RIBS AND SHADOWS
This is an interesting 8 harness shadow weave, that makes an excellent material for women's coats, etc.

WARP.
Two wool tweeds, made of New Zealand wool in a 1-1/4 run size, with 2,000 yards per lb. were used in the warp.
X -- light grey blue wool tweed
0 -- medium blue wool tweed

WEFT
There are four different threads used in the weft. For one of the ribs in this weave, we used a bright kelly green wool tweed with flecks of passionate pink and fushia. For the 2nd rib, we used two colors of the beautiful English rug wool, wound together on one bobbin to make the 2nd rib. The colors are #F 131, bright royal blue, and F126 lilac lavender.

The last thread used in the weft is an Irish Wool Tweed that we are importing from Ireland. It is a sort of Olive wool tweed with flecks of kelly light olive and a yellow green. This is the equivalent of a 1-1/8 run wool tweed as measured here in this country, although it is measured differently in Ireland.

REED USED:
A 9 dent reed was used, and it was double sleyed, 2 ends per dent, or 18 threads per inch.

TIE-UP DRAFT

<table>
<thead>
<tr>
<th>8</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

A B

NOTE: A & B or 5 & 6 are Tabby Treadles
1,2,3,4 are pattern treadles
DRAFTS AND DESIGNS

Published monthly (except July and August) by Robin & Russ Handweavers, 533 N. Adams St., McMinnville, Oregon.

SUBSCRIPTIONS: $5.00 per year. Back issues or single copies, 50¢ each. Yearly subscriptions start with the September issue. If you subscribe 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 II, Number 1 - September, 1968

THREADING DRAFT:

<table>
<thead>
<tr>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>X X X</td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>0 0 0</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>X X X</td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td>0 0 0</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>X X X</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>0 0 0</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>X X X</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>0 0 0</td>
</tr>
</tbody>
</table>

KEY TO THREADS IN THE WARP:

X - 1 3/4 run wool tweed from New Zealand in light grey with flecks of blue and green wool.

O - 1 3/4 run wool tweed in medium blue with flecks of light blue and royal blue wool. This is also made of wool from New Zealand.

TREADLING SEQUENCE:

Treadle #5 - Olive Irish Tweed
Treadle #5 - Olive Irish Tweed
Treadle #6 - Olive Irish Tweed
Treadle #4 - Kelly Green Tweed, 3 ends wound together on one bobbin
Treadle #6 - Olive Irish Tweed
Treadle #5 - Olive Irish Tweed
Treadle #6 - Olive Irish Tweed
Treadle #2 - 2 colors of English Rug wool, #131 and 126 wound together on one bobbin to act as one thread.

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

MORE ABOUT THIS FABRIC:

This fabric was quite a challenge and the rewards were very pleasing when it was finished. First of all, we have about 100 lbs. of the medium blue tweed, and it had not sold well for about a year. As a result, I was determined to weave a fabric using this medium blue wool tweed, to show what could be done with it, and here are the results in this sample. So, I mixed it with the light grey-blue wool tweed, as alternate threads in the warp, decided to try a shadow weave, and then began experimenting after we had the loom set up a full 42" wide. We had a 9 yard warp on the loom, and I must admit that we used about a yard of it just making samples before we finally found a treadling sequence that we liked and a combination of colors that we liked. My first thought was to try and make a diamond in the shadow weave, but it turned out to be so indistinct, that I finally settled on the rib weave, we have here. We had a 42" wide warp, 9 yards long, and we used one yard for experimenting. This left 8 yards of warp, and from this we were able to weave 6-2/3 yards of fabric as per our sample. Then we washed it in lake-warm water, extracted the water, and dried it in the automatic drier, and then steam pressed it, and it seems to be a very pleasing fabric.

COST OF THREADS USED:
1. The two tweed threads in the warp and the kelly green in the weft are $3.20 per lb.
2. The beautiful English 2 ply rug yarn is $4.80 per lb. - comes in 3/4 oz. skeins.
3. The Irish Olive Green Tweed is $4.80 per lb. on about 1 lb. cones.

COST OF THE FABRIC:

In 9 yards of 42" wide warp, it took 1-3/4 lbs. of each of the two warp threads. Thus the total warp cost was $11.20 or the cost of the warp per yard was $1.25.

In the weft, we used 12 oz. of the Kelly Green tweed tripled, 1 lb. 5 oz. of the Irish Tweed, and 8 oz. each of the #131 and #126 English Rug yarns. Thus the total weft cost came to $13.50 for 6-2/3 yards of fabric or $2.03 per yard of weft.

WARP COST PER YARD.............$1.25
WEFT COST PER YARD............2.03
TOTAL FABRIC COST PER YARD......$3.28
LIME-LIGHT:
A beautiful fabric made of fine sewing thread for possible use in our modern mode of dress.

WARP:
The warp is the thread, Fine-Weave, in a size 50/3 cotton in two different colors.

