Beiderwand Blues

Here is a design for a bedspread fabric in the old German coverlet technique called Beiderwand. This is a completely reversible compound weave structure, with block arrangements as versatile as the summer & winter weave system.

Warp Used

For the warp we used a size 10/2 cotton, mercerized and gassed, in two colors. The main color was Forest (#11) and the binder threads were in Chocolate (#37).

Weft Used

There were two threads used in the weft. The tabby weft was a 10/2 cotton in blue (#68). The pattern weft was a 2 ply tussah silk in the natural color with a black fleck.

Reed Used

A 15 dent reed was used and it was sleyed two ends per dent throughout the entire warp, making 30 ends per inch.

Threading Draft

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| 7 | X | X | X | X | X | X | X |
| 8 | X | X | X | X | X | X | X |

Key to Threads in Threading Draft

X = 10/2 cotton, Forest (#11)
0 = 10/2 cotton, Chocolate (#37)
DRAFTS AND DESIGNS:
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VOLUME 20, Number 1. SEPTEMBER 1977.

TIE-UP DRAFT

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TREADLING

Treadle x - 10/2 cotton, blue
Treadle A and 1 - 2 ply tussah silk
Treadle y - 10/2 cotton, blue
Treadle B and 1 - 2 ply tussah silk
Weave this block one time.

Treadle x - 10/2 cotton, blue
Treadle A and 2 - 2 ply tussah silk
Treadle y - 10/2 cotton, blue
Treadle B and 2 - 2 ply tussah silk
Weave this block one time.

Treadle x - 10/2 cotton, blue
Treadle A and 3 - 2 ply tussah silk
Treadle y - 10/2 cotton, blue
Treadle B and 3 - 2 ply tussah silk
Weave this block one time.

About the fabric

As you would expect with an overshot
type system, this is rather slow to weave.
Use a medium, even, double beat. We
anticipated a problem of different tension
between the two sets of warp threads, but
this did not occur and the weaving was
trouble-free throughout.

We put on a 14 yard warp, 40 inches
wide in the reed. The finished fabric is
12 yards 15 inches long and 38 inches wide.

Cost of the fabric

In the warp we used 3 lb. 6½ oz. of 10/2
cotton in Forest, and 13½ oz. in Chocolate.
At $8.50 a pound (4,200 yards/pound), the cost of
the warp comes to $36.10 for 14 yards, or
$2.58 per yard.

In the weft we used 1 lb. 6½ oz. of 10/2
cotton in Blue at a cost of $11.94. We used
4 lb. 14 oz. of 2 ply tussah silk, which, at
a cost of $8.00 per pound (1,200 yards/pound)
comes to $39.00 for the cost of the pattern
weft thread. So the total weft cost was
$50.94, or $4.08 per yard.

Warp cost per yard.................. $2.58
Weft cost per yard.................. $4.08
Fabric cost per yard................ $36.66
BRONSON PLAID

Although this is not a plaid in any traditional sense, this Bronson Spot design does have an overall plaid look to it. Designed with a vest in mind, cut on the bias, this fabric would also look good as a woman's shirt or sports jacket.

WARP USED

The warp was made up of two sizes of worsted, 18/2 and 12/2. See Key to Threading Draft for colors.

WEFT USED

The same colors and sizes of worsted used in the warp were also used in the weft.

KEY TO THREADS IN THREADED DRAFT

R = 18/2 worsted, Rose Brick
S = 18/2 worsted, Silver Grey
V = 18/2 worsted, Vienna Tan
C = 18/2 worsted, Creme Green
N = 12/2 worsted, Dark Navy Blue
B = 12/2 worsted, Black
L = 12/2 worsted, Laquer Red

REED USED

A 15 dent reed was used, and it was sleyed two ends per dent, making 30 ends per inch.

THREADING DRAFT

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TIE-UP DRAFT

ABOUT THE FABRIC

One thing to be aware of with this design is that harness \#1, with so many threads on it, comes up with the rest of the threads when you use treadle \#8, and it is the only harness that is supposed to stay down. You can either hang weights on this harness or, if you have a ninth harness, you can thread every other end that goes on harness \#1 on harness \#9, and tie-up \#9 the same as \#1.

Use a firm, even, double beat. The double beat is necessary to clear the shed.

The treadling looks complicated, but in fact is very easy to memorize and fun to weave. If you start with one pair of shuttles on one side and the other pair on the other, this helps a lot in keeping track of where you are.

We put on a 14 yard warp, 35½ inches wide in the reed. From this we got 12 yards 4 inches of finished fabric, 37 inches wide. As you see, it took in very little, and there was no problem with selvages.

COST OF THE FABRIC

The worsteds used in this sample are a Fabri-type yarn we have made for us in England. The 18/2 comes in 39 colors and has 5,000 yards to the pound. The 12/2 comes in 22 colors and has 3,500 yards per pound. They both sell for $0.80 a pound and come on half pound cones.

In the warp we used a total of 2 lb. 11 oz. of the 18/2 at a cost of $25.80, and 4 oz. of the 12/2 at a cost of $2.40. So the total cost of the warp was $28.20.

In the weft we used a total of 1 lb. 12 oz. of the 18/2 at a cost of $16.80, and 4 oz. of the 12/2 at a cost of $2.40. So the total cost of the weft was $19.20.

