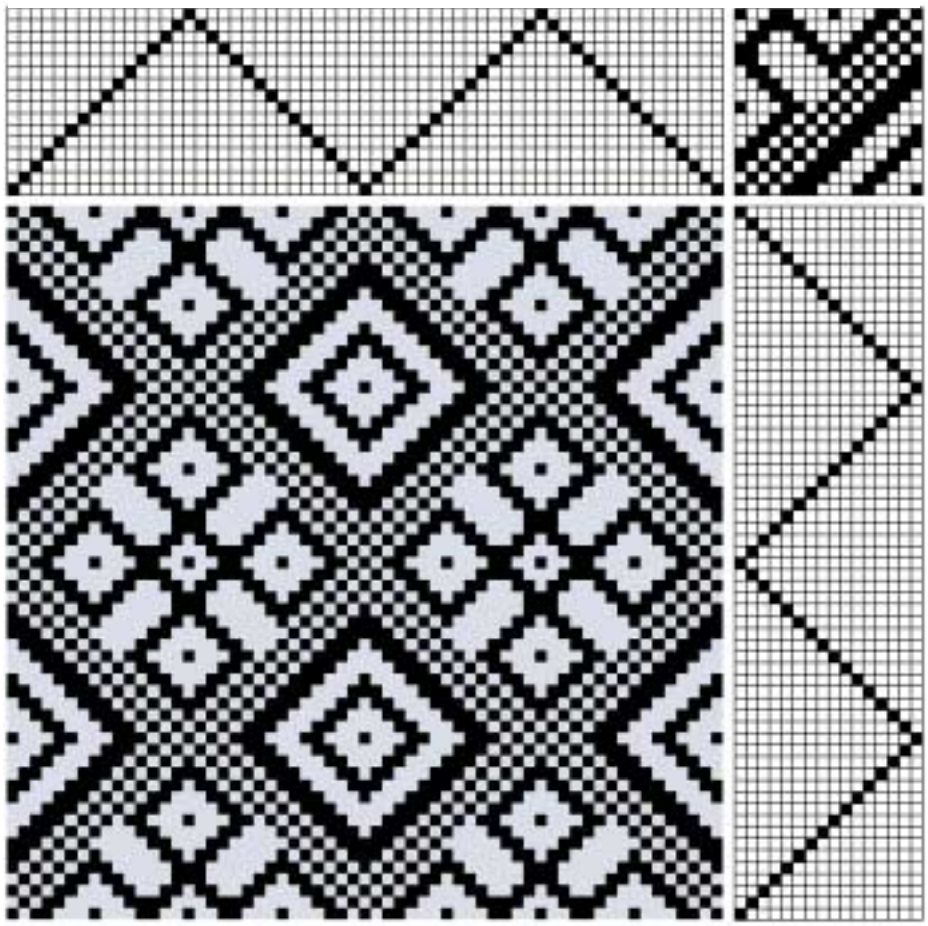
# DRAFTS FOR "Go Get 'em Tiger!" SHIRT FABRIC

FLAVIAN GEIS

In "Go Get 'em Tiger" (see the November/December 2002 issue of HANDWOVEN, pages 40–43), directions are given for dyeing, discharging, and redyeing a twill shirt fabric to coordinate with handwoven speedos. The fabric (shown here on page 2 and in the original article on page 41) is woven on sixteen shafts using the draft Figure 1 (at right). Drafts for similar twills on four and eight shafts are given here in Figures 2 and 3, page 3.

**1. 16-shaft draft for shirt fabric**



## Reducing twill drafts to fewer shafts

Twills on four or eight shafts can be used just as effectively for this fabric as the 16-shaft twill—especially since the dye and discharge treatments are more visually prominent than the twill pattern. You can choose any 4-shaft or 8-shaft twill for this purpose or you can reduce the 16-shaft draft to four or eight shafts, thereby keeping some of its original character.

One method for reducing twills is telescoping. The threading and treadling drafts in Figures 2 and 3 are created by telescoping the threading and treadling drafts in Figure 1. For example, to derive the 8-shaft threading draft in Figure 2, cut the 16-shaft threading draft in half between shafts 8 and 9 and place the top section over the bottom section. To create the 4-shaft draft in Figure 3, cut the 16-shaft threading between shafts 4 and 5, 8 and 9, 12 and 13, and then place the three upper sections over the bottom section. The treadling draft is derived in the same way.

Telescoping is possible only when the number of shafts (and treadles) in the original draft can be divided evenly by the number of shafts (and treadles) in the new, reduced draft.

The new tie-up can be a regular twill tie-up or any variation that creates appropriate float lengths and/or a pleasing design. Neither the tie-up in Figure 2 or Figure 3 is a regular twill tie-up.

## Sett considerations

Sometimes when a twill is reduced to fewer shafts, overall float lengths become shorter. Setts are directly affected by float length. The sett for plain weave, for example, must be more open than for twill to make room for the weft as it passes more frequently from the top to the bottom surface of the cloth. The drafts in Figures 2 and 3 are designed to provide float lengths similar to the original 16-shaft draft. Because the original fabric was difficult to beat to square, a sett of 50 epi is recommended for all three drafts.

***Flavian Geis**, of San Diego, California, enjoys weaving twills with fine silk threads and experimenting with shibori techniques.*

DRAFTS FOR GO "GET 'EM TIGER" SHIRT FABRIC 2

## Weaving the shirt fabric

Wind a warp, prepare the loom, and weave the fabric following the directions in Project at-a-glance and Figure 1, 2, or 3 for 243" (6¾ yd). Finish and dye the fabric and construct the garment as directed on pages 42–43 in the original article.

## PROJECT at-a-glance

**Weave structure for shirt fabric**
Point twill or extended point twill.

**Equipment**
4-, 8-, or 16-shaft loom, 35" weaving width; 10-dent reed; 1 shuttle.

**Yarns**
Warp: 60/2 silk (14,880 yd/lb), natural, 12,833 yd (13⅜ oz).
Weft: 60/2 silk, natural, 12,158 yd (13⅛ oz).

**Yarn sources**
60/2 silk is available from Webs, Treenway, and the Lunatic Fringe.

**Warp order and length**
1,711 ends 7½ yd long (allows 27" loom waste.

**Notions and other materials**
For dyeing and sewing materials and instructions, see pages 42–43 in the November/December 2002 issue of HANDWOVEN.

**Warp and weft spacing**
Warp: 50 epi (5/dent in a 10-dent reed). Width in the reed: 34¼". Weft: 50 ppi. (The recommended sett has been changed from the original article so that the fabric has a slightly softer hand and can be more easily beaten to square.)

**Take-up and shrinkage**
After washing, 8% in width, 8% in length (3% take-up, 5% shrinkage). Amounts produce a piece of fabric 31½" × 231".

**Note that the tie-ups in Figures 2 and 3 are not regular twill tie-ups. (In regular twill tie-ups every treadle shows the same proportion of shafts up to shafts down.)**

**2. 8-shaft draft for shirt fabric**

**3. 4-shaft draft for shirt fabric**