

warp and weft

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December, 1964

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A Word from the Editor

We mentioned last month doing a ½ hour program on handweaving for educational T.V. We had the privilege of seeing this program on T.V. at a later time, and enjoyed it, and thought that it was an interesting program to promote handweaving. You certainly do look and sound different than you normally think you do. At least, this was my reaction when I saw myself on this program.

Lots of activity during this past month besides the T.V. We had an exhibition of our handweaving on display at the Corvallis Art Center, Corvallis, Oregon for one month, and it took time and effort to assemble and display this.

This year, we had a bumper crop of Walnuts and Filberts on our trees at home here in McMinnville, and we have about 200 lbs. of Walnuts to shell and about 50 lbs. of Filberts to shell. Robin has been experimenting with different nut recipes and different ways of preparing walnuts, so it has been a busy time for her also.

We have started an interesting silk and mohair fabric, which will probably be featured next month in Warp and Weft. Just have it on the beam so far, but it certainly looks nice on the warp beam.

Our guild handweaving program for this month was on Ecclesiastical Weaving and it was quite interesting, but we did have a shortage of woven samples, so perhaps we can have more on this subject at some future time.

Conference plans for 1965 in May are still progressing, and we have monthly meetings to work on the 1001 details that such a con-

ference involves. Thank goodness, I had some experience with such a conference in Santa Barbara, as this past experience has been a great help.

Russell E. Groff, Editor

This Month's Cover

The cover this month is a display by the Redwood Empire Weavers Guild of Northern California near Santa Rosa, California.

This was displayed at the Northern California Handweavers Conference this year of 1964.

Actually, all of the pieces hanging from this large umbrella are all mobiles made entirely of hand-weaving materials or accessories. It is too bad that this picture is not in color, as it is the color that makes a picture such as this so interesting. However, you can also imagine how much work went into the making of all of the various mobiles for such an exhibit. The theme of the conference was "A Blaze of Color" and you can see that this was just what the Redwood Empire weavers did.

This Month's Book Review

This month, we want to tell you of the latest edition of the book entitled "Fabrics," by Grace G. Denny. This is the eighth edition of this book, and this one has been revised to meet our current developments in textile fibers, techniques.

This is actually an alphabetical listing of all of the technical and non-technical terms referring to fabrics and textiles.

The first and major portion of this book is a series of many, many fabric definitions, and for the weaver who is interested in the technical end of textiles, and for the commercial buyer, this series of definitions would be of great interest and value. Such words as Abaca, Gassing, Helenca, Thai Silk, Schappe; these and many hundreds of other textile terms are explained, and; there are many illustrations of some of these terms.

Part two of this book deals with the ways or methods to test fabrics and to identify fi-

bers and to see what the content and qualities of threads are that go to make up many of our modern fabrics. Explanations of how to test the fabrics and threads in many different ways are given and illustrated.

Two of the minor sections of the book are Complaints on Textile Merchandise and Textile Legislation to help protect the buyer in getting quality in the materials purchased. A concise and well planned text, this is an entirely different weaving text than we usually find on the market.

TITLE: FABRICS, eighth edition
AUTHOR: Grace G. Denny
PRICE: \$6.50 plus 15 cents postage
PUBLISHER: J. B. Lippincott Co.
 Philadelphia, Penna.
AVAILABLE: From publisher or from
 Robin & Russ Handweavers

OUR SECOND PROJECT THIS MONTH IS A COLONIAL TYPE BEDSPREAD IN A 4 HARNES OVERSHOT WEAVE.

This is not a pattern that we have woven, but one that we would like to. Here are the threads, set-up and threading that we have planned for this project.

WARP:

20/3 Mercerized White Cotton for warp.

WEFT:

You will need a pattern and a tabby thread in the weft. For the pattern thread, I'm going to suggest 2/18's worsted or 2/16's worsted. If you desire to keep it in the colonial style, I would suggest a royal blue, a colonial blue, or if you do not like blue, then a burgandy color. The 2/18's has about 4800 yards per lb., and the 2/16's has 4200 yards per lb.

REED USED:

Use a 15 dent reed, and double sley it, 2 ends per dent, or 30 threads per inch.

TIE-UP DRAFT:

4	X	X	○	○	X	○
3	X	○	○	X	○	X
2	○	○	X	X	X	○
1	○	X	X	○	○	X
		1	2	3	4	5
					A	B

X—tie-up for Counter-balanced looms.
 ○—tie-up for Jack-type looms.