Here are the amounts broken down by color:
18/2 Rose Brick - Warp 11½ oz, Weft 7 oz.
18/2 Silver Grey - Warp 10 oz, Weft 7 oz.
18/2 Vienna Tan - Warp 11½ oz, Weft 7 oz.
18/2 Creme Green - Warp 10 oz, Weft 7 oz.
12/2 Dark Navy Blue - Warp 1 oz, Weft 1 oz.
12/2 Lacquer Red - Warp 1 oz, Weft 1 oz.
12/2 Black - Warp 2 oz, Weft 2 oz.
WARP COST PER YARD ...................... $2.00
WEFT COST PER YARD ................... $1.60
FABRIC COST PER YARD .................. $3.60

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VOLUME 20, Number 2, October 1977.

TREADLING

Treadle 8 - 12/2 worsted, Black
Treadle 7 - 18/2 worsted, C. Green x5
Treadle 6 - 18/2 worsted, R. Brick
Treadle 5 - 18/2 worsted, C. Green x2
Treadle 4 - 18/2 worsted, R. Brick
Treadle 3 - 18/2 worsted, C. Green x2
Treadle 8 - 12/2 worsted, Dark Navy Blue
Treadle 3 - 18/2 worsted, C. Green
Treadle 6 - 18/2 worsted, R. Brick
Treadle 2 - 18/2 worsted, C. Green x2
Treadle 1 - 13/2 worsted, R. Brick
Treadle 8 - 18/2 worsted, R. Brick
Treadle 7 - 11/2 worsted, C. Green
Treadle 8 - 18/2 worsted, R. Brick x4
Treadle 7 - 12/2 worsted, C. Green
Treadle 8 - 12/2 worsted, Black
Treadle 7 - 18/2 worsted, S. Grey x5
Treadle 8 - 13/2 worsted, V. Tan
Treadle 4 - 18/2 worsted, S. Grey
Treadle 8 - 18/2 worsted, V. Tan x2
Treadle 5 - 18/2 worsted, S. Grey
Treadle 8 - 18/2 worsted, V. Tan x2
Treadle 6 - 18/2 worsted, S. Grey
Treadle 8 - 18/2 worsted, S. Grey x2
Treadle 4 - 18/2 worsted, V. Tan
Treadle 8 - 18/2 worsted, S. Grey x4
Treadle 7 - 18/2 worsted, V. Tan
Treadle 7 - 18/2 worsted, S. Grey

This is the end of one complete repeat of the pattern. There are 80 picks in one repeat. Repeat over and over as desired.
LET'S PLAY TAG
This month's sample is a design for a bedspread in an eight harness weave called the Tag System.

WARP USED
Just one kind of thread was used in the warp and it was a 12/2 unmercerized, natural cotton.

WEFT USED
Two threads were used in the weft. The tabby weft was the same 12/2 unmercerized, natural cotton used in the warp. The pattern weft was a 3 ply silk noil in a brown color (not natural).

REED USED
A 15 dent reed was used and it was double sleyed, two ends per dent, making 30 ends per inch.

PROFILE DRAFT

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ABOUT THE FABRIC

This is a rather unusual unit weave which Harriet Tidball identifies as the Tag System. The only place I have seen a draft for it is in her book "The Handloom Weaves" where the threading for three units on eight harnesses is given with three variations in tie-ups. Each unit consists of eight ends; three of them are tie down ends threaded 2, 1, 2, and the other five ends are on three of the six pattern harnesses, threaded in a point twill sequence. The distinctive characteristic of this draft is that the three pattern harnesses used in one unit are not used exclusively for that unit. For example, harness 3 is used in the unit threaded 3, 4, 5, 6, 3 and also in the unit threaded 7, 8, 3, 8, 7. This seems to me to be the reason for the name of the weave, as each unit is kind of tagged on to the next one.

Variations in tie-up and treading give a wide range of patterns and textures. We will use a variation with a different tie-up in a future issue of Drafts and Designs.

This is a lot easier to weave than it looks, mainly because it is so easy to keep track of your threading sequence, without too much concentration. When I tied the loom up, I left a thread untied between treads 3 and 4 and between 6 and 7 and this made it easier to find the threads for the different blocks. I worked treads 1 through 8 with my left leg and treads 9, a and b with my right. I wove the fabric right-side-up using the tie-up given here, but you may want to weave it upside-down, lifting only two or three harnesses instead of five or six. The reverse side of this fabric, as you can see, is also very attractive.

This fabric was designed as a bedspread and either side could be used for this. It would also make good upholstery material and drapes. As it is predominantly warp-faced on the right side and weft-faced on the reverse, the two sides are quite different in color and texture.

The warp was 14 yards long and 40 inches wide in the reed. The finished fabric measured 11 yards 30 inches and took in to 38% inches wide.

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TREADLING

In this treading sequence, the numbered treads (treads 1 through 9) are picks of pattern thread - 3 ply silk noil. The lettered treads (treads a and b) are picks of tabby thread - 12/2 cotton.

The sequence is divided into three blocks, A, B and C, with the 3 block repeated twice in each pattern repeat. Each block consists of 20 picks, 10 of pattern and 10 of tabby.

Here is the treading sequence:

A: a, 1, b, 1, a, 2, b, 2, a, 3, b, 3, a, 4, b, 4, a, 5, b, 5, a, 7, b, 7, a, 9, b, 9, a, 10, b, 10, a
B: a, 4, b, 4, a, 5, b, 5, a, 6, b, 6, a, 7, b, 7, a, 8, b, 8, a, 9, b, 9, a, 10, b, 10, a
C: a, 7, b, 7, a, 8, b, 8, a, 9, b, 9, a, 10, b, 10, a, 11, b, 11, a, 12, b, 12, a

There is a total of 80 picks in one complete repeat of the pattern, 40 of tabby and 40 of pattern thread.

COST OF THE FABRIC

The 12/2 unmercerized, natural cotton is a great buy at 34¢00 a pound. It comes on one pound cones with 5,000 yards to the pound. We used 3 lb. 9 oz. of it in the warp, at a cost of $1.25, and we used 1 lb. 9 oz. of it in the weft, costing $1.25.

The 3 ply silk noil costs $6.80 per pound and has about 3,200 yards to the pound. We used 2 lb. 14 1/2 oz. of the noil in the weft, at a cost of $19.77.

So the total cost of the 14 yard warp, 40 inches wide in the reed, was $14.25, and the total cost of the weft was $26.02.

WARP COST PER YARD ................ $1.02
WEFT COST PER YARD ............... $2.20
FABRIC COST PER YARD ........... $3.22
POTPOURRI
The crazy assortment of yarns in this heavy drapery fabric leads us to this name for our sample this month. This should be a great inspiration for those of you who are hesitant about mixing yarn types in warp or weft.

WARP USED
The warp is made up of two kinds of ramie, a 16/2 natural eggshell ramie and a 40/2 natural white ramie, and a synthetic (dralon) 2 ply novelty yarn called White Delight.

WEFT USED
Two shuttles were used in the weaving of this fabric. One carried the White Delight that was also used in the warp. The other weft was a combination of three different cotton threads, all wound on one bobbin and used as one end. This was composed of: one end of 20/2 Egyptian cotton in Sun Gold, one end of natural cotton with a gold twist, and two ends of 12/2 natural, unmercerized cotton. So this weft thread was composed of four ends of fine cotton, creating one heavier thread.

KEY TO THREADS IN THREADING DRAFT
\[ C = 16/2 \text{ ramie, natural eggshell} \]
\[ X = 40/2 \text{ ramie, natural white} \]
\[ W = \text{White Delight, dralon novelty} \]

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DRAFTS AND DESIGNS
Published monthly (except July and August),
by Robin & Russ Handweavers, 533, N. Adams
Street, McMinnville, Oregon 97128.
SUBSCRIPTIONS: $8.00 per year, back issues
or single copies 85¢ each, plus 13¢ postage.
Yearly subscriptions start with the
September issue. If you subscribe after
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next September issue.

VOLUME 20, NUMBER 4, DECEMBER 1977.

REED USED
We used a 10 dent reed and double sleyed
it, two ends per dent, for the 16/2 and 40/2
ramie, and single sleyed it, one end per dent,
for the White Delight. Thus the 48 ends in one
pattern repeat were sleyed in to 32 dents.

TIE-UP DRAFT

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TREADLING
Treadle as follows:
1. Treadle 2 - White Delight
2. Treadle 3 - White Delight
3. Treadle 4 - White Delight
4. Treadle 3 - White Delight
5. Treadle 2 - White Delight
6. Treadle 6 - cotton combination
7. Treadle 7 - cotton combination
8. Treadle 8 - cotton combination
9. Treadle 7 - cotton combination
10. Treadle 6 - cotton combination

This is one complete repeat of the pattern.
The "cotton combination" is explained under
"Reed Used". Repeat over and over as desired.

ABOUT THE FABRIC
A question we are often asked by
customers in the store is whether it is
allright to use different types of yarns
together in one weaving. Of course this
depends on what your fabric is to be
used for and what you want it to look like
but this simple may answer one of these
questions. This fabric was absolutely no
problem at all to weave. The heavy White
Delight in the warp worked just fine with
the ramie threads, and weaving was smooth
and very fast because of the heavy ramie
threads.

Occasional knots in the White Delight
warp would not slide through the reed and
these had to be replaced by an end of
White Delight hanging from a weighted stick
down the back of the loom.

The treadling sequence was an easy one
to follow. I put all eight treadles in the
tie-up draft here to show you the draft I
worked from when designing this piece, but
as you can see, treadles 1 and 5 are not
used in this treadling sequence and need
not be tied up. I left a treadle untied
between treadles 4 and 5 and worked the two
halves of the sequence with different feet.

We got some other interesting designs
from this draft using all eight treadles
and with sequences with just one or two treadles.

The warp was 37½ inches in the reed and
wove down to about 35¾ inches wide. From
our 14 yard warp we got 12 yards 22 inches
of finished fabric. I measured the amount
lost to loom and figured that about
30 inches had been taken up in length
in weaving.

COST OF THE FABRIC
In the warp we used 5 lb. 6 oz of 'white
Delight (475-500 yds/lb) at $.05 per pound;
9 oz of 40/2 natural white ramie (5,000
yds/lb) at $.00 per pound; and 14 oz of
16/2 natural eggshell ramie (2,400 yds/lb)
at $.00 per pound. The total warp cost
for the 14 yard warp came to $2.46.
In the weft we used 7 lb. 9 oz of 'white
Delight; 1 lb. 19 oz of 12/2 natural cotton
(5,000 yds/lb) at $.00 per pound; 7 oz of
20/2 Sun Gold Egyptian cotton (8,000 yds/lb)
at $.00 per pound; and 8 oz of natural
cotton with gold twist (6,000 yds/lb) at
$.00 per pound. The weft cost came to a
total of 42.80, for 12 yards 22 inches
of finished fabric.