X - Temple Gold, 50/3 Cotton
0 - Chartreuse, 50/3 Cotton

WEFT:
The weft threads are the same two colors Chartreuse and Temple Gold in the 50/3 sewing thread, as are used in the Warp.

REED USED:
A 12 dent reed was used, and it was sleyed 1/4 ends per dent, or 4/8 threads per inch.

THREADING DRAFT:

```
8 0 0 0 0 0
7 0 0 0 0 0
6 0 0 0 0 0
5 0 0 0 0 0
4 x x x x x
3 x x x x x
2 x x x x x
1 x x x x x
```
COST OF THE FABRIC:

In a 9 yard warp, 40" wide, it took just a little less than 3 tubes of the 50/3 cotton for warp. Thus the warp cost we will say is the full cost of the 3 tubes of 50/3 or $6.90 for 9 yards or 77¢ per yard.

In the weft, there was about 8 yards of the finished fabric, and it seems to figure out to the same amount used in the weft as in the warp, except for the loom waste, so the weft cost was $6.50 for 8 yards or 81¢ per yard.

WARP COST PER YARD - 40" $ .77
WEFT COST PER YARD ............. .81
FABRIC COST PER YARD .......... $1.58

MORE ABOUT THE FABRIC:

We are indebted to Mrs. Geraldine Wood, of Tulsa, Oklahoma for sharing with us how beautiful this fine weave thread is when woven into some interesting novelty weaves. At the Midwest conference in Tulsa this past summer, she showed all of us (by giving us swatches) how beautiful this fine-weave works up.

I talked to her, and got her to agree to weave one sample for our drafts and designs publication, and this is the one that she so kindly did for us. This is the chance to say a thousand thanks to Mrs. Wood for her idea, help, interest and weaving.

She told us that this pattern is one of the patterns that appeared in a folio from the Shuttle Craft Guild entitled Ten Textiles from Far and Wide. This one she told us was a weave from India. I think it is scrumptious and hope that you enjoy it also.

The colors in this fine weave thread are both unusual and beautiful, and we must tell you that this is a 50/3 sewing thread that this sample is made of. You should try it some time, and see how nice it does work out. I have an 8 harness bronson flower pattern that would be just beautiful in this fine-weave cotton.

One thing that I must mention is the treadling sequence. I am very much used to reading a threading draft from right to left, but for some reason, I always read the tie-up draft from right to left. If I had reversed the numbering of the treadles and had them 8, 7, 6, 5, 4, 3, 21 from left to right, the treadling then would sound much easier to follow. The treadling would then be 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26.
CREAMY GOLD
This is a most interesting upholstery fabric which is woven on a straight 8 harness twill.

THREADING DRAFT

<table>
<thead>
<tr>
<th>8</th>
<th>X</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>6</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>5</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>4</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>3</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>2</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>1</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

WARP:
The warp is a 20/2 mercerized and gassed 20/2 Egyptian cotton in a color called Old Gold.

WEFT:
In the weft we have 3 colors of the RYAGARN, imported English Rug Wool, and we also used as a tabby thread, a 20/2 Mercerized and Gassed Egyptian cotton in a color called Princeton Orange.
The 3 colors of the rug wool used are as follows:

A - color #100, Cream  
B - color #108, Corn Yellow  
C - color #102, Film Gray

REED USED:
A 15 dent reed was used, and it was double sleyed, 2 ends per dent, or 30 threads per inch.
TREADING SEQUENCE

I will give the treading in the easier way of telling it here. There are 2½ pattern shots using the Rya yarn for weft, and there are 1½ tabby shots in each complete repeat. The treading sequence is to treadle 1 to 8, three complete times, alternating the Cream, Corn Yellow and Film Grey. Then, in between each row of these 3 colors, you have 2 tabby shots, the A & B tabbies alternately, between each row of wool yarn.

In other words, you treadle 1 in cream wool, two tabby; treadle 2 in Corn Yellow wool, two tabby; treadle 3 in Film Gray wool, two tabby; treadle 4 in Cream wool, 2 tabby; 5 in Corn Yellow wool, 2 tabby, etc., until you have treadled 1 to 8 three times with the wool threads.

MORE ABOUT THE FABRIC

In this fabric, you want to use a firm, even, double beat. Beat, change to the next shed, and beat again before you throw the shuttle. I feel it is important to use this firm, even, double beat.

This fabric was designed as upholstery material, but we were intrigued when one of our customers purchased the same yarns to use in a coat material for herself.

So, while I do think it is primarily an upholstery material, you can see that different individuals look at a fabric and find different uses for it than was anticipated.

This month, we tried to give you a sort of backed material for an upholstery fabric, and so if you will turn this fabric over, you will see that the back has an entirely different appearance than does the front.

