

Lecture 16

Rib & Cord Structures II

Pique

Piques

A typical pique structure consists of a plain face fabric in which stitching ends are used. These stitching threads are given long floats, and are provided from a separate beam which is very heavily weighted. The stitching threads are interlaced to the plain face at some points, so the face is pulled down and indentation or cuts in the weft side are formed. Generally one stitching end is used with two face ends.

\$90 \$24 \$90 \$24 \$D8 \$6C - 6

	S	X		S	X
X	S		X	S	
		X			X
X			X		
		X			X
X			X		

The stitching threads are interlaced at same horizontal positions, so straight cuts are formed, the design being known as welt. In order to increase the prominence of the unstitched portions of the cloth, it is customary to insert wadding picks between the tight back stitching ends and the slack face fabric. In wadding picks, all the face ends are raised and the stitching ends are left down.

\$90 \$24 \$B4 \$B4 \$90 \$24 \$D8 \$6C - 6

	X	X		X	X
X	X		X	X	
		X			X
X			X		
W		W	W		W
W		W	W		W

Such fabrics are known as loose back welts, while if the floats of the stitching ends are interlaced with one or all of the stuffer threads, it is called fast back welt and is more stable.

\$90 \$24 \$F4 \$BC \$90 \$24 \$D8 \$6C - 6

	X	X		X	X
X	X		X	X	
		X			X
X			X		
X		X	X	I	X
X	I	X	X		X
		X			X
X			X		

If the interlacement (lifting) of stitching threads with face picks is not on the same horizontal line, a waved pique is formed. If we make a group of interlacements and then draw it two times (weft wise) in a repeat at different ends, and then use these two group of marks in a pique, it will give a beautiful appearance. e.g., let the motif be

		X		
		X		
	X		X	
	X		X	

X		X		X
X		X		X
	X		X	
	X		X	
		X		
		X		

							X	
							X	
						X		X
						X		X
X					X		X	
X					X		X	
						X		X
						X		X
							X	
							X	
		X						
		X						
	X		X					
	X		X					
X		X		X				
X		X		X				
	X		X					
	X		X					
		X						
		X						

This will give rise to a design, in which two stuffer picks are used between two groups of marks. \$934924 \$259249 \$9A6924 \$2CB249 \$D34D24 \$659649 \$9A6924 \$2CB249 \$934924 \$259249 \$B6DB6D \$B6DB6D \$924934 \$249259 \$9249A6 \$2492CB \$D24D34 \$649659 \$9249A6 \$2492CB \$924934 \$249259 \$B6DB6D \$B6DB6D - 24

W		W	W		W	W		W	W		W	W		W	W		W	W		W			
W		W	W		W	W		W	W		W	W		W	W		W	W		W			
		X			X			X			X			X		P	X			X			
X			X			X			X			X			X	P		X					
		X			X			X			X			X	P	X			X	P	X		
X			X			X			X			X			X	P		X		X	P		
		P	X			X			X			X	X			X		P	X		X		
X	P			X			X			X	X		X			X	P		X				
		X			X			X			X			X	P	X			X		P	X	
X			X			X			X			X			X	P		X		X	P		
		X			X			X			X			X		P	X			X	P		
X			X			X			X			X			X	P		X		X	P		
W		W	W		W	W		W	W		W	W		W	W		W	W		W	W		W
W		W	W		W	W		W	W		W	W		W	W		W	W		W	W		W
		X			X			P	X			X			X			X			X		X
X			X			X	P			X			X			X			X			X	
		X			P	X			X			P	X			X			X			X	
X			X	P		X			X	P		X			X			X			X		
		P	X			X			P	X			X			P	X			X			X
X	P			X			X	P			X			X	P			X			X		