WARP COST PER YARD .................. $.05
WEFT COST PER YARD .................. $.04
FABRIC COST PER YARD .................. $.05
 drafts and designs

a guide for 5 to 12 harness weaves

VOLUME 20, Number 5, January 1978.

BUTTERMILK SKY
A six harness design for heavy drapery fabric. This is a double weave featuring a creamy, luxurious, chunky tussah silk and rayon combination yarn called Buttermilk.

WARP USED
There were three different yarns used in the warp. The fine white yarn is a combination of 70% polyester, 15% angora and 15% wool and is 6 ply. The natural colored thread which forms the backing layer is a 3 ply silk noil. The dominant yarn in this design is the chunky Buttermilk, a tussah silk and viscose rayon combination which is 2 ply.

WEFT USED
The same three threads used in the warp were also used as weft.

REED USED
A 6 dent reed was used and it was sleyed in an irregular way. The fine threads, which come in threes in the threading draft, were threaded three ends to a dent. The heavy Buttermilk ends were threaded one end per dent. This averages out to 14 ends per inch.

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KEY TO THREADS IN THREADING DRAFT
A = Angora, polyester & wool, white
B = Buttermilk, tussah silk & rayon, natural
N = Noil, 3 ply silk, natural
ABOUT THE FABRIC

We started off with a threading draft from Harriet Tidball's monograph, "Double Weave" and developed many, many exciting designs from this one unusual draft, using different yarns and with different fabric uses in mind. We will feature more in future Drafts and Designs and I guarantee that all you will recognize will be the draft.

This fabric was no problem at all to weave. The Buttermilk fuzzed a lot and bits of it fell off on to the floor around the loom and all over me, but this didn't cause any warp ends to stick and presented no problem at all in the weaving. The Buttermilk will shed some in the first washing, but after that will settle down and will not make a mess in use as drapes.

This is a relatively expensive fabric to make, at almost $12 a yard in materials, but well worth it for the elegant end product, a heavy, rich drapery fabric. Drapes, this fabric could be lined or unlined. It would also be suitable for various decorative fabrics for the dining or living room - a lampshade material, a waste paper basket or throw pillows.

This Buttermilk yarn is an interesting blend of tussah silk and rayon which we bought as a single ply yarn, and also sell as a single ply yarn, but we sent some of it out and had it plied. It works as a warp yarn this way and 1 like it better 2 ply as a weft yarn too. The silky white part of this yarn is the rayon and the dull tan part is the tussah silk. These two make a very pleasing combination.

A word about warping these yarns. If you use the sectional warping method, you won't run into any trouble, but I did notice that both the angora and the noil wind up on themselves and twist round each other and the tussah if they are not kept under tension. I fear that chain warpers may get entangled, but if you are aware of this problem you can take steps to avoid trouble.

Our warp was 14 yards long and 40 inches wide in the reed. From this we received 12 yards 30 inches of finished fabric, 35% inches wide. Note that it took in considerably across the width.
COOKIE CUTTER OVERLAY:
This fabric reminds us somewhat of the overlay pattern that is put onto some bakery products by the means of a cookie pattern maker. It is a 6 harness double weave, with 4 harnesses being used for the background, and 2 harnesses being used for the overlay pattern.

WARP THREADS USED:
There are three different threads used in the warp, and I'll list them here as indicated in the threading draft.
0—6 ply Angora & Trevira blend from England.
X—12/2 worsted, TEMPTING TAN.
A—natural, single ply, Donegal Tweed, doubled, 2 ends wound together as one.

WEFT THREADS USED:
The same three threads that are used in the warp, are also used in the weft.
0—6 ply White Angora & Trevira blend.
X—12/2 worsted, color Tempting Tan
A—natural, single ply, Donegal Tweed, doubled, 2 ends wound together on one bobbin to act as one thread.

THREADING DRAFT:

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TIE-UP DRAFT:

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KEY TO THREADS IN THE THREADING DRAFT:
0—6 ply white, Angora-Trevira blend.
X—12/2 worsted, color Tempting Tan
A—natural, single ply donegal wool tweed, doubled as one thread.
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Volume 20, Number 6, February 1978

REED USED:
A 10 dent reed was used, with a special
sleying of the reed. First note that each
A in the threading draft represents two
ends of natural donegal tweed threads which
are wound together as one. Then, you have
3 ends of either 12/2 worsted or angora-
trevira in one dent, then 2 ends of natural
donegal tweed in the next dent. Thus, the
reed is alternately threaded 3,2,3,2,3,2,
and as each A in the drafts represents two
threads wound together to represent one, it
could actually be said that it is 3,1,3,1,
in the sleying of the reed. With this
unusual sleying of the reed, you actually
have a total of 25 threads per inch.

PLEASE TAKE NOTE: While the natural
donegal tweed was doubled in the dents of
the reed, we actually put it single in the
heddles, as it has a tendency to twist if
you do not do it this way.

Two warp beams were used in the weaving
of this with the natural donegal wool
tweed on the 2nd warp beam. You can also
do this on just one warp beam, if you pick
up all of the natural donegal tweed yarns,
and keep it under a separate tension with
a lease stick and with weights on the end
and middle of the lease stick, to keep the
tension on this thread tight.

When we were through weaving this fabric
from the 15 yard warp, the thrums, or
waste warp thread was only 8 to 12 inches
long. However, the natural donegal wool
tweed was 52" long, as it does not weave
in as often as do the other threads.

A temple was used in the weaving of this
fabric, and is almost a must. Our finished
fabric was 36½" wide off the loom, and not
under tension, with the temple or stretcher
being used. If it had not been used, I
think the fabric would have come down to
about 33 to 34" width at the most.

TREADING SEQUENCE:
There are 22 shots in each complete
pattern repeat, as listed below.

1. Treadle # 2 - Angora-Trevira, white
2. Treadle # 1 - Angora-Trevira, white
3. Treadle # 2 - Angora-Trevira, white
4. Treadle # 6 - 12/2 worsted, tempting tan
5. Treadle # 5 - 12/2 worsted, tempting tan
6. Treadle # 6 - 12/2 worsted, tempting tan
7. Treadle # 4 - natural tweed, doubled
8. Treadle # 5 - 12/2 worsted, tempting tan
9. Treadle # 6 - 12/2 worsted, tempting tan
10. Treadle # 5 - 12/2 worsted, tempting tan
11. Treadle # 3 - natural tweed, doubled
12. Treadle # 6 - 12/2 worsted, tempting tan
13. Treadle # 5 - 12/2 worsted, tempting tan
14. Treadle# 6 - 12/2 worsted, tempting tan
15. Treadle # 4 - natural tweed, doubled
16. Treadle # 5 - 12/2 worsted, tempting tan
17. Treadle # 6 - 12/2 worsted, tempting tan
18. Treadle # 5 - 12/2 worsted, tempting tan
19. Treadle # 3 - natural tweed, doubled
20. Treadle # 6 - 12/2 worsted, tempting tan
21. Treadle # 5 - 12/2 worsted, tempting tan
22. Treadle # 6 - 12/2 worsted, tempting tan

End of one complete pattern repeat. Do
repeat over and over as desired.

COST OF THE THREADS USED AND MORE ABOUT
THEM.
The natural donegal tweed of 100% wool,
has about 1500 to 1600 yards per pound,
came to us on about 2 lb. cones, and it
is $4.80 per lb.
The 2/12's worsted, tempting tan, has
3300 yards per pound, and comes on about
1/2 lb. cones, and it is $9.60 per lb.
The 6 ply, white Angora-Trevira blend
is $6.80 per lb., and came on cones of
about 1 lb. to 1 lb. 4 oz. in weight.
Do not know the yardage on this one, but
would estimate at about 2,000 yards per
lb.

COST OF THE FABRIC:
In the warp, we used 2 lbs. 3 oz. of
2/12's worsted at $9.60 per lb. We used
13 oz. of the white Angora-Trevira at
$6.80 per lb., and we used 4 lbs. 5 oz.
of the natural, single ply, donegal wool
tweed yarn, at $4.30 per lb. Thus, our
total warp cost for 15 yards, 40" wide
was $47.25, or the warp cost per yard
was $3.15 per yard.

We had 12-3/4 yards of finished fabric.
It took 2½ lbs. of 12/2 tempting tan in
the weft. We used 10 oz. of Angora-Trevira
blend yarn, and 3 lbs. 8 oz. of the single
ply, natural donegal tweed. Thus the
whole weft cost for 12-3/4 yards of fabric
was $45.05, or the weft cost per yard
was $3.61 per yard.

WARP COST PER YARD, 40" wide ------ 3.15
WEFT COST PER YARD, ---------------- 3.61

fabric cost per yard was --- $ 6.66
drafts and designs

a guide for 5 to 12 harness weaves

VOLUME 20, Number 7, March 1978.

ANTIQUE ROSE BEIGE
An ideal upholstery fabric for a Chippendale or other classic antique piece of furniture.

WARP USED
The warp was made up of 20/2 Egyptian cotton in the color of Rose Beige.

WEFT USED
Two threads were used in the weft. The tabby weft was a natural cotton thread with a gold twist. The pattern thread was a 2 ply tussah silk and viscose combination, and this was doubled on the bobbin.

REED USED
A 15 dent reed was used and it was double sleyed, two ends per dent, making 30 ends per inch.

PROFILE DRAFT

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THREADING DRAFT

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TREADLING

In this treadling sequence, the treadles 1 through 6 and the x treadle are for picks of pattern thread - 2 ply tussah silk and viscose, doubled on the bobbin. The treadles a and b are for picks of tabby thread - the natural cotton with the gold twist.

The sequence is in three blocks, A, B, and C, with the B block woven twice in each complete repeat of the pattern.

Each block consists of 16 picks, 8 of tabby and 8 of pattern thread, woven alternately.

Treadle as follows:

A. a-tabby, x-pattern, b-tabby, x-pattern,
a-tabby, 1-pattern, b-tabby, 1-pattern,
a-tabby, 2-pattern, b-tabby, 2-pattern,
a-tabby, 1-pattern, b-tabby, 1-pattern,
B. a-tabby, x-pattern, b-tabby, x-pattern,
a-tabby, 3-pattern, b-tabby, 3-pattern,
B. a-tabby, x-pattern, b-tabby, x-pattern,
a-tabby, 4-pattern, b-tabby, 4-pattern,
a-tabby, 3-pattern, b-tabby, 3-pattern,
C. a-tabby, x-pattern, b-tabby, x-pattern,
a-tabby, 5-pattern, b-tabby, 5-pattern,
a-tabby, 6-pattern, b-tabby, 6-pattern,
a-tabby, 5-pattern, b-tabby, 5-pattern,
B. a-tabby, x-pattern, b-tabby, x-pattern,
a-tabby, 3-pattern, b-tabby, 3-pattern,
a-tabby, 4-pattern, b-tabby, 4-pattern,
a-tabby, 3-pattern, b-tabby, 3-pattern.

This is one complete repeat of the pattern. There are a total of 64 picks in one repeat. Repeat over and over as desired.

ABOUT THE FABRIC

There were no problems in the weaving of this fabric.

This is another design using the weave Harriet Tidball calls the Tag System, featured in Drafts and Designs of November 1977. The tie-up, treadling, threading profile and threads used have all been changed.

If you have a loom with a raising shed, you may want to weave this fabric upside-down as there are so many harnesses to raise. Just tie up the loom the opposite to that given here, lifting only harness 1 on treadle x instead of the seven others.

As mentioned, we ran out of 2 ply tussah silk/viscose after about 10 or 11 yards and finished the fabric with four ends of 1 ply. So there will be a few samples using the four ends of 1 ply as pattern weft.

This elegant upholstery fabric would also look very striking as pillows. The reverse side is also attractive and could be worked into a design as an interesting contrast to the right side.
drafts and designs

a guide for 5 to 12 harness weaves


A COPY OF A WELSH BLANKET PATTERN:
The colors and pattern in this sample are so reminiscent of the Welsh Blankets that are so famous. However, most of the Welsh Blankets are a 16 harness double weave, while our sample this month is a 8 harness weave.

KEY TO COLORS IN THE THREADING DRAFT:
D—Dark Grouse Brown Mohair-Wool
A—Very Light Beige Mohair-Wool
X—Saffron Gold Worsted, Color # 14.
C—Cinnamon Beige Mohair-Wool
O—Just Medium Brown Mohair-Wool

WARP: There are two kinds of thread used in the warp. One is the color # 14, 2/13's worsted in Saffron Gold. And, the other 4 colors are all a yarn which is a combination of 60% mohair, 35% wool, 5% nylon. The colors used in the warp were:
A—Very Light Beige
D—Dark Grouse Brown
C—Cinnamon Beige
O—Just Medium Brown

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WEFT: The same 4 colors of the 60% mohair-wool combination as in the warp are also used in the weft.
And, we used a fine 2/36's worsted in an Light Avocado in the weft also.
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VOLUME 22, Number 8, April, 1978.

REED USED:
A 12 dent reed was used, and we used a
special sleying of the reed. The 4 colors
of the 60% mohair, 35% wool, 5% nylon
blend yarn are all sleyed one end per dent.
The 2/36's worsted in the Light Avocado
are threaded 2 per dent in the 12 dent reed.

TREDDLING SEQUENCE: is a fairly long and
involved one, but here goes the repeat as
we used it.
1. Treadle 1, 2, 3, 4, 5, 6, 1, 6, 5, 4, 3, 2, 1 in
Very Light Beige, Mohair-Wool yarn.
2. Treadle 8, 7 in the Dark Grouse Brown
Mohair-Wool Yarn.
3. Treadle 8, 7, 4, 7, 9, 7, 8, 7, 8, 7 in the
2/36's Light Avocado worsted.
4. Treadle 8, 7, in Very Light Beige.
5. Treadle 1, 2, 3, 4, 5, 6, 1, 6, 5, 4, 3, 2, 1 in
Dark Grouse Brown wool-mohair combo.
6. Treadle 8, 7, in Very Light Beige
7. Treadle 8, 7, 4, 7, 9, 7, 8, 7, 8, 7, 8, 7 in the
2/36's Light Avocado worsted.
8. Treadle 9, 7, in Dark Grouse Brown,
60% Mohair, 33% Wool, 7% Nylon
END OF ONE COMPLETE PATTERN REPEAT. Do
repeat over and over as desired. Please
note that there are 54 shots in one com-
plete pattern repeat.

MORE ABOUT THE THREADS USED:
Our 2/18's worsteds, most of you know,
come in 39 colors, have approximately
5,000 yards per pound, and is $9.60 per
lb.
The yarn which is 60% mohair, 33% wool,
5% Nylon has about 600 to 640 yards per
pound, came to us on about 1 lb. cones,
and is $6.00 per lb. This is a limited
lot thread, and when it is sold out, we
will not be able to repeat it.

ABOUT THE WEAVING:
We used a firm, even, double beat, always
beating with the shed open.

And, the contrast in size in the threads
used is quite great, so when finished, I
felt the fabric should be washed and then
pressed to see if it would lie flat, and
was a fairly good combination. This sample
is washed and pressed, and seems to be very
satisfactory. We washed in the extractor
part of the washing machine, extracted as
much water as possible, and then steam-
pressed the fabric.