This fabric is easy to weave, but you shouldn't talk to anyone when doing it. Because of the fact that there are two tabby shots after each pattern thread, and three different colors in the pattern threads, one complete pattern repeat is fairly long. When you start with all ½ shuttles on the right side, you will find when you have finished one complete pattern repeat, that all ½ shuttles are on the right side again. This is one way to help keep track of where you are.

Another is to keep track of each group of 8 pattern threads as you finish them.

COST OF THE THREADS USED:

The warp threads are 20/2 Egyptian cotton, as are the tabby threads. These come on 1/2 lb. tubes, and it is $5.50 per lb. or $2.75 per 1/2 lb. tube.

The English rug wool used for the pattern shots is $4.50 per lb., and comes in skeins of about 3½ oz. each. It has about 550 yards per lb. This, we purchase in Kilogram packages, as it is made for use primarily in Scandinavia. There are supposed to be 2.2 lbs. per kilogram, and we find it comes to about 2 lbs. and 2 oz. per 10 skeins of yarn.

COST OF THE FABRIC:

We had a 9½ yard warp, ¼" wide, and set at 30 threads per inch. It took 1 lb. 15 oz. of thread for the warp, or the total warp cost was $10.65. Thus, the cost per yard was $1.12 for the ¼" wide warp.

In the weft, we used 12½ oz. of the Princeton Orange 20/2 Egyptian Cotton. We also used 1 lb. 8 oz. of each of the 3 colors of the Rya yarn, rug yarn in Cream, Corn Yellow and Film Gray. We had 7-2/3 yards of finished fabric when through from the 9½ yard warp. Thus, the weft cost was $25.73 or the cost per yard was $3.36.

WARP COST PER YARD..............$ 1.12
WEFT COST PER YARD............ 3.36
FABRIC COST PER YARD...........$ 4.48
FALL FOLIAGE COLORS, GREEN & GOLD
While our double weave sample is not shaped like leaves, we have tried to show in this sample, some of the colors of the fall foliage in Oregon this year.

KEY TO THREADS IN THE WARP
X - Old Gold, 20/2 Egyptian Cotton
O - Princeton Orange, 20/2 Egy. Cotton

WARP
Two colors of Egyptian Cotton, size 20/2 were used in the warp. This cotton has 8400 yards per lb., and comes on 1/2 lb. tubes. Colors in warp were:
O - Princeton Orange Cotton
X - Old Gold Cotton

WEFT
There were two colors of the Egyptian Cotton used in the weft. One of these was the 20/2 Old Gold Color, and the other was a 20/2 Parakeet Green color.

REED USED
In our sample, a 16 dent reed was used, and it was triple sleyed 3 ends per dent, or 48 threads per inch. However, it would work just as well if you used a 12 dent reed and had 4 ends per dent for 48 threads per inch.

IDEA FOR THIS SAMPLE
The idea for this sample is from "FABRICS AROUND THE WORLD."

COST OF THE FABRIC
Our warp was 40" wide, and set at 48 per inch, or we had 1920 warp ends. We had an 8 yard warp and it took 15 oz. of each of the Princeton Orange and the Old Gold Egyptian Cotton. Thus the total warp cost was $10.32, or the cost per yard was $1.29.

We had 7 yards of finished fabric from our 8 yards of warp. It took 13 1/2 oz. of the Old Gold Egyptian Cotton and it took 11 oz. of the Parakeet Green Egyptian Cotton. Thus the total weft cost for 7 yards was $9.45 or the cost per yard was $1.35 per yard.

WARP COST PER YARD ............... $ 1.29
WEFT COST PER YARD .............. 1.35
FABRIC COST PER YARD ............ $ 2.64
MORE ABOUT THIS FABRIC:

You will find this month's sample surprisingly easy to weave, and with no major problems. However, you do want to use a firm, even double beat with the weft threads, so that it will pack in tightly enough to be a usable fabric.

Our sample this month was washed and pressed. We washed it in lukewarm water in the shortest cycle of our automatic washer. Then we used an extractor to remove most of the water. Then it was steam pressed.

After it was washed and pressed, we measured it again and found that it had shrunk 6" in length, and the squares are not quite square. This depends upon the individual beat, and you might have to have 4 more threads in the large block, or four less threads, according to the beat and strength of the weaver. I would not change the small block at all, but just the large block to fit so that it is square. From the 7 yards of fabric, we found that it shrunk to 6 yards, 30 inches.

There are all kinds of possibilities with this weave. You could make baby blankets, dress yardage, suit material, skirt material. You could use it for a decorative purpose, such as covering a lamp shade or a waste-basket, and the best thing of all, is that you are not limited to two smooth threads as we used, but all kinds of textures and color combinations could be used.

MERRY CHRISTMAS TO ALL, AND THE BEST CHRISTMAS HOLIDAY SEASON EVER. These are the wishes to you from Janice, Debbie, Susan, Robin and Russ.
NATURAL AND NATURAL GRAY:
A 7 harness linen weave in a Summer and Winter pattern for use in upholstery, table linens, mats and related uses.