MORE ABOUT THIS BEDSPREAD

I am going to suggest that you do this bedspread in two pieces with a seam right down the center. The plan for threading here is actually the plan for 1/2 of the bedspread. You will weave 2 pieces 3 yards or 108 inches long, both the same. Then you will turn one piece around and join it in the center with the other piece which is not turned around, and thus you will have a border around the entire bedspread. Also, I have planned a wider selvage deliberately on the left side of your 3 yard piece so that it will be easier to seam the two pieces together and get a better seam and complete pattern repeat in the center.

Also, I am suggesting that you weave two pieces 40" wide on your loom. Here is the plan for threading your loom.

Right Selvage — 3 threads	03
One Border repeat A to B	103
Pattern, 36 times B to C	1080
7 threads to Balance C to D	07
Left Selvage	07

40" WIDTH, TOTAL WARP ENDS 1200

I figure that you will need an 8 yard warp for this bedspread. This would take a little less than 2 lbs. of your 20/3 white mercerized cotton warp. In the weft, it should take about 2 lbs. of the 2/18's worsted or about 2 lbs. 4 oz. of the 2/16's worsted for the pattern thread, and one pound of the 20/3 bleached white mercerized cotton for tabby, plus what is left from your 2 lbs. of warp.

I have suggested a 20/3 cotton for warp, as it is a little heavier, and much stronger

Continued on Page 6

MODIFIED M's and O's

Here is a practical M's & O's pattern that is excellent for placemats, drapery, and even for upholstery.

WARP:

20/2 Bleached, Mercerized Ramie is used as the warp thread.

WEFT:

Two different Ramie threads were used in the weft. The main one, was the 20/2 mercerized Ramie in an Aqua Blue color. The other thread is the unmercerized 16/2 Ramie from Switzerland, called Fog Grey.

REED USED:

A 15 dent reed was used, and was double-sleyed, 2 ends per dent, or 30 threads per inch.

THREADING DRAFT:

4	X		X	X	X		X	X
3		X	X					X
2				X	X		X	X
1	X	X	X				X	X

4 times 4 times
B UNIT A UNIT

NOTE IN REGARDS TIE-UP & THREADING DRAFT

Please note that in any M's and O's threading draft, and also in the tie-up for such a threading draft, that there is no true tabby treadle combination because of the sequence in the threading draft.

TREADLING SEQUENCE:

1. Treadle No. 6, 20/2 Merc. Ramie, Aqua
2. Treadle No. 5, 20/2 Merc. Ramie, Aqua
3. Treadle No. 6, 20/2 Merc. Ramie, Aqua
4. Treadle No. 5, 20/2 Merc. Ramie, Aqua
5. Treadle No. 6, 20/2 Merc. Ramie, Aqua
6. Treadle No. 5, 20/2 Merc. Ramie, Aqua
7. Treadle No. 2, 16/2 Ramie, Fog Grey
8. Treadle No. 4, 20/2 Merc. Ramie, Aqua
9. Treadle No. 3, 20/2 Merc. Ramie, Aqua
10. Treadle No. 4, 20/2 Merc. Ramie, Aqua
11. Treadle No. 3, 20/2 Merc. Ramie, Aqua
12. Treadle No. 4, 20/2 Merc. Ramie, Aqua
13. Treadle No. 3, 20/2 Merc. Ramie, Aqua

14. Treadle No. 2, 16/2 Ramie, Fog Grey

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

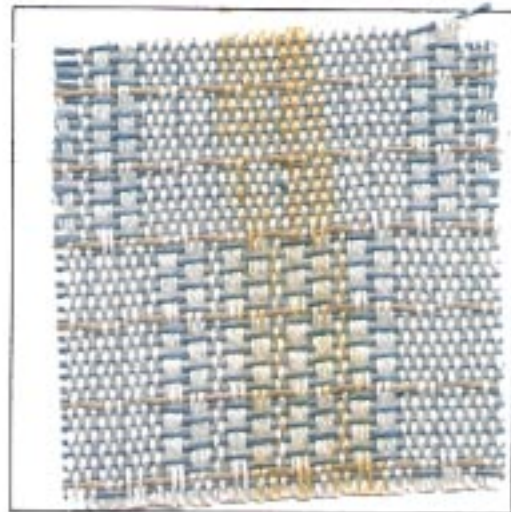
TIE-UP DRAFT:

4	X	O	X	O	X	O
3	O	X	O	X	X	O
2	O	X	X	O	O	X
1	X	O	O	X	O	X
	1	2	3	4	5	6

X—tie-up for Counter-balanced looms.

O—tie-up for Jack-type looms.

Sample:



PLAN FOR A PLACE-MAