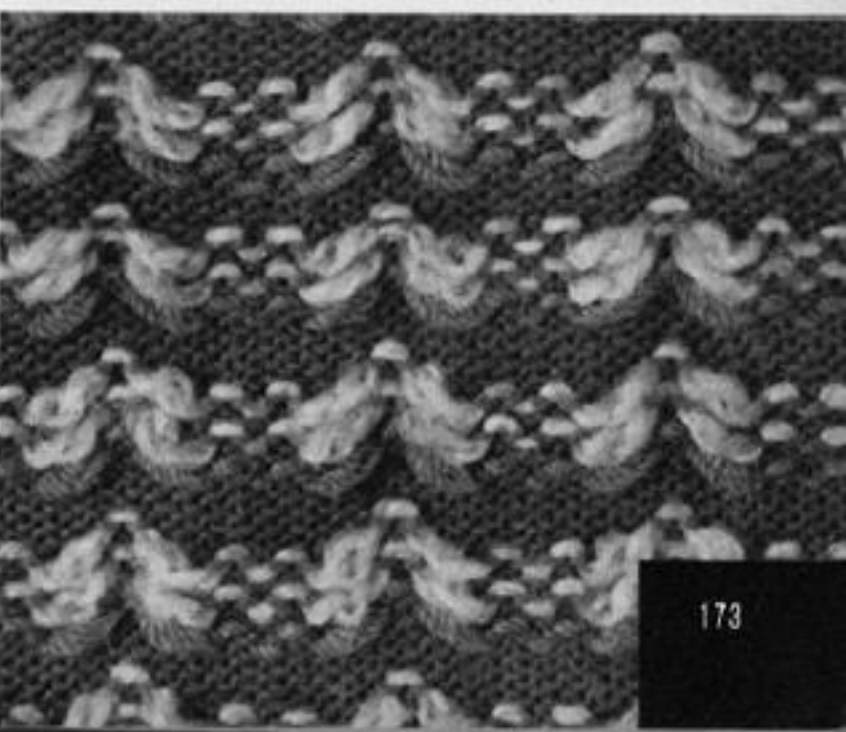
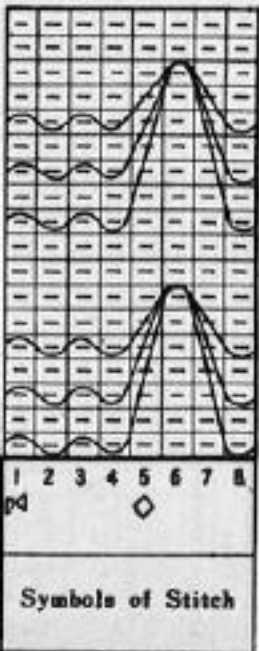
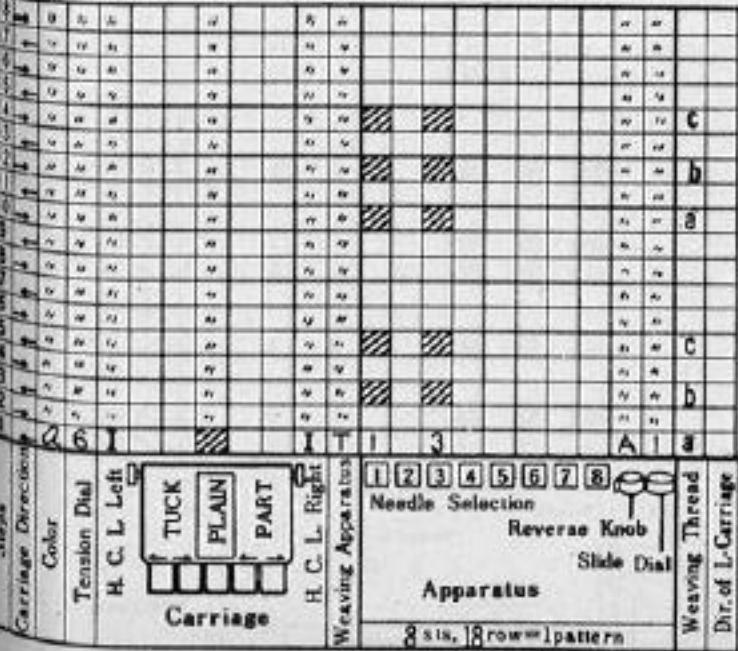
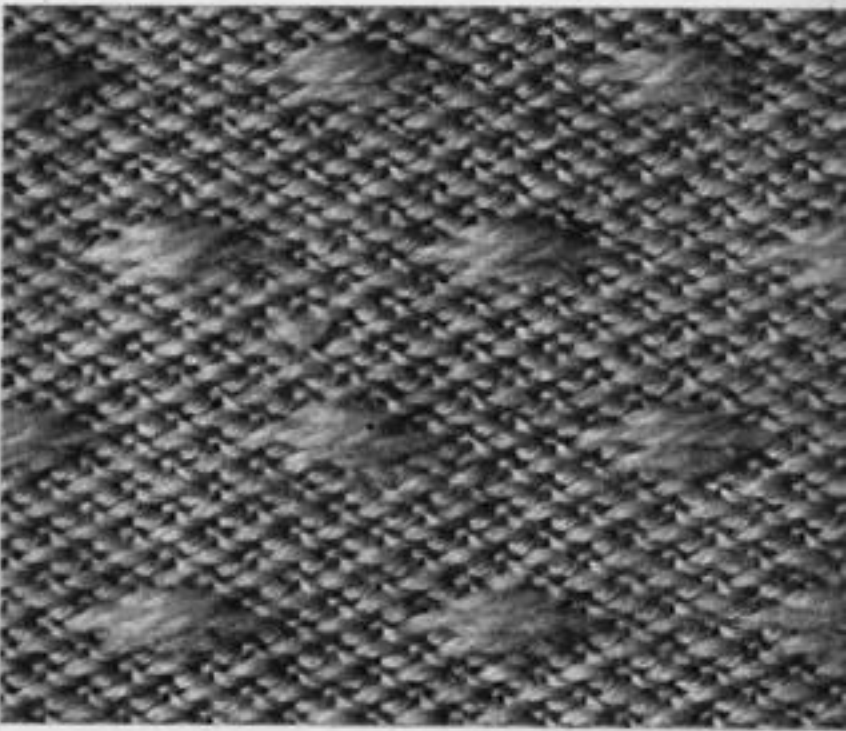
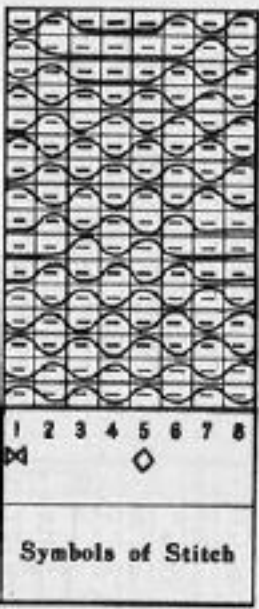
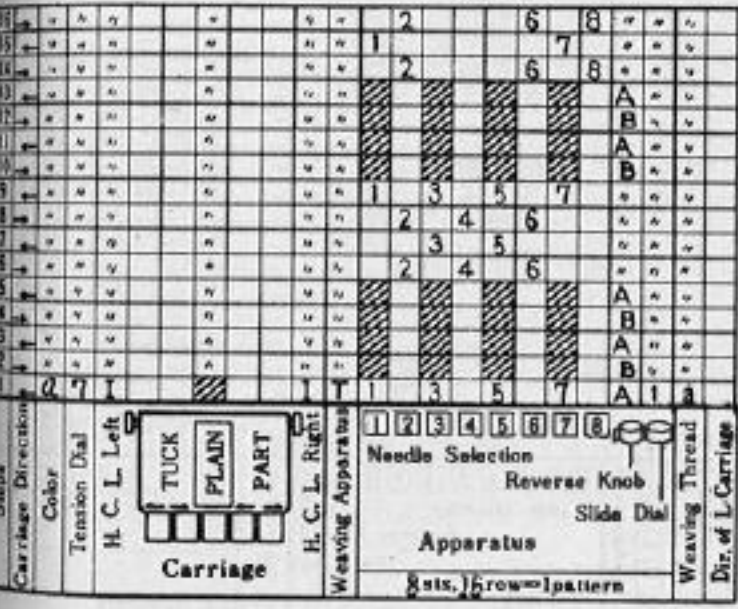