WARP:
The warp used is a 50/3 bleached Irish Linen, which has 5,000 yards per lb.

WEFT:
Two imported Danish Linens were used in the weft. One was a 25/1 bleached linen which was used as the tabby thread.

For a pattern thread, we used a 25/1 Danish linen in Natural Grey. We doubled this on the bobbin, so it would almost be the same as a 25/2 linen as the pattern thread.

REED USED:
A 10 dent reed was used and it was sleyed 4 ends per dent, or 40 threads per inch.

COST OF THREADS USED:
We are fortunate to have on hand a quantity of all the threads used in the warp and weft, which is selling for about 1/2 price of what it usually does. The 50/3 linen comes on 1 lb. tubes and is made of Irish linen from Barbour Linen Company. The 25/1 linen in bleached also comes on 1/2 lb. tubes and it is $1.60 per tube, or $3.20 per lb. The 25/1 in the natural grey also comes on 1 1/2 lb. tubes and it is $3.20 per lb. We will wind it off for you onto 1/2 lb. tubes at $1.60 per 8 oz. tube.

COST OF THE FABRIC:
We had an 8 yard warp, 42" wide, and set at 40 per inch. It took 2 and 3/4 lbs. of the 50/3 linen for warp. The total warp cost was $8.80 for the 8 yards or $1.10 per yard.
Published monthly (except July and August) by Robin & Russ Handweavers, 533 N. Adams St., McMinnville, Oregon.

SUBSCRIPTIONS: $5.00 per year. Back issues or single copies, 50¢ each. Yearly subscriptions start with the September issue. If you subscribe 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 11, Number 5 - January, 1969

THREADING DRAFT:

In the weft, we used 1 lb. 8 oz. of the 25/1 natural grey, doubled on the bobbin as the pattern thread. As the tabby thread, it took just 4 2/3 oz. of the 25/1 bleached linen. This is $3.20 per lb. for both threads, so the total weft cost was $5.70 for seven yards of finished fabric from the 8 yard warp. Thus the cost per yard for the weft was $2 9/10 per yard.

WARP COST PER YARD, 42" WIDE....$ 1.10
WEFT COST PER YARD................... .82
FABRIC COST PER YARD...............$ 1.92

TREADLING SEQUENCE:
Treadle B...one time
X...one time
A...one time
Y...one time

These 4 treads are the border treadling, so treadle over and over as desired. Then proceed as follows:
1. Treadle B...1 time 16. Treadle 6...1 time
2. Treadle 1...1 time 17. Treadle B...1 time
3. Treadle A...1 time 18. Treadle 7...1 time
4. Treadle 2...1 time 19. Treadle A...1 time
5. Treadle B...1 time 20. Treadle 8...1 time
6. Treadle 1...1 time 21. Treadle B...1 time
7. Treadle A...1 time 22. Treadle 5...1 time
8. Treadle 2...1 time 23. Treadle A...1 time
9. Treadle B...1 time 24. Treadle A...1 time
10. Treadle 3...1 time 25. Treadle 6...1 time
11. Treadle A...1 time 26. Treadle 3...1 time
12. Treadle 4...1 time 27. Treadle A...1 time
13. Treadle B...1 time 28. Treadle 4...1 time
14. Treadle 5...1 time End of one complete
15. Treadle A...1 time pattern.

MORE ABOUT THIS FABRIC:

One problem in the weaving of this is that the 25/1 linen in the bleached white, and in the natural gray color, are fairly stiff and wiry threads, and as a result, are a little hard to use in a shuttle without blacklash problems. In order to eliminate this, here is how it was handled.

We had a saucer which was half full of water. In this, we had 2 soaked sponges. We ran the linen 25/1 in natural gray and white through the sponges and then onto the bobbin. This gave more elasticity to the thread, made it much easier to handle, and as a result, we had many less problems than anticipated in the weaving of this sample.

This dampered the linen thread when we were ready to use it, and also, we found that this linen thread dried very quickly, and it was dry before it could come up over the breast beam or front beam. Still another is that we have listed the border separately on the threading draft. This is actually a 6 harness pattern, but if you want a plain weave border all around the outside, then it is a 7 harness pattern.
drafts and designs
a guide for 5 to 12 harness weaves

Volume II, Number 6, February, 1969

TUFTED TUSSAH

An interesting textured fabric for dress material is this 8 harness extended twill sample. It should also work well in upholstery, in drapery and other materials, with the proper threads.

WARP
Our warp thread is a 20/2 mercerized, bleached white cotton.

WEFT
Our weft thread is a combination of Tussah Silk and Viscose Rayon, both spun together in one thread.

TREADLING SEQUENCE
1. Treadle #1 -- 1 time
2. Treadle #2 -- 1 time
3. Treadle #3 -- 1 time
4. Treadle #4 -- 1 time
5. Treadle #3 -- 1 time
6. Treadle #2 -- 1 time

End of one pattern repeat. Repeat over and over as desired.

THREADING DRAFT

<table>
<thead>
<tr>
<th>8</th>
<th></th>
<th>X</th>
<th></th>
<th>X</th>
<th></th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>4</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>3</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
DRAFTS AND DESIGNS
Published monthly (except July and August)
by Robin & Russ Handweavers, 533 N. Adams
St., McMinnville, Oregon.
SUBSCRIPTIONS: $5.00 per year. Back issues
or single copies, 50¢ each. Yearly subscrip-
tions start with the September issue. If
you subscribe 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 11, Number 6 - February, 1969

REED USED:
A 12 dent reed was used, and it was
sleyed 3 ends per dent, or 36 threads per
inch.

MORE ABOUT THIS SAMPLE:
I've been greatly intrigued with the
thread that was used in the weft in this
fabric. It is a viscose rayon in a glossy
white, spun with a natural colored Tussah
Silk, and the two make a nice mixture.
The thing about this thread is that I felt
it was quite appealing, but it sat in the
shop for such a long time, without any
being sold. So, after selling this yarn
to one customer, Mrs. Esther Te Selle, of
Stockton, California, I was inspired by
her use of the thread, and this is the
result.

I might mention that this fabric was
washed in luke-warm water, dried in an
automatic dryer in the shortest cycle, and
then steam pressed by Robin. It has a
beautiful hand or feel when it has been
processed this way, and it is one fabric
that I hate to cut up. It would make a
beautiful tailored dress, and would make
beautiful drapes, and have many other uses.

We have this same type of combination
thread in one about twice as heavy as this
Tussah and Viscose combination, and I think
it would work beautifully in coat material,
and other such fabrics.

This pattern is an interesting one that
we used once before in a Drafts & Designs
sample, and I would like to try it one
more time in a very fine cotton, say like
the 50/3 fine weave, or a h0/2 mercerized
cotton, and have both of these used in the
warp and weft. Should make beautiful light
weight dress material.

COST OF THE THREAD USED:
The 20/2 mercerized white cotton used for
warp has 8400 yards per lb. It comes on 1
lb. cones, and is $3.35 per lb.

The fine Tussah Silk club with spun
viscose has 2800 yards per lb., comes on
about 2 to 3 lb. cones. We will wind off
1/2 lb. tubes for anyone interested. It
is $4.80 per lb., and thus the 1/2 lb
tubes of 1100 yards would be $2.40 each.

COST OF THE FABRIC:
We had an 8-1/4 yard warp, 40" wide,
and it took 1 pound and 10 ounces of the
20/2 mercerized cotton for warp. Thus the
total warp cost was $5.45, and the cost
per yard was 67¢ per yard for a 40" wide
warp at 36 per inch.

In the weft, we had 6 yards and 30
inches of finished fabric from our 8-1/4
yard warp. This took 2 lbs. and 15 ounces
of the silk and viscose combination thread.
Thus the total weft cost is $14.10 and
the cost per yard for the weft is $2.07
per yard.

WARP COST PER YARD........ $ .67
WEFT COST PER YARD...... 2.07
FABRIC COST PER YARD..... $2.74

SOME NEW INTERESTING BOOKS AVAILABLE
One of the exciting books just avail-
able is Peter Collingwood's "Techniques
of Rug Weaving." Of course the price is
a fancy one too, but the book is jammed
full of ideas for rugs. Price $17.50
plus 30¢ postage.

SPIN YOUR OWN WOOL AND DYE AND WEAVE IT
This is another excellent book for
the handspinner, and it has just come
in from New Zealand. Have an idea for
an attachment to put on your sewing
machine to do spinning. Price is rea-
sonable at $2.95 plus 18¢ postage for
this hard-bound book.

Another unusual weaving technique is
taught in the book from New Zealand, which
is entitled "THE ART OF TAANIKO WEAVING".
It tells of the weaving of the Maori's,
a native tribe of New Zealand, and is
very, very interesting reading. Price
is reasonable at $3.95 plus 18¢ postage.

TAPESTRIES FROM EGYPT, Woven by the
Children of Harranía, is once again in
print with the beautiful color photogra-
phs of the children's weaving. Price is $5.95
plus 18¢ postage for these new book ar-
rivals.
SHADES OF PUMPKINS

This upholstery fabric was designed with the shades of different pumpkins and squash in mind. It is another 8 harness twill variation which would be very, very durable for upholstery.

THREADING DRAFT

| 8 | X | X |
| 7 | X | X |
| 6 | X | X |
| 5 | X | X |
| 4 | X | X |
| 3 | X | X |
| 2 | X | X |
| 1 | X | X |

WARP: The warp is a 20/2 mercerized and gassed 20/2 Egyptian cotton in a color called Old Gold.

