

Blue and White Striped Twill Towels

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Triangle Weavers Towel Exchange 2014

modified draft from Väv Magazine 1/11 by Susan Foulkes
second prize in Väv handtowel competition

8-shaft draft woven on 36" Harrisville loom

treadle tie-up: 2 4 6 8 x x 7 5 3 1

27" loom waste

15 dent reed, 2 ends per dent (30 epi), woven at 24 ppi

note: 30 epi is a close sett which produces a warp-faced cloth

this is optimal to showcase the vertical wave pattern

Warp: 4 ¼ yds 8/2 cotton for 3 towels plus one square bread cloth
White from Yarn Barn of Kansas (A quality – more tightly spun)
China blue and Copen blue, both UKI (B quality)
25 stripes, 24 ends per stripe
3 extra white ends on each side to preserve pattern with draw-in
608 warp ends, 606 heddles plus floating selvages
13 white stripes = $312 + 8 = 320$ ends (6.5 oz)
12 blue stripes = 96 ends China blue (2 oz) and 192 Copen (4 oz)

Weft: 8/2 cotton, White (A quality)
sampled with bleached 20/2 linen, but the crisp white of the cotton is better
1 oz weft weaves about 23"

4.25 yards warp = 153"

subtracting 27" loom waste = 126" to weave

this produced 116" woven cloth (under tension), 113" off tension and off loom

washed and dried, piece is 104" = 17.5% take-up and shrinkage

warp-faced cloth has a lot of take-up

20" in the reed gave 19" off the loom and 18" washed and dried = 10% take-up and shrinkage

machine zig-zagged and cut 3 pieces 28 ¼ long and one piece 19"

rolled hems on each end require about 1 ¼" per towel so final length is 27"

hand stitched hems

For hanging loops, the instructions from the Väv article were modified as follows:

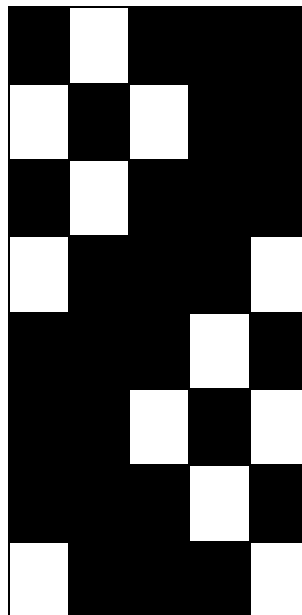
- all 8/2 cotton for warp (no 16/2 for background ends)
- fewer ends (35 total instead of 47)
- single wave pattern instead of three
- inkle loom instead of rigid heddle
- 10/2 cotton for weft

Warp order:

- 2 White
- 1 Copen
- 2 White
- 1 Copen
- 2 White
- 1 Copen
- 2 White
- 1 China
- 2 White
- 1 China
- 2 White
- 1 China
- 2 White
- 1 China
- 2 White
- 1 Copen
- 2 White
- 1 Copen
- 2 White
- 1 Copen
- 2 White

Graph for wave pattern using China Blue warp ends:

Work from bottom to top and repeat for pattern.
Keep band width at 13-14 mm.



Pattern sequence (Baltic-style pick-up over China Blue pattern ends) as follows:
Ends numbered in black are raised in that shed; at each step, pick up the additional pattern end numbered in blue.

2 3 4 push down for shed;
bring weft right to left; change shed and beat

1 2 3 5 lift up for shed;
bring weft left to right; change shed and beat

- 1 2 4 continue as above...
- 1 2 3 5
- 2 3 4
- 1 3 4 5
- 2 4 5
- 1 3 4 5