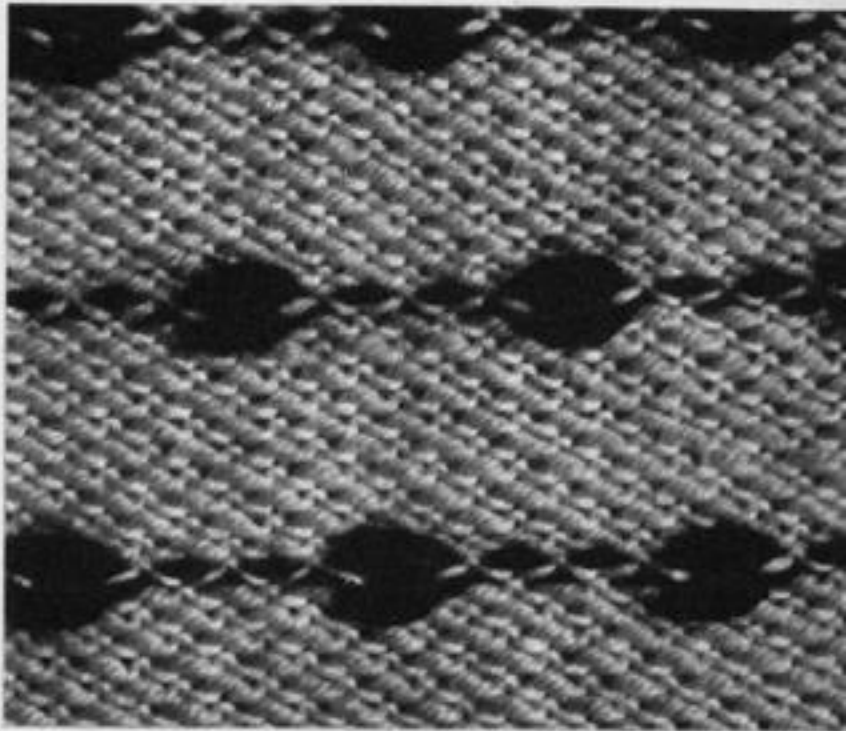
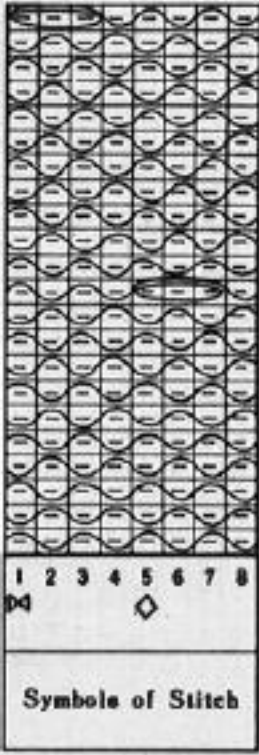
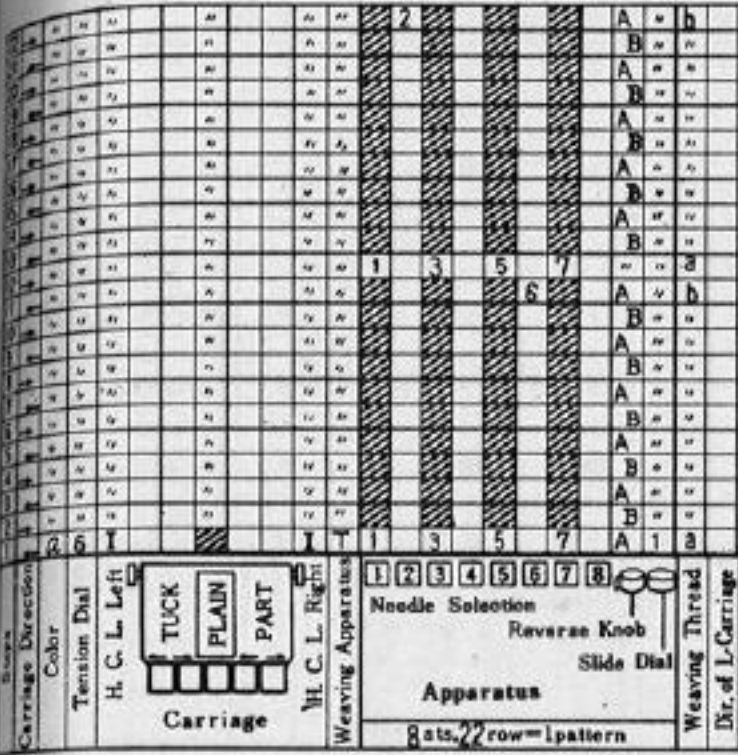
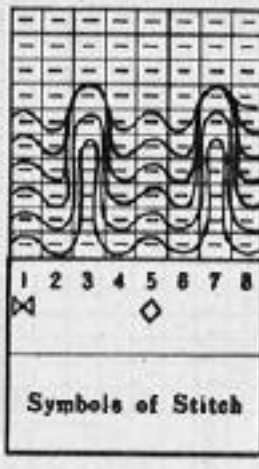
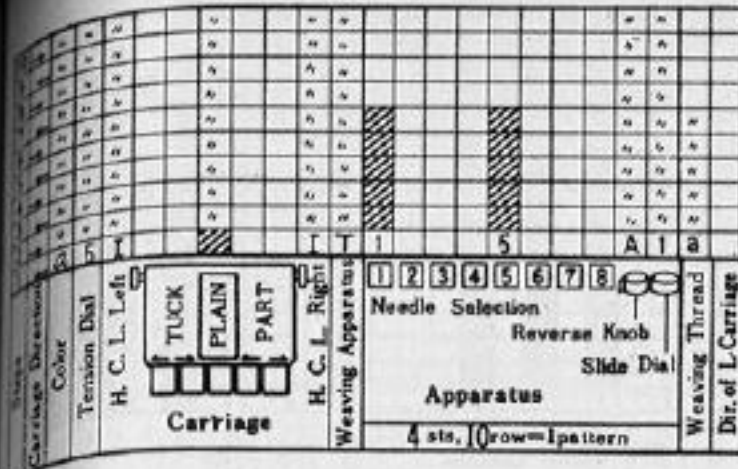


719

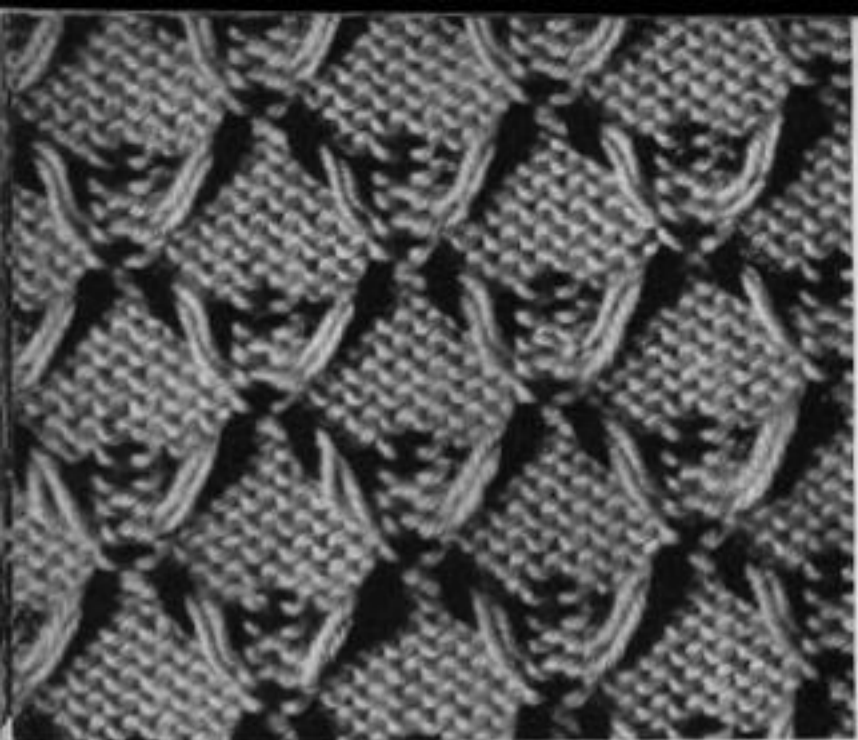


720



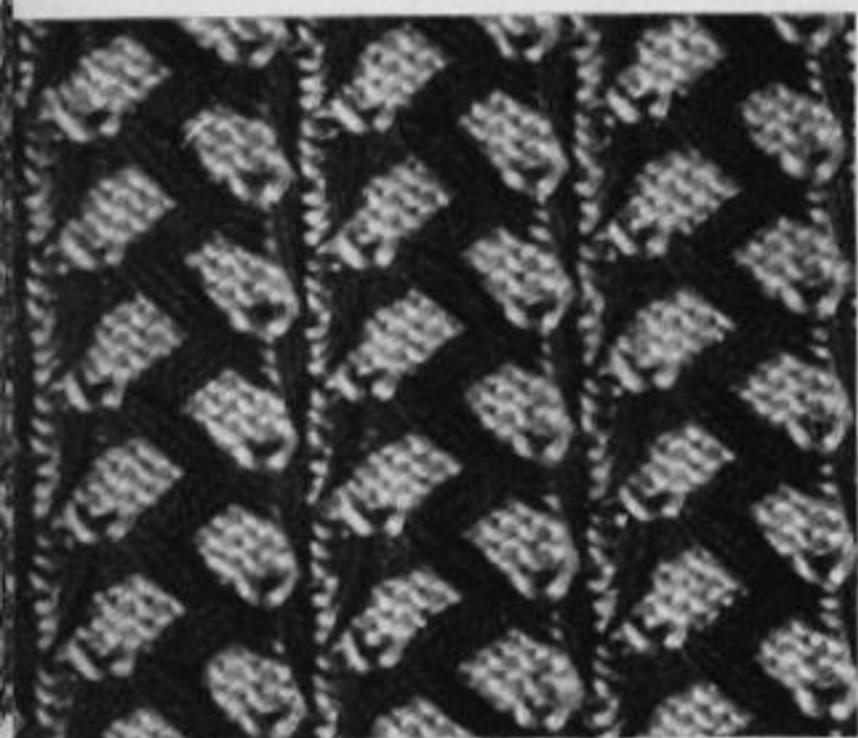


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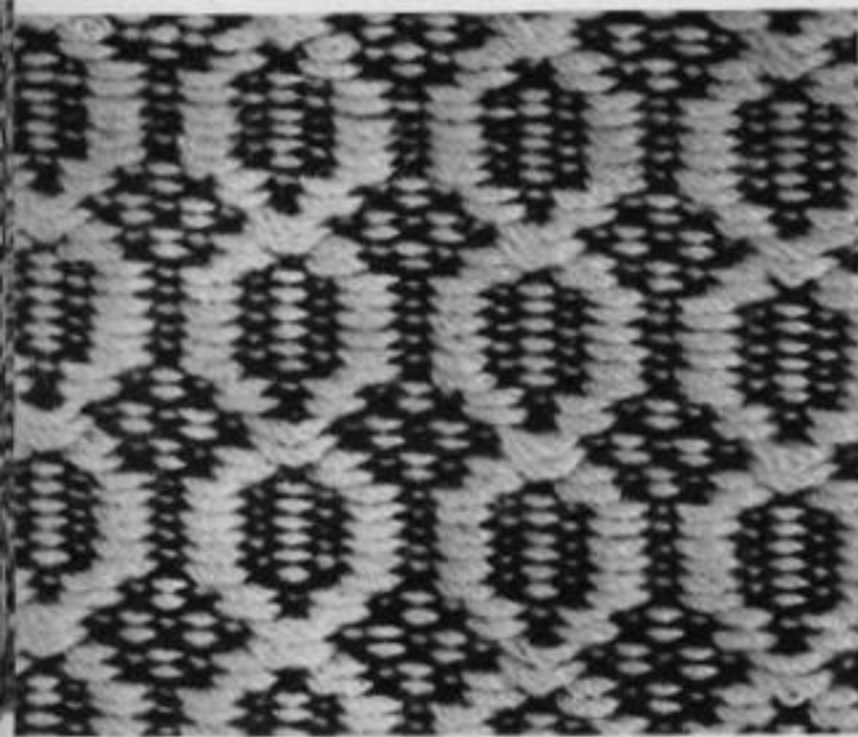
733

Steps	12	11	10	9	8	7	6	5	4	3	2	1
Carriage Direction	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Color	1	2	3	4	5	6	7	8	9	10	11	12
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11
Carriage	TUCK PLAIN PART											
Weaving Apparatus	H. C. L. Right			1 2 3 4 5 6 7 8								
Needle Selection	1 2 3 4 5 6 7 8			Reverse Knob								
Apparatus	Slide Dial			Weaving Thread								
8 sts, 2 row=1 pattern												
Dir. of L-Carriage												
Symbols of Stitch												



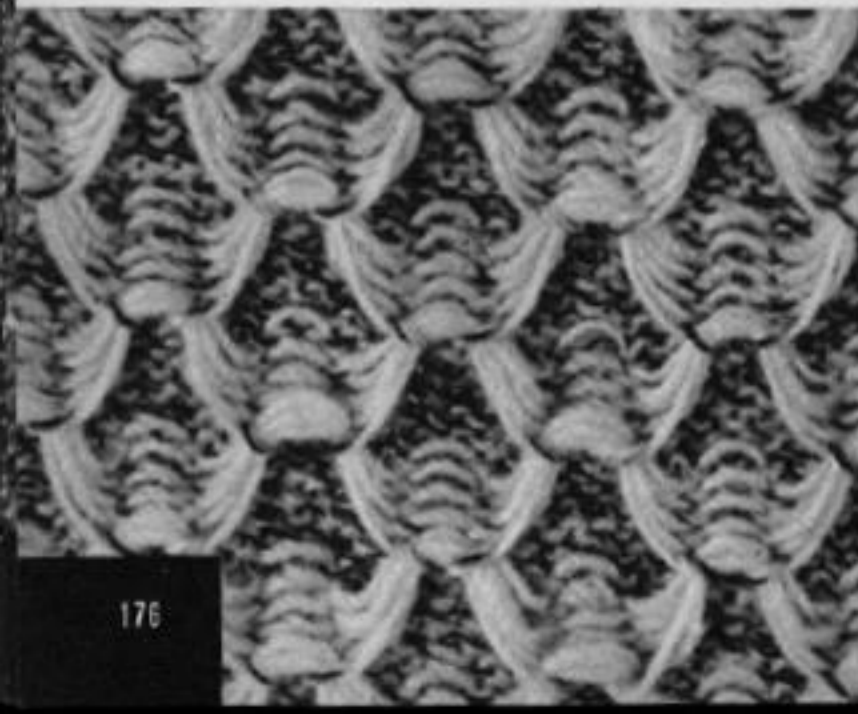
734

Steps	12	11	10	9	8	7	6	5	4	3	2	1
Carriage Direction	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Color	1	2	3	4	5	6	7	8	9	10	11	12
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11
Carriage	TUCK PLAIN PART											
Weaving Apparatus	H. C. L. Right			1 2 3 4 5 6 7 8								
Needle Selection	1 2 3 4 5 6 7 8			Reverse Knob								
Apparatus	Slide Dial			Weaving Thread								
8 sts, 2 row=1 pattern												
Dir. of L-Carriage												
Symbols of Stitch												



735

Steps	12	11	10	9	8	7	6	5	4	3	2	1
Carriage Direction	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Color	1	2	3	4	5	6	7	8	9	10	11	12
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11
Carriage	TUCK PLAIN PART											
Weaving Apparatus	H. C. L. Right			1 2 3 4 5 6 7 8								
Needle Selection	1 2 3 4 5 6 7 8			Reverse Knob								
Apparatus	Slide Dial			Weaving Thread								
8 sts, 2 row=1 pattern												
Dir. of L-Carriage												
Symbols of Stitch												

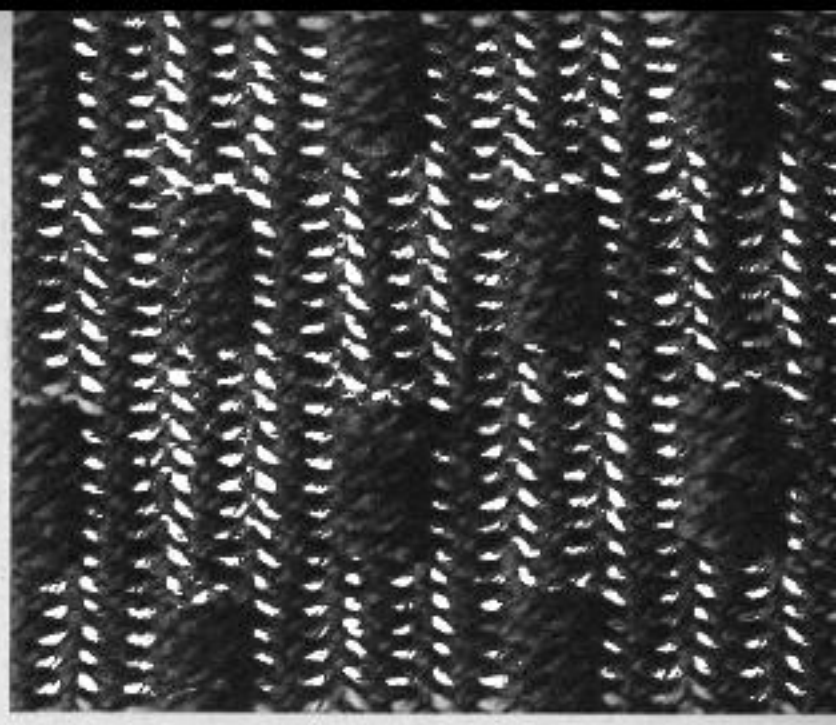


736

Steps	12	11	10	9	8	7	6	5	4	3	2	1
Carriage Direction	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Color	1	2	3	4	5	6	7	8	9	10	11	12
Tension Dial	1	2	3	4	5	6	7	8	9	10	11	12
H. C. L. Left	0	1	2	3	4	5	6	7	8	9	10	11
H. C. L. Right	0	1	2	3	4	5	6	7	8	9	10	11
Carriage	TUCK PLAIN PART											
Weaving Apparatus	H. C. L. Right			1 2 3 4 5 6 7 8								
Needle Selection	1 2 3 4 5 6 7 8			Reverse Knob								
Apparatus	Slide Dial			Weaving Thread								
8 sts, 8 row=1 pattern												
Dir. of L-Carriage												
Symbols of Stitch												

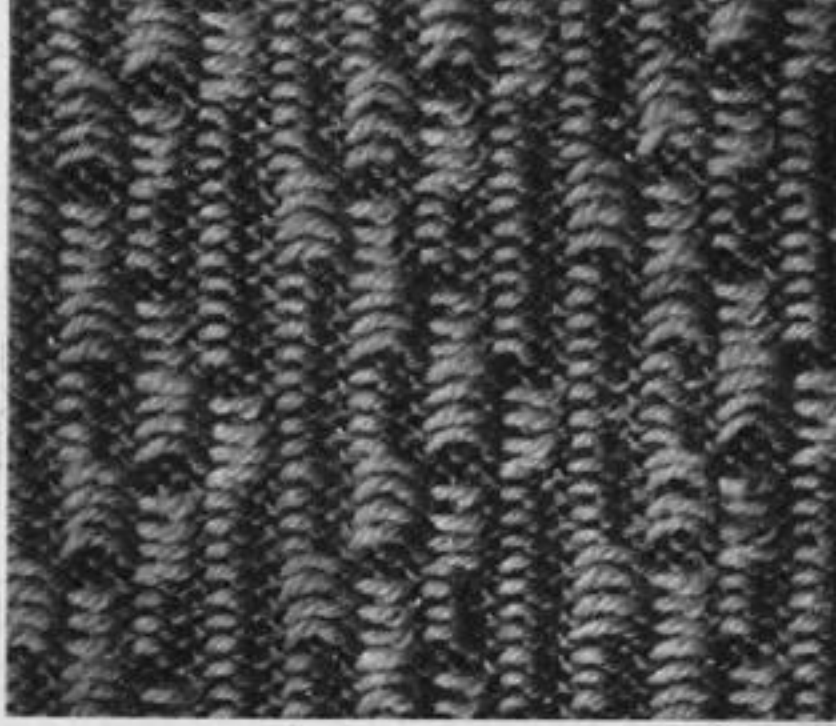
737

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	←	2	1	2	2	2	2	2	2	2	2	2	2	2	2
3	→	3	1	3	3	3	3	3	3	3	3	3	3	3	3
4	←	4	1	4	4	4	4	4	4	4	4	4	4	4	4
5	→	5	1	5	5	5	5	5	5	5	5	5	5	5	5
6	←	6	1	6	6	6	6	6	6	6	6	6	6	6	6
7	→	7	1	7	7	7	7	7	7	7	7	7	7	7	7
8	←	8	1	8	8	8	8	8	8	8	8	8	8	8	8
Apparatus													8 sts, 5 row = 1 pattern		



738

Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	←	2	1	2	2	2	2	2	2	2	2	2	2	2	2
3	→	3	1	3	3	3	3	3	3	3	3	3	3	3	3
4	←	4	1	4	4	4	4	4	4	4	4	4	4	4	4
5	→	5	1	5	5	5	5	5	5	5	5	5	5	5	5
6	←	6	1	6	6	6	6	6	6	6	6	6	6	6	6
7	→	7	1	7	7	7	7	7	7	7	7	7	7	7	7
8	←	8	1	8	8	8	8	8	8	8	8	8	8	8	8
Apparatus													8 sts, 6 row = 1 pattern		



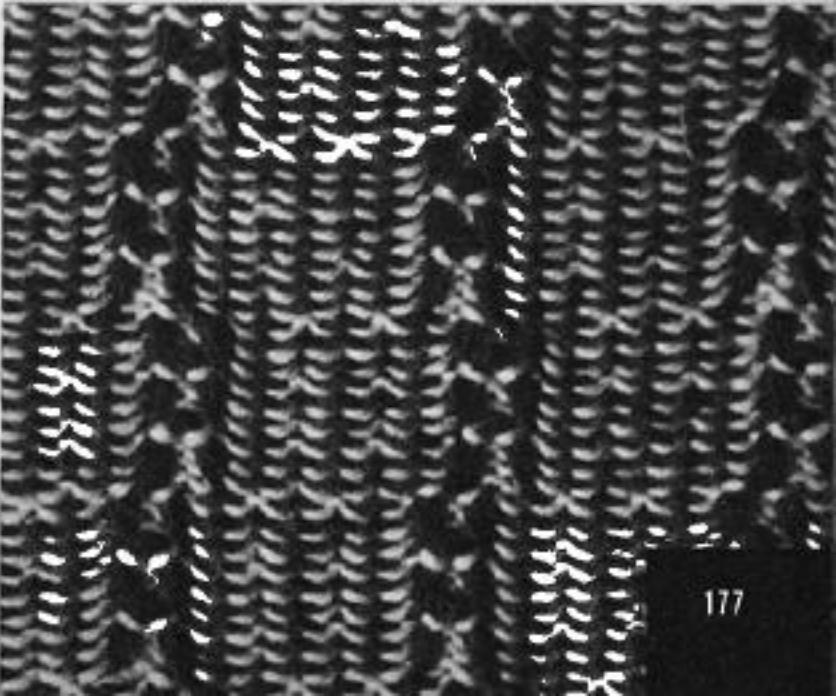
739

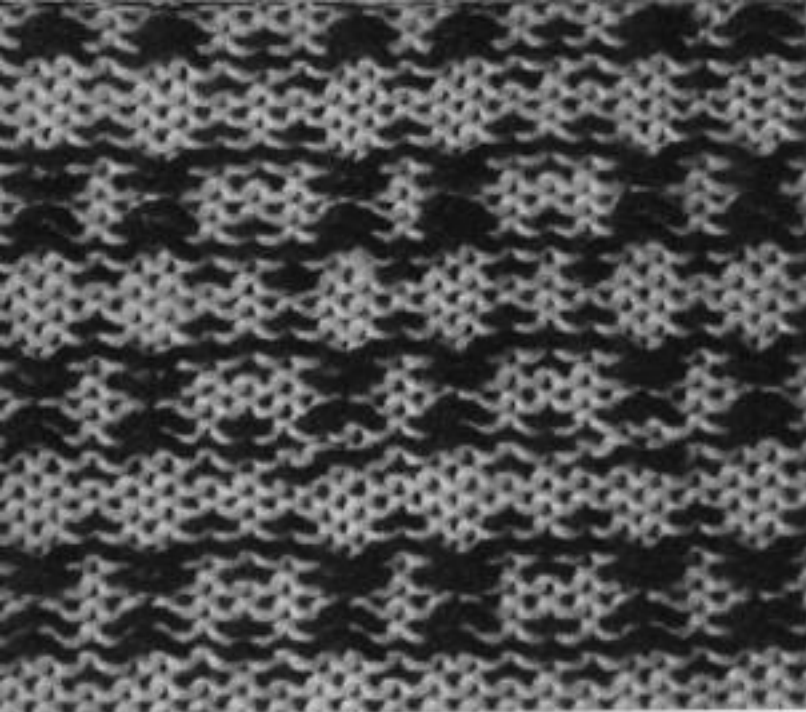
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	←	2	1	2	2	2	2	2	2	2	2	2	2	2	2
3	→	3	1	3	3	3	3	3	3	3	3	3	3	3	3
4	←	4	1	4	4	4	4	4	4	4	4	4	4	4	4
5	→	5	1	5	5	5	5	5	5	5	5	5	5	5	5
6	←	6	1	6	6	6	6	6	6	6	6	6	6	6	6
7	→	7	1	7	7	7	7	7	7	7	7	7	7	7	7
8	←	8	1	8	8	8	8	8	8	8	8	8	8	8	8
Apparatus													8 sts, 6 row = 1 pattern		



740

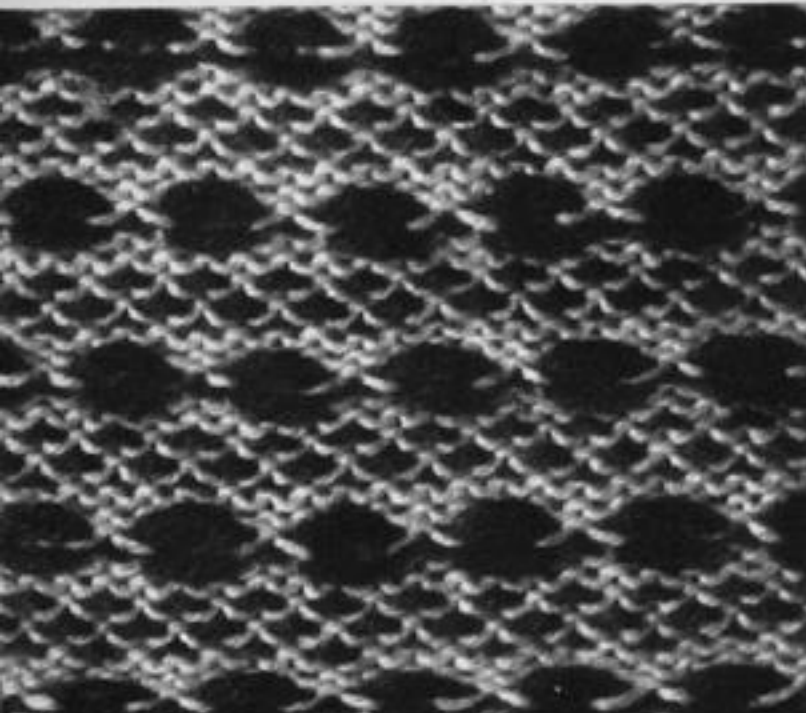
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left	TUCK PLAIN PART	H. C. L. Right	Weaving Apparatus	1 2 3 4 5 6 7 8	Needle Selection	Reverse Knob	Slide Dial	Weaving Thread	Dir. of L. Carriage	1 2 3 4 5 6 7 8	Symbols of Stitch
1	→	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	←	2	1	2	2	2	2	2	2	2	2	2	2	2	2
3	→	3	1	3	3	3	3	3	3	3	3	3	3	3	3
4	←	4	1	4	4	4	4	4	4	4	4	4	4	4	4
5	→	5	1	5	5	5	5	5	5	5	5	5	5	5	5
6	←	6	1	6	6	6	6	6	6	6	6	6	6	6	6
7	→	7	1	7	7	7	7	7	7	7	7	7	7	7	7
8	←	8	1	8	8	8	8	8	8	8	8	8	8	8	8
Apparatus													8 sts, 8 row = 1 pattern		





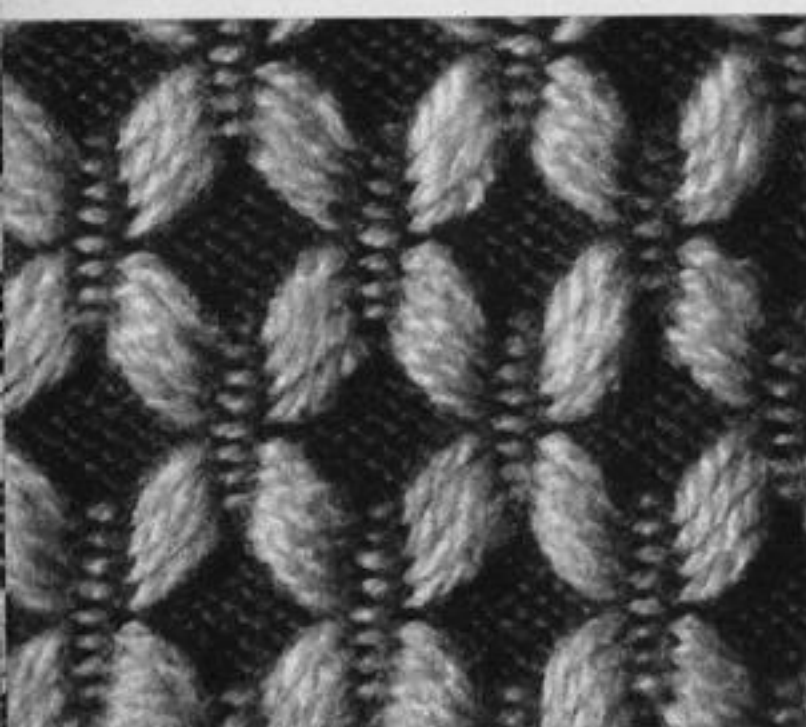
741

8																					
7																					
6																					
5																					
4																					
3																					
2																					
1																					
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left		CARRIAGE TUCK PLAIN PART		H. C. L. Right		Weaving Apparatus	Needle Selection 1 2 3 4 5 6 7 8 Reverse Knob Slide Dial								Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
											Apparatus 8 sts, 8 row=1 pattern										



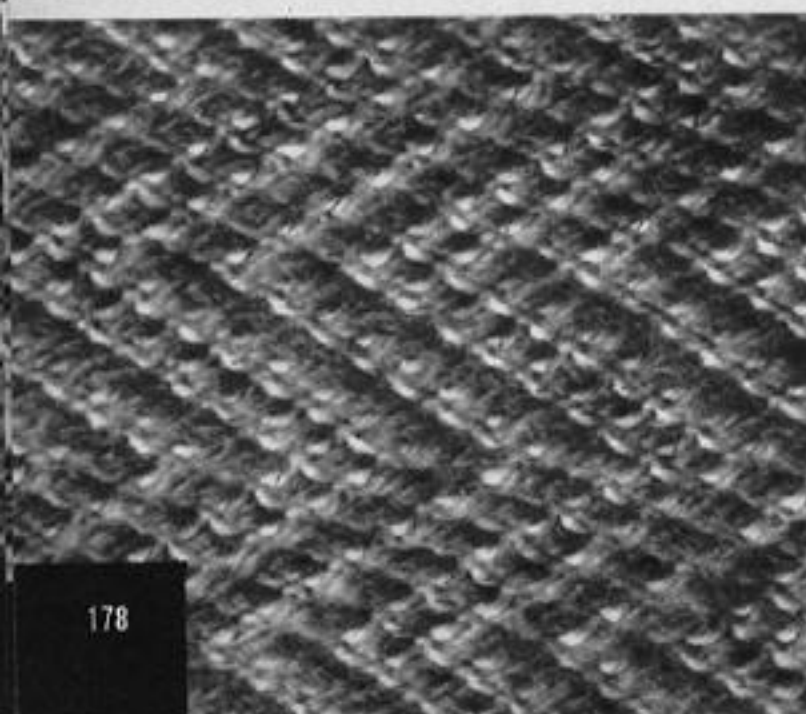
742

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4																					
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Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left		CARRIAGE TUCK PLAIN PART		H. C. L. Right		Weaving Apparatus	Needle Selection 1 2 3 4 5 6 7 8 Reverse Knob Slide Dial								Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
											Apparatus 8 sts, 14 row=1 pattern										



743

16																					
15																					
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4																					
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Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left		CARRIAGE TUCK PLAIN PART		H. C. L. Right		Weaving Apparatus	Needle Selection 1 2 3 4 5 6 7 8 Reverse Knob Slide Dial								Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
											Apparatus 8 sts, 16 row=1 pattern										

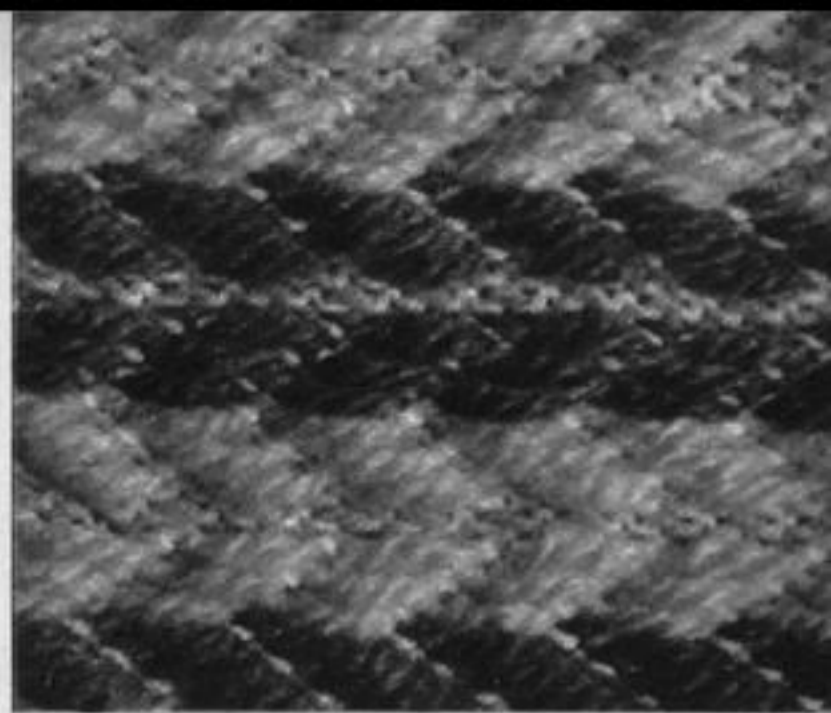


744

14																					
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3																					
2																					
1																					
Steps	Carriage Direction	Color	Tension Dial	H. C. L. Left		CARRIAGE TUCK PLAIN PART		H. C. L. Right		Weaving Apparatus	Needle Selection 1 2 3 4 5 6 7 8 Reverse Knob Slide Dial								Weaving Thread	Dir. of L. Carriage	Symbols of Stitch
											Apparatus 8 sts, 14 row=1 pattern										

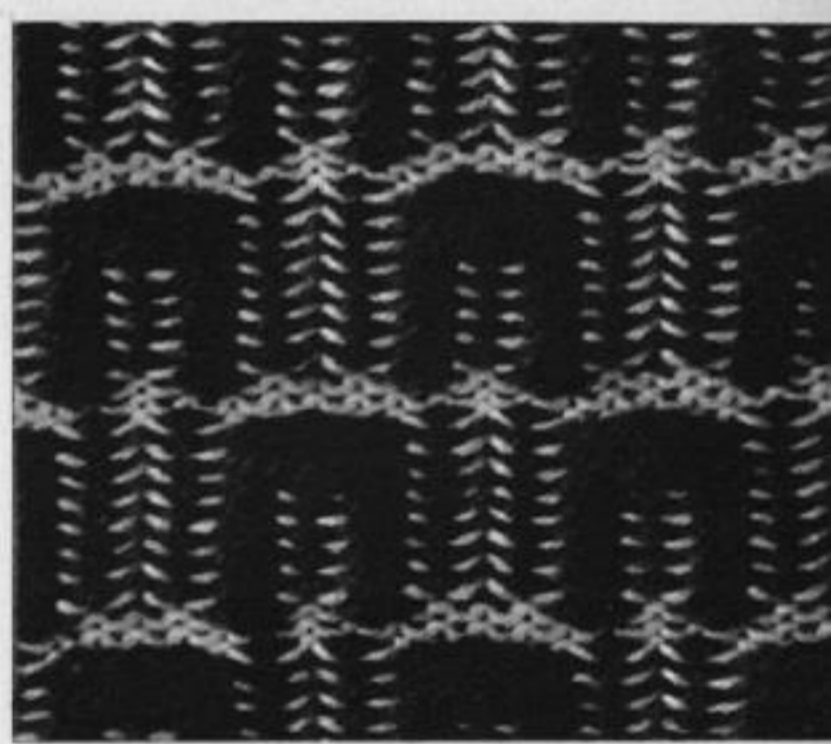
745

Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Carriage Direction	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔		
Color																																	
Tension Dial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carriage	TUCK			PLAIN			PART																										
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Needle Selection	1	2	3	4	5	6	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
Reverse Knob	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Slide Dial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apparatus																																	
8 sts. 16 row = 1 pattern																																	
Weaving Thread																																	
Dir. of L. Carriage																																	
1 2 3 4 5 6 7 8																																	
Symbols of Stitch																																	



746

Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32			
Carriage Direction	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔			
Color																																			
Tension Dial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Carriage	TUCK			PLAIN			PART																												
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Needle Selection	1	2	3	4	5	6	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
Reverse Knob	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Slide Dial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apparatus																																			
8 sts. 20 row = 1 pattern																																			
Weaving Thread																																			
Dir. of L. Carriage																																			
1 2 3 4 5 6 7 8																																			
Symbols of Stitch																																			



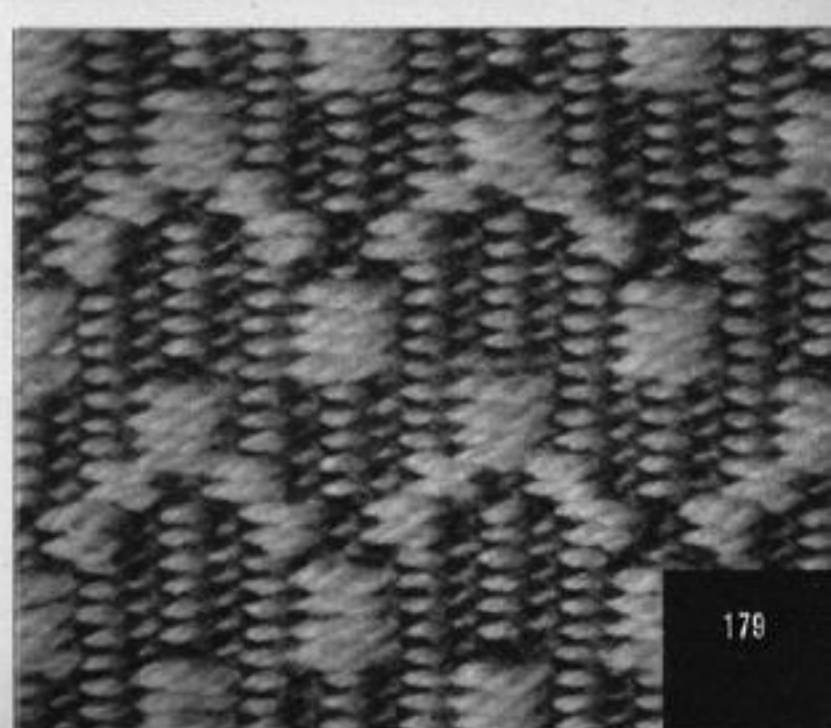
747

Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32				
Carriage Direction	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔			
Color																																				
Tension Dial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Carriage	TUCK			PLAIN			PART																													
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Needle Selection	1	2	3	4	5	6	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
Reverse Knob	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Slide Dial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apparatus																																				
8 sts. 6 row = 1 pattern																																				
Weaving Thread																																				
Dir. of L. Carriage																																				
1 2 3 4 5 6 7 8																																				
Symbols of Stitch																																				

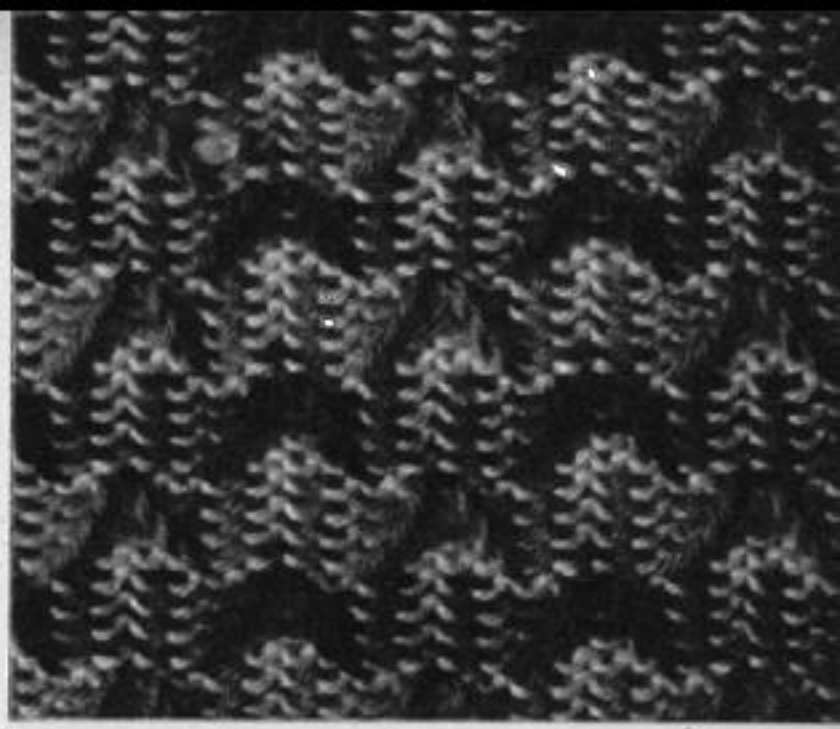
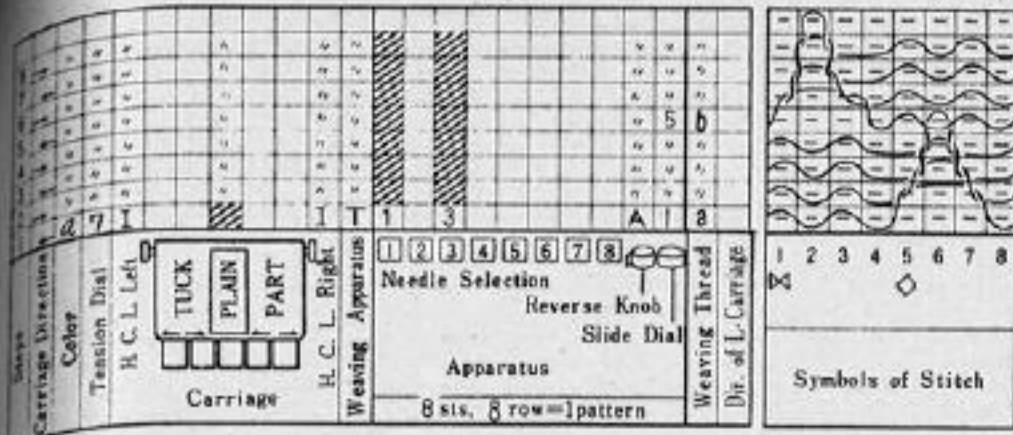


748

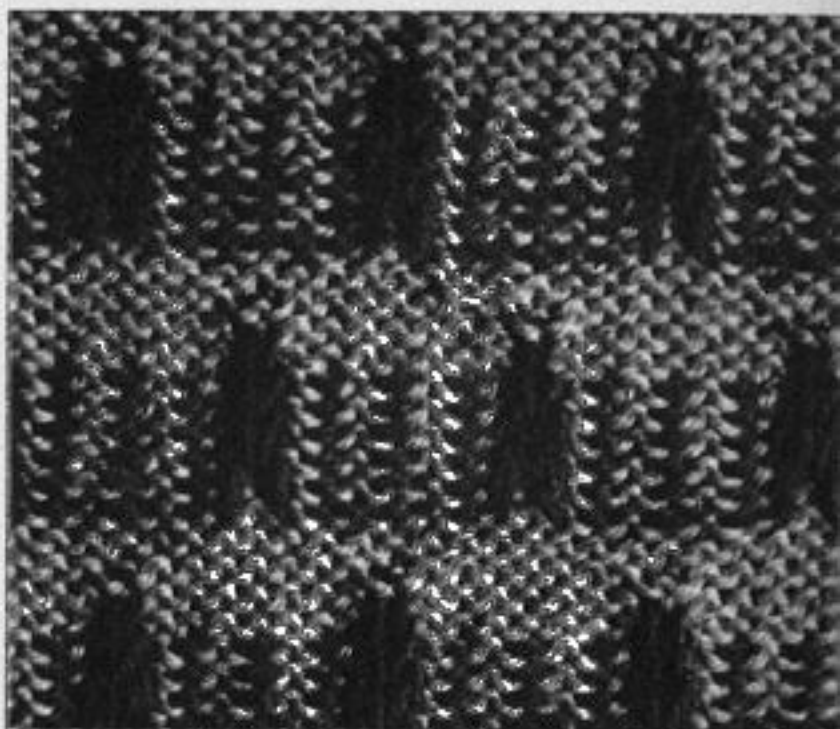
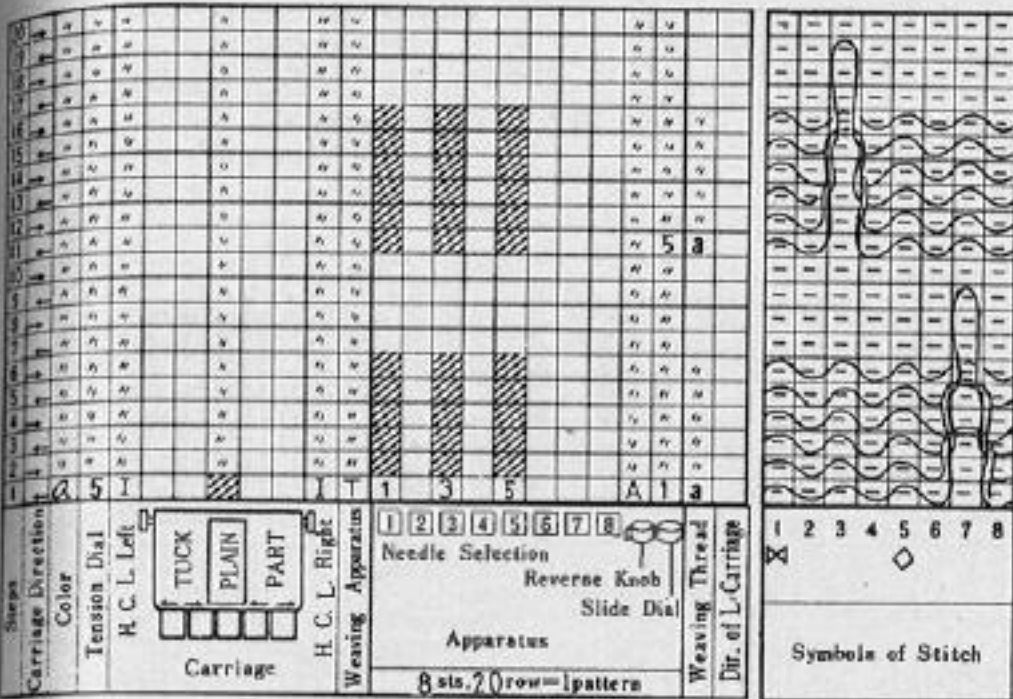
Steps	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32					
Carriage Direction	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔			
Color																																					
Tension Dial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
H. C. L. Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Carriage	TUCK			PLAIN			PART																														
H. C. L. Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Needle Selection	1	2	3	4	5	6	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
Reverse Knob	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Slide Dial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apparatus																																					
8 sts. 12 row = 1 pattern																																					
Weaving Thread																																					
Dir. of L. Carriage																																					
1 2 3 4 5 6 7 8																																					
Symbols of Stitch																																					