WEFT: In the weft we have 3 colors of the RYAGARN, imported English Rug Wool, and we also used as a tabby thread, a 20/2 Mercerized and Gassed Egyptian cotton in a color called Princeton Orange. The 3 colors of the rug wool used are as follows:

A - color #110, Bright Orange
B - color #172, Yellow Gold
C - color #174, Burnt Orange

REED USED: A 15 dent reed was used, and it was double sleyed, 2 ends per dent, or 30 threads per inch.
This month, we tried to give you a sort of backed material for an upholstery fabric and so if you will turn this fabric over, you will see that the back has an entirely different appearance than does the front.

This fabric is easy to weave, but you shouldn't talk to anyone when doing it. Because of the fact that there are two tabby shots after each pattern thread, and three different colors in the pattern threads, one complete pattern repeat is fairly long. When you start with all \( \frac{1}{4} \) shuttles on the right side, you will find when you have finished one complete pattern repeat, that all \( \frac{1}{4} \) shuttles are on the right side again. This is one way to help keep track of where you are. Another is to keep track of each group of 8 pattern threads as you finish them.

**COST OF THE THREADS USED:**

The warp threads are 20/2 Egyptian cotton, as are the tabby threads. These come on 1/2 lb. tubes, and it is $5.50 per lb. or $2.75 per 1/2 lb. tube.

The English rug wool used for the pattern shots is $4.80 per lb., and comes in skeins of about 3\( \frac{1}{2} \) oz. each. It has about 550 yards per lb. This, we purchase in Kilogram packages, as it is made for use primarily in Scandinavia. There are supposed to be 2.2 lbs. per kilogram, and we find it comes to about 2 lbs. and 2 oz. per 10 skeins of yarn.

**COST OF THE FABRIC:**

We had a 9\( \frac{1}{2} \) yard warp, \( \frac{1}{2} \) wide, and set at 30 threads per inch. It took 1 lb. 15 oz. of thread for the warp, or the total warp cost was $10.65. Thus, the cost per yard was $1.12 for the \( \frac{1}{4} \) wide warp.

In the weft, we used 12\( \frac{1}{2} \) oz. of the Princeton Orange 20/2 Egyptian Cotton. We also used 1 lb. 8 oz. of each of the 3 colors of the Ryagarn, rug yarn in Bright Orange, Burnt Orange and Yellow Gold.

We had 7-2/3 yards of finished fabric when through from the 9\( \frac{1}{2} \) yard warp. Thus, the weft cost was $25.73 or the cost per yard was $3.36.

WARP COST PER YARD.......... $1.12
WEFT COST PER YARD.......... 3.36
FABRIC COST PER YARD........ $4.48

* * * * * * *
BEIGE, BROWN AND BANANA
An interesting 8 harness lace variation done in a huck weave, which would be excellent for table linens and for drapery.

WARP:
We used two mercerized ramie threads in the warp in size 20/2.
X - 20/2 Golden Brown Mercerized Ramie
O - 20/2 Honey Dew Maize Merc. Ramie

WEFT:
In the weft, we used the same two threads as were used in the warp.

REED USED:
An 8 dent reed was used and it was sleyed 3 ends per dent, or 24 threads per inch.
If you do not have an 8 dent, you can use a 12 dent, 2 ends per dent.

TREADLING SEQUENCE:
1. Treadle #1 - 20/2 Golden Brown
2. Treadle #2 - 20/2 Golden Brown
3. Treadle #1 - 20/2 Golden Brown
4. Treadle #3 - 20/2 Golden Brown
5. Treadle #4 - 20/2 Golden Brown
6. Treadle #3 - 20/2 Golden Brown
7. Treadle #1 - 20/2 Golden Brown
8. Treadle #2 - 20/2 Golden Brown
9. Treadle #1 - 20/2 Golden Brown
10. Treadle #5 - 20/2 Honey Dew Maize
11. Treadle #6 - 20/2 Honey Dew Maize
12. Treadle #5 - 20/2 Honey Dew Maize

13. Treadle #7 - 20/2 Honey Dew Maize
14. Treadle #8 - 20/2 Honey Dew Maize
15. Treadle #7 - 20/2 Honey Dew Maize
16. Treadle #5 - 20/2 Honey Dew Maize
17. Treadle #6 - 20/2 Honey Dew Maize
18. Treadle #5 - 20/2 Honey Dew Maize

END OF COMPLETE PATTERN REPEAT.
Repeat over and over as desired. To balance a place-mat or table cloth so it is the same at both ends, you would repeat the 1st 9 threads at the end so it would be exactly the same as when you began.
DRAFTS AND DESIGNS
Published monthly (except July and August) by Robin & Russ Handweavers, 533 N. Adams St., McMinnville, Oregon.
SUBSCRIPTIONS: $5.00 per year. Back issues or single copies, 50¢ each. Yearly subscriptions start with the September issue. If you subscribe 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 11, NUMBER 8, APRIL, 1969

COST OF THE FABRIC
We had an 8 yard warp, 42" wide on the loom, and it took 1 lb. 6 oz. of both of the colors for the warp. At $5.40 per pound, we used 2 lbs. 12 oz. of thread in the warp. Thus the total warp cost was $9.59 and the cost per yard was $1.38 per yard.