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NOTE ABOUT 20 YEARS OF DRAFTS AND DESIGNS:
After we get out to you the next two
issues of Drafts and Designs, we will have
published it for 20 years. With 10 samples
a year, this is 200 samples or projects.
We have been working on this, and putting
each of these projects condensed into a
single page, and then we hope to publish
these 200 projects, as a project book,
with all 200 patterns in one book.

COST OF THIS FABRIC:
We did a 15 yard warp, 40" wide on the
loom, and from this, we received 13 yards
and 2 inches of finished fabric. So, you
see, there is a little more take-up in
such a combination than in a finer thread
warp.

Each complete repeat of the pattern is
44 dents wide, or slightly less than 4",
or actually 3 and 2/3" wide.
We used approximately 3200 yards of the
2/18's worsted in the warp. This is approxi-
mately 2/3's of a pound, at $9.60 per lb.
so the 2/18's cost $6.40. In the warp, we
used 9 1/2 lbs. of the 60% mohair, 35% wool,
5% nylon yarn at $6.00 per lb., or the cost
of this at $6.00 per lb. was $56.00. So,
our total warp cost was $62.40 for 15
yards, or the cost per yard comes to $4.16
per yard.

We can plan on this fabric on the weft
being slightly less, about $4.00 per yard,
so the average cost per yard was about
$8.16 per yard.
BEEHIVE OVENS:
This interesting 8 harness weave is very striking. It almost has the appearance of a double weave, or a fabric with a backing, and it does remind one of a series of bee-hive ovens.

WARP:
Our warp is a 2/12's black worsted.

WEFT:
There are 3 threads of the same size used in the weft, in three different colors. It is a yarn that is 60% mohair, 35% wool, and 5% nylon blended into one yarn. The three colors are called Cinnamon Beige, Dark Grouse Brown, and Just Medium Brown in the blended mohair, wool and nylon yarn.

REED USED:
A 10 dent reed is used, and it is double sleyed, 2 ends per dent, or 20 threads per inch.

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TREADLING SEQUENCE:

There are 13 shots of thread in each pattern repeat. Here is the color and the treadle sequence.

1. Treadle # 1 - Just Medium Brown
2. Treadle # 2 - Cinnamon Beige
3. Treadle # 3 - Just Medium Brown
4. Treadle # 4 - Cinnamon Beige
5. Treadle # 5 - Just Medium Brown
6. Treadle # 6 - Cinnamon Beige
7. Treadle # 7 - Just Medium Brown
8. Treadle # 8 - Cinnamon Beige
9. Treadle # 9 - Just Medium Brown
10. Treadle # 10 - Cinnamon Beige
11. Treadle # 11 - Just Medium Brown
12. Treadle # 12 - Dark Grouse Brown
13. Treadle # 13 - Dark Grouse Brown

END OF ONE COMPLETE PATTERN REPEAT.
Repeat over and over as desired.

MORE ABOUT THE THREADS USED:

Our 2/12's worsted is the high quality yarn which we import from England. It has 3360 yards per pound, is $9.60 per pound, and comes on about 1 lb. cones and sometimes 1/2 lb. cones.

The three threads used in the weft are the blend of 60% mohair, 35% wool, and 5% nylon. It is a 2 ply yarn and, has about 600 to 640 yards per lb., and the price is $6.00 per lb. There are limited amounts of 44 different colors available. The 44th color mentioned beforehand is a Very Light Beige color. This came to us on about 1 lb. cones.

MORE ABOUT THE FABRIC:

We had a 13 yard warp, 40" wide on the loom, and from this, we received 10-1/2 yards of finished fabric. This was quite a bit of take-up in the weft and in the warp. It is because the weft threads are quite a bit heavier than the warp.

We used a 6 thread selvage of a smooth nylon, and threaded these 6 threads on # 9 and # 10 harnesses alternately. We feel that it made it much easier to weave this fabric. A temple was used on this fabric, but it did not draw in very much.

And in the full 10-1/2 yards of finished fabric, there was not one broken warp thread.

COST OF THE FABRIC:

In the warp, it took 3 lbs. 6 oz. of the 2/12's worsted, black, so the total warp cost for 13 yards of 40" wide, was $32.40, so the warp cost per yard was $2.50 per yard.

In the weft, we used 3 lbs. 1 oz. of the Cinnamon Beige, 3 lbs. 2 oz. of the Just Medium Brown, and 1 lb. 4 oz. of the Dark Grouse Brown. This is 7 lbs. 7 oz. of the weft used, or the total weft cost was $41.63. The cost per yard for the weft is $3.25.

WARP COST PER YARD: $2.50 yd.
WEFT COST PER YARD: $3.25 yd.

FABRIC COST PER YARD: $6.75 yd.

STOCK YARN ITEMS AT ROBIN & RUSS STUDIO:

1. 20/2 S.S. cottons in about 90 colors.
2. 10/2 C.P. cottons, in about 45 colors.
3. 16/2 Ramie, on 600 yard tubes of 4 1/2 oz. each.
4. 2/18's worsted, botany quality, in 39 colors.
5. 2/12's worsted, botany quality, in 22 colors.
6. Lopi, heavy, single ply, soft twist wool yarns in 20 plus colors.
7. Brushed wool, approx. 950 yards per lb., in 12 colors of variegated yarn.
8. Carpet warp, size 8/4 in about 20 colors.