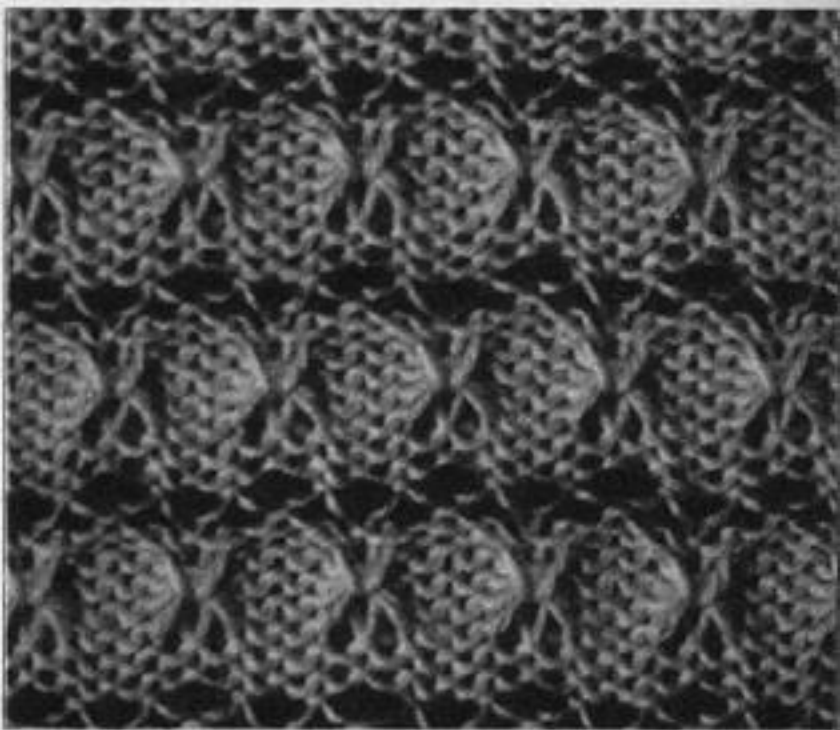
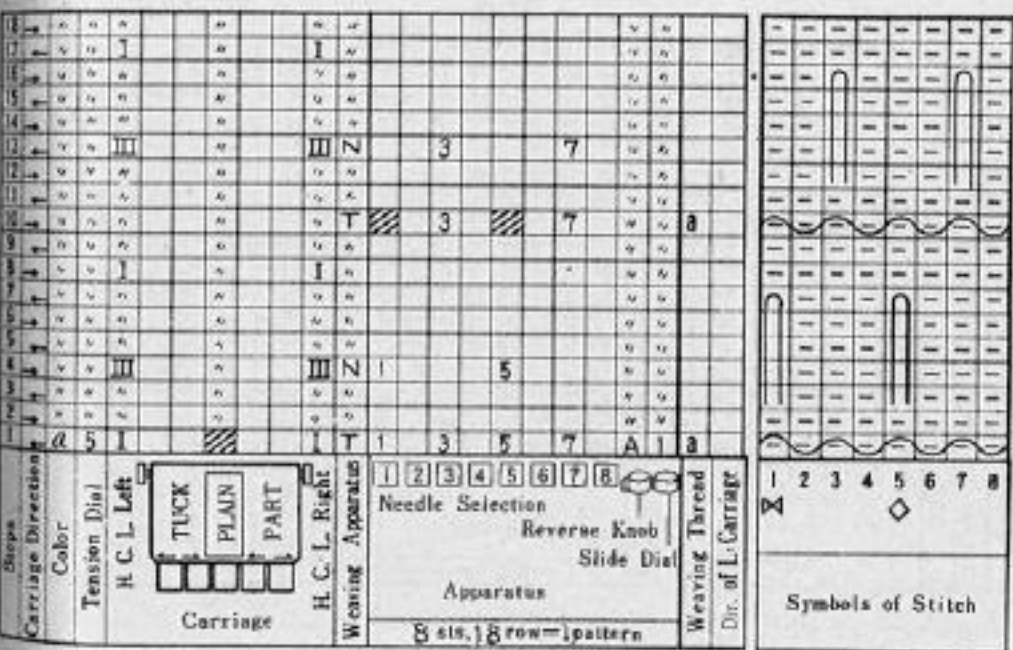
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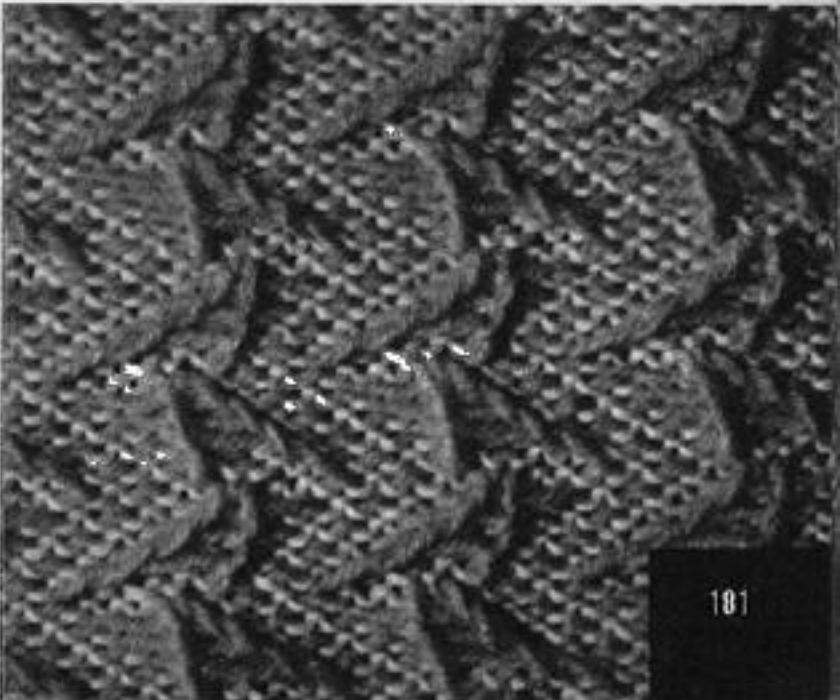
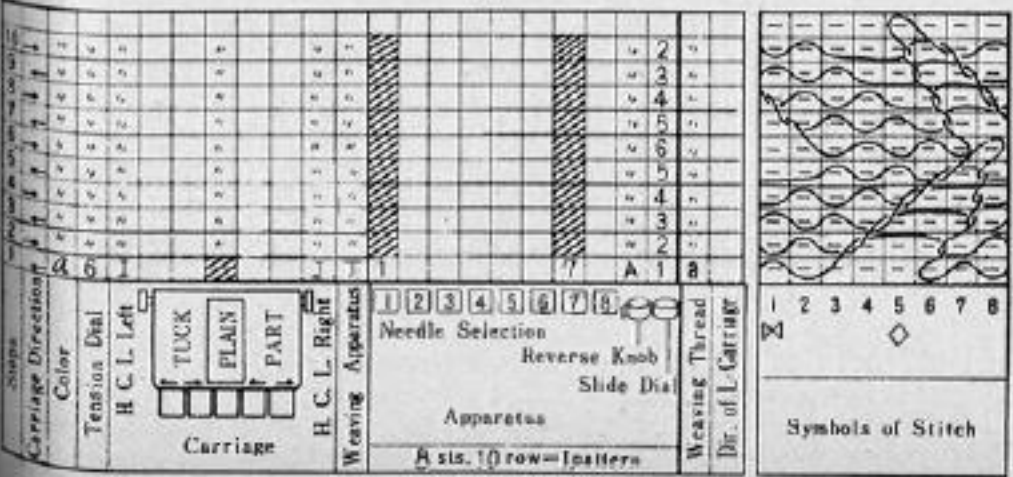
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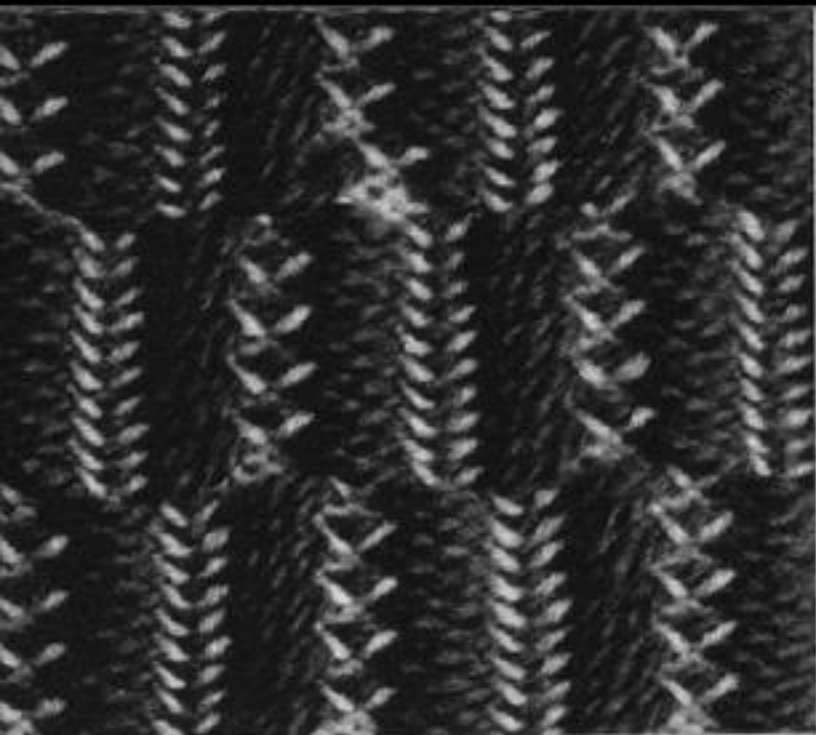