In the weft, we used 1 lb. 1 oz. of each of the 2 colors, 2 lbs. and 2 oz. at $5.40 per lb. This was enough to weave 6 yards and 32" of weft. Thus, the total weft cost was $11.48 or the cost per yard was $1.70.

WARP COST PER YARD, 42" wide.........$ 1.38
WEFT COST PER YARD.................... 1.70
FABRIC COST PER YARD....................$ 3.08

FORGOTTEN TIE-UP FOR FEBRUARY, 1969
Please excuse our error in not giving the tie-up for the February sample. I do not know how or why I forgot it, but I did. Here it is.

6 NEW COLORS IN FINE LOOP MOHAIR
This mohair has 2,250 yards per lb., and comes on 1 lb. cones. The colors are Bright Fuchsia, Blue Turquoise, Flame Orange, Golden Tan, Aqua Green and Light Avocado. Price is $4.00 per lb.
Robin & Russ Handweavers, 533 North Adams St., McMinnville, Oregon 97128
8 COLORS IN 50% SILK 50% LINEN
Just dyed to order for us, this thread has about 5,000 yards per lb. The colors are Spring Green, Orange Gray, Creamy Tan, Lake Blue, Lichen Yellow, Foam Green, Happy Blue and Heather Green. Price is $3.20 per lb. Excellent for weft in dress yardage, blouse material, etc.
Robin & Russ Handweavers, 533 North Adams St., McMinnville, Oregon 97128

* * * * * *

THREADING DRAFT:

<table>
<thead>
<tr>
<th>8</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>O O</td>
</tr>
<tr>
<td>6</td>
<td>0 0 0</td>
</tr>
<tr>
<td>5</td>
<td>0 0 X</td>
</tr>
<tr>
<td>4</td>
<td>X X</td>
</tr>
<tr>
<td>3</td>
<td>X X</td>
</tr>
<tr>
<td>2</td>
<td>XX</td>
</tr>
</tbody>
</table>
| 1 | X X X X

TIE-UP DRAFT:

<table>
<thead>
<tr>
<th>8</th>
<th>0 0 0 0 0</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>0 0 0 0 0</td>
</tr>
<tr>
<td>6</td>
<td>0 0 0 0 0</td>
</tr>
<tr>
<td>5</td>
<td>0 0 0 0 0</td>
</tr>
<tr>
<td>4</td>
<td>0 0 X 0 0 0</td>
</tr>
<tr>
<td>3</td>
<td>0 0 0 0 0</td>
</tr>
<tr>
<td>2</td>
<td>0 0 0 0 0</td>
</tr>
<tr>
<td>1</td>
<td>0 0 0 0 0</td>
</tr>
</tbody>
</table>

COST OF THE THREADS USED:
The 20/2, mercerized ramie in the two colors used comes on 1 lb. cones with 3,000 yards per lb. It is $5.40 per lb., and will probably go up to $5.60 per lb. in 2 months as we have a new shipment enroute to us. This same thread was used for both warp and weft.

MORE ABOUT THIS FABRIC:
This is an easy pattern to weave, and makes a good, firm, durable material.

You want to use a firm, even, double beat; beating with the shed open, and then changing to the next shed and then beating again.

Also, I feel that if you can weave with a not too tight a tension, that your weft threads will pack in better than if you use an extremely tight tension.

In this warp, I don't think that there was even one broken thread, so that is one of the reasons why it was fairly easy to weave.
dRAFTs and designs

a guide for 5 to 12 harness weaves

Volume 11, Number 9, May, 1969

GREENSLEEVES
An interesting 8 harness twill variation made for use in skirts, dresses and tailored suits.

WARP:
The warp thread is our new 2/18's Fabri-type worsted yarn, imported from England, in two colors.
X - 2/18's worsted, Dark Avocado
0 - 2/18's worsted, Light Avocado

THREADING DRAFT:

<table>
<thead>
<tr>
<th>8</th>
<th>0</th>
<th>0</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>0</td>
<td>0</td>
<td>X</td>
</tr>
<tr>
<td>6</td>
<td>0</td>
<td>0</td>
<td>X</td>
</tr>
<tr>
<td>5</td>
<td>X</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>X</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>X</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>X</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>X</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

TIE-UP DRAFT:

<table>
<thead>
<tr>
<th>8</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>12345678910</td>
<td>A</td>
<td>B</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WEFT:
The weft thread is the 2/18's Fabri-type worsted yarn in a light turquoise color.

