## DESIGN BRIEF

END USE . Scarf

DESIGN CONCEPT • Showing off a Fancy Yarn

Weft: Inches

Over-twisted varn to create a crunchy textured cloth

COLOUR . Black with a Multicoloured thread

WEAVE • C35

 Threading: Point Twill (C) Lifting: 2/2 Twill variation (35)

UNIT OF FIBONACCI . Warp: Not used

DEVELOPMENTS . None



HAD in my store cupboard a brightly coloured Rayon Fancy yarn. I believe that the best way to use a Fancy yarn well is to allow that Fancy varn to speak for itself in a simple but direct way. (See Design 36 Spindle Jacket.)

I needed to choose a Weave Structure from the Multiple Sectioned Sample Blanket that had fairly long floats in the warp, to allocate this varn to and thus give it the chance to be clearly seen.

I also wanted to produce a crunchy texture to the finished cloth. In simplistic terms the way to achieve a 'crunchy' texture is to have yarns of different shrinkage in the warp and an over-twisted weft.

Pattern 'C35' illustrated on page 153 seemed an appropriate Weave Structure to use

On examination of the computer weave drawdown of C35, it is clear that every alternate end in the weave is creating a long warp float. These warp floats are working in pairs. I decided to allocate only one end per pair of floating ends to the Fancy Rayon (non shrinking) yarn. The other floating end per pair is allocated a fine black Wool thread. which will shrink more than the Fancy varn during a gently milling in the finishing process.

All the other ends in the warp are an over-twisted wool varn. This over-twisted varn is also used in the weft and is the chief element creating the crunchy handle of the finished scarf. The Sett of this cloth is very open to allow the space for the cloth to collapse into itself on finishing. The photograph of Design 45 Firework Night Off Loom shows the cloth before washing.

The over-twisted yarn is a Black 52/2nm Wool Crepe with 30 turns per inch. Contrasting the highly coloured Fancy yarn against a

black background could only enhance the brightness of its

The main tip I can give you when using a very 'active' over-twisted type of yarn, is to allow no take up of length in the weft during weaving. Allow each pick to go straight across the open shed under gently tension and be gently tapped into place with the Reed. My experience has taught me that any surplus length of over-twisted yarn in the weft just snarls up into an ugly rough bristle-effect over the surface of the finished cloth

On reflection maybe this bristle phenomenon could be exaggerated for design effect in the future.

The Crepe yarn gave no particular problem in warping. While threading and sleying however, it did jump back a bit, so I just made sure that there was a long length of thread that could be drawn through the heddle eye and Reed.

I wove bands 20 cm wide, in the Black over-twisted weft using Lifting Plan 35. These bands are separated by 20 picks of Plain Weave woven

in the Black Worsted Wool varn that is also used in the warp. These Plain Weave sections Firework Night Off Loom do not collapse like the wide over-twisted weft stripes and instead create softly undulating pleats between the highly crunchy and colourful weft bands.

The finished scarf has a perfect lightweight crepe handle. I feel that the brightlycoloured and ornate Fancy yarn has been allowed to produce the main design





DESIGN NAME: FIREWORK NIGHT

WARP YARN: WEET YARN: 2/24 Worsted - 11,211 m/kg (5,600 yds/lb) 52/2nm Wool Crepe - 26,000 m/kg (13,000 yds/lb) 52/2 Wool Crepe - 26.000 m/kg (13.000 vds/lb)

Fancy Coloured Rayon

TAKE-UP/SHRINKAGE:

FPI: 14 Reed: 14/1 PPI: 32 Selvedge: 14/3

Selvedge: 18 ends each side ENDS IN WARP: 224 plus Selvedge ends

Weft: 50% Warp: 6% Width in loom: 43 cm (17") Woven length: 179 cm (70.5") Finished width: 20.3 cm (8") Finished length: 167.6 cm (66")

FINISHED WEIGHT OF SCARF: 90 q (3.2 oz)

FINISH: Washed in the 'Wool' cycle of a washing machine.





Computer drawdown diagram: Firework Night



						•
	92	18		1	18	2/20 Worsted Wool Black
	112		1	1		52/2nm Wool Crepe Black
	56			1		Fancy coloured Rayon
Total	ande 260	Colv	V56		Solv	

Point Twill Threading Plan

Selvedge

## THREADING PLAN Point Twill (C) w = Wool Fnd c = Crepe End f = Fancy Rayon End

			X3 Selvedge							
	4					4	4	4	4	1
3			3		3		3		3	1
	2	2	2	2	2					1

## Start ->

LIFTING PLAN: Plain Weave (1) Bell Celtic Var

(1)	3	- 3		- 3			- 3		3		3		13
riation (35)	2		2		2	2	2	2	2				Г
	1	1		1		1		1		1		1	
		Lif	ting	pla	n 1				X.				
								Lift	ina	Plan	35		

WEFTING PLAN:

Lifting Plans	1	35	1
2/20 Worsted Wool	20		20
52/2nm Wool Crepe		256	

	Heddles per shaft							
	Including 3 Selvedge heddles each side							
62	31 4 31							
62	31	3	31					
62	31	2	31					
62	31	1	31					





Firework Night