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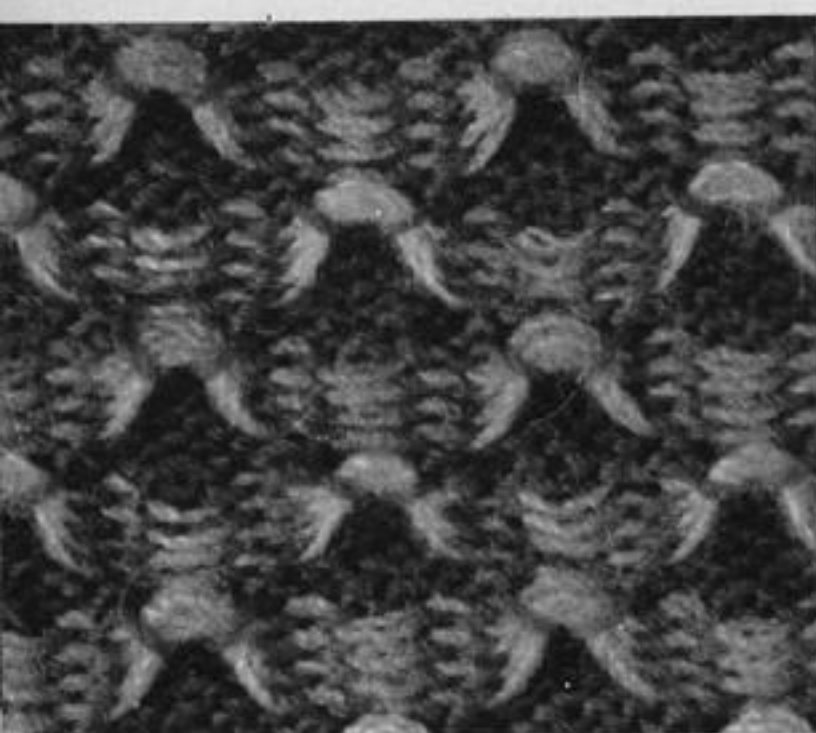


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Steps
Carriage Direction
Color
Tension Dial
H. C. L. Left
TUCK
PLAIN
PART
Carriage
H. C. L. Right
Weaving Apparatus

1 2 3 4 5 6 7 8
Needle Selection
Reverse Knob
Slide Dial
Apparatus
8 sts, 20 row = 1 pattern

Weaving Thread
Dir. of L-Carriage
1 2 3 4 5 6 7 8
Symbols of Stitch

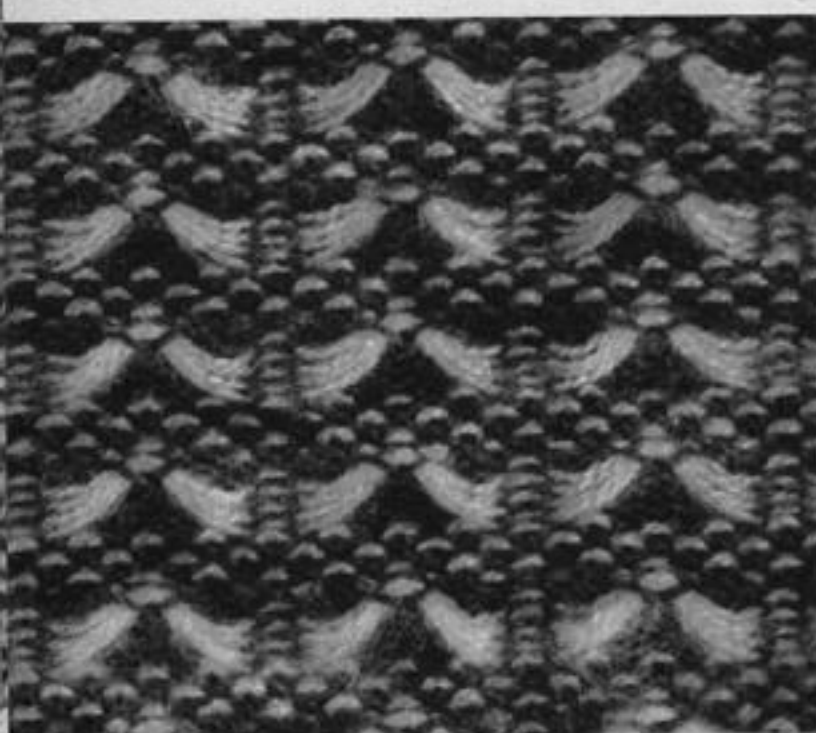


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1																							

Steps
Carriage Direction
Color
Tension Dial
H. C. L. Left
TUCK
PLAIN
PART
Carriage
H. C. L. Right
Weaving Apparatus

1 2 3 4 5 6 7 8
Needle Selection
Reverse Knob
Slide Dial
Apparatus
8 sts, 10 row = 1 pattern

Weaving Thread
Dir. of L-Carriage
1 2 3 4 5 6 7 8
Symbols of Stitch

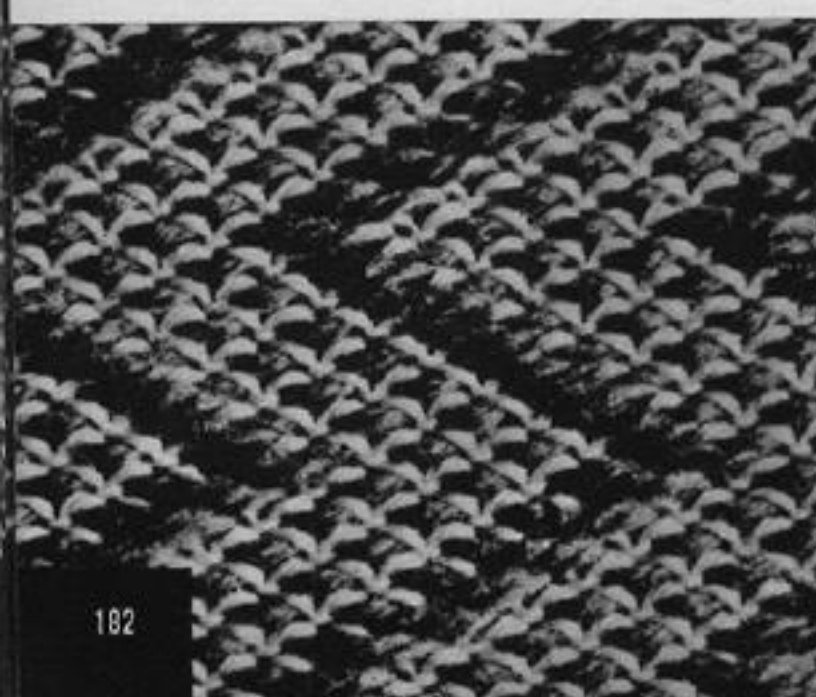


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Steps
Carriage Direction
Color
Tension Dial
H. C. L. Left
TUCK
PLAIN
PART
Carriage
H. C. L. Right
Weaving Apparatus

1 2 3 4 5 6 7 8
Needle Selection
Reverse Knob
Slide Dial
Apparatus
8 sts, 14 row = 1 pattern

Weaving Thread
Dir. of L-Carriage
1 2 3 4 5 6 7 8
Symbols of Stitch



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Steps
Carriage Direction
Color
Tension Dial
H. C. L. Left
TUCK
PLAIN
PART
Carriage
H. C. L. Right
Weaving Apparatus

1 2 3 4 5 6 7 8
Needle Selection
Reverse Knob
Slide Dial
Apparatus
8 sts, 14 row = 1 pattern

Weaving Thread
Dir. of L-Carriage
1 2 3 4 5 6 7 8
Symbols of Stitch