REED USED:
A 12 dent reed was used, and it was double sleyed, 2 ends per dent, or 24 threads per inch.
TREADLING SEQUENCE:

Treadle #5, Light Turquoise 2/18's
Treadle #6, Light Turquoise 2/18's
Treadle #7, Light Turquoise 2/18's
Treadle #8, Light Turquoise 2/18's
Treadle #9, Light Turquoise 2/18's
Treadle #1, Light Turquoise 2/18's
Treadle #2, Light Turquoise 2/18's
Treadle #3, Light Turquoise 2/18's
Treadle #4, Light Turquoise 2/18's
Treadle #1, Light Turquoise 2/18's
Treadle #2, Light Turquoise 2/18's
Treadle #3, Light Turquoise 2/18's
Treadle #4, Light Turquoise 2/18's
Treadle #5, Light Turquoise 2/18's
Treadle #6, Light Turquoise 2/18's
Treadle #7, Light Turquoise 2/18's
Treadle #8, Light Turquoise 2/18's
Treadle #9, Light Turquoise 2/18's

END OF ONE COMPLETE PATTERN REPEAT.
There are 16 shots in each complete pattern repeat. Repeat over and over as desired.

COST OF THE THREADS USED:
The fabric-type yarn 2/18's worsted, comes on 1/2 lb. cones (actually, they vary from 7 to 9 ounces), and so we weigh each cone and check it before shipping. It has about 4,050 to 4,900 yards per pound, and is priced at $6.80 per lb. If we find a 1/2 lb. cone, it is $3.40. This is the same price as the fabric used to be before its last price increase. Believe it went up to $7.60 if I remember correctly.

COST OF THE FABRIC:

In the warp for 11 yards, 40" wide, it took 1 pound and 1/2 oz. of both the light dark avocado. Thus, the warp cost was $14.03 for the 11 yards, or the cost per yard is $1.28 per yard.

In the weft, we used 1 lb. 13 oz. of the Light Turquoise fabric-type worsted, and this cost was $1.28 per yard for the 9-2/3rds yards of finished fabric.

WARP COST PER YARD........ $ 1.28
WEBT COST PER YARD......... 1.28
FABRIC COST PER YARD....... $ 2.56

* * * * * * * * * * * * * * *
BOISTEROUS OLIVES AND BROWN
This interesting 8 harness fabric was designed for sport coats, for tailored skirts and suits, etc.

WARP:
The warp thread is our new 2/18's Fabri-type worsted yarn, which we are having spun to order, dyed, and importing from England. Two colors were used in the warp.
- X - 2/18's, Light Avocado
- 0 - 2/18's, Dark Avocado

THREADING DRAFT:

| 8 | 0 | X |
| 7 | 0 | X |
| 6 | 0 | X |
| 5 | 0 | X |
| 4 | 0 | X |
| 3 | 0 | X |
| 2 | 0 | X |
| 1 | 0 | X |

TIE-UP DRAFT:

| 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 |

WEFT:
Two colors of the new 2/18's worsted were used in the weft. One of these is the Cocoa Brown, and the other is the dark avocado.

REED USED:
A 15 dent reed was used on this project and it was double sleyed, 2 ends per dent or 30 threads per inch.
In the weft, because of the firm beat we used, it took almost exactly the same amount of thread for weft as was used for warp, so the weft cost was $1.97.

Thus the total cost of the fabric including loom waste, was $3.95 per yard, or $31.96 for 8 yards and 4 inches.

MORE ABOUT THIS FABRIC

I would like you to notice the difference between the sample this month, and the sample we had in May. The same warp thread was used in both of them, but notice what a difference the use of different colored weft threads makes. Also, this fabric was planned with the thought in mind of using it for sport coats, and was set closer at 30 per inch, instead of 21 per inch, as was the sample last month. We did not wash this sample, but it would be somewhat softer when it is washed, and yet, it would have the ideal body and weight for a sport coat.

In this entire project, there were only a few knots, three if I remember correctly, so we're very pleased with the quality of this yarn that we have had spun to duplicate Bernat's FABRI, as closely as we possibly could.

We also used a temple or stretcher, and there were no supplementary threads used on the selvages to add strength, and there were no frayed or broken selvage threads on this piece.

This yarn has approximately 5,000 yards per lb., and we have 19 colors available on approximately 1/2 lb. cones.

Also, we have just ordered another 16 colors, so that we will have a total of 35 colors in all. We must say, however, that it will take about 4 to 6 months for us to get the new colors, as the yarn has to be spun, and then dyed, and coned, and then shipped from England.

EXCUSE THE DELAY

We were away in May from the 7th to the 29th, and had a wonderful trip to Switzerland. Found some wonderful silk, and also ordered about 800 lbs. of smooth spun silk in colors for the shop. We also ordered some ramie in new colors, and found some linens in the most beautiful colors that we do hope eventually to have some of that in stock also. Because of this trip, both Drafts and Designs, and Warp and Weft are later than usual.

* * * *