These, and many, many other novelties of all kinds of fibers are some of the many yarns that we have in stock.
INDIAN VILLAGE:
This is a most refreshing and fascinating 8 harness weave, so I wanted to show it to you even though I feel it is a somewhat impractical fabric. Very striking is my reaction.

THREADING DRAFT:

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WARP:
Our warp for this sample was 12/2 worsted in black.

WEFT:
Two threads were used in the weft. The heavier thread is a 2 ply berber wool, called Fawn Grey. It is imported from England.
The second thread in the weft is a 12/2 worsted, and the color is Lacquer Red.

REED USED:
A 10 dent reed was used, and it was double sleyed, 2 ends per dent, or 20 threads per inch.
DRAFTS AND DESIGNS:
Published monthly (except July and August),
by Robin & Russ handweavers, 533 N. Adams
St., McMinnville, Oregon 97128.
SUBSCRIPTIONS: $8.00 per yard, and back
issues or single copies are 85¢ each, plus
15¢ postage. Yearly subscriptions start
with the September issue. If you sub-
scribe after September, back issues from
then on will be mailed to you, unless
you specify that you want your subscription
to start with the next September issue.

VOLUME 20, NUMBER 12, JUNE, 1978

TREADLING SEQUENCE:
There are 22 shots in each pattern repeat,
and here is the sequence that we used.
1. Treadle # 1, 12/2 lacquer red
2. Treadle # 2, fawn grey berber wool
3. Treadle # 3, 12/2 lacquer red
4. Treadle # 4, fawn grey berber wool
5. Treadle # 5, 12/2 lacquer red
6. Treadle # 6, fawn grey berber wool
7. Treadle # 7, 12/2 lacquer red
8. Treadle # 8, fawn grey berber wool
9. Treadle # 9, 12/2 lacquer red
10. Treadle # 10, fawn grey berber wool
11. Treadle # 10, 12/2 lacquer red
12. Treadle # 1, fawn grey berber wool
13. Treadle # 2, 12/2 lacquer red
14. Treadle # 3, fawn grey berber wool
15. Treadle # 4, 12/2 lacquer red
16. Treadle # 5, fawn grey berber wool
17. Treadle # 6, 12/2 lacquer red
18. Treadle # 7, fawn grey berber wool
19. Treadle # 3, 12/2 lacquer red
20. Treadle # 9, fawn grey berber wool
21. Treadle # 10, 12/2 lacquer red
22. Treadle # 10, fawn grey berber wool

End of one complete pattern repeat. Do
repeat over and over as desired.

SOURCE OF IDEA FOR THIS SAMPLE.
A group of weavers have a cross country
weaver's study group, and they send an exhibit
from one member to the other. I was fortunate
in seeing something in it that inspired us to
experiment, and this is the result of our
experimenting.

MORE ABOUT THE THREADS USED, AND COST OF
THE THREADS USED.
Most of you are familiar with our 12/2
worsted spun for us and dyed for us in
England. We have 22 colors in this size,
and have some more right now, stuck in
customs, waiting for papers from England.
It has been there for 2 months, because
the papers the company sent, were lost
in the mail. It is $9.60 per lb.
The 2 ply berber wool is also an import
from England. It has about 400 to 450
yards per lb., comes on about 1 lb. cone
and $5.60 per lb. Write for samples
if you are interested in the other colors.

USES FOR THIS FABRIC:
This is a problem. And this is why I
said the fabric was a little impractical.
And yet, it is so unusual a pattern and
has a depth or dimension, that we went
ahead and did it. The main use, would
be for a decorative fabric, such as trim
on valences or drapes, or for pattern
purposes. It could be used on lampshades,
to cover baskets, used in pillows, and
other related uses. Perhaps you can make
a suggestion to us for other uses for this
beautiful pattern. It could be done in a
multitude of colors.

It is impossible to tie-down the red
worsted float threads, and this is why
I feel it is sort of impractical.

COST OF THE FABRIC:
We had a 13 yard warp, 40" wide on the
loom. It took 3 lbs. 7 oz. of 2/12's at
$9.60 per lb. for the warp. Thus, our
total warp cost was $33.00, or the cost
per yard was $2.54 per yard.

In the weft, we used 1 lb. and 7 oz.
of 2/12's worsted, Lacquer Red. This
cost comes to $13.90. And in 10 yards
and 21" of finished fabric, we used 8 lbs.
and 11 oz. of the berber wool. This
costs $48.65. So, the total weft cost
for 10 yards and 21" of finished fabric
comes to $62.45, or the cost per yard
for weft is $5.90 per yard.

WARP COST PER YARD--------- $ 2.54
WEFT COST PER YARD--------- 5.90
fabric cost per yard--------- $ 8.44

MORE ABOUT THIS FABRIC:
Surprise, surprise, but this was a
very easy fabric to weave. We used a
light, even, double beat. We had
almost no problems with broken threads,
having only one broken thread in the
10 plus yards of fabric.

We did use a temple on this all wool
fabric, and put on a 6 thread selvage of
5/2 cotton on harnesses 9 and 10, and
used this to fasten the stretcher in and
keep it out to full width. It did not come
in hardly at all, and perhaps we
should have gotten along without it, but
we did use it for the whole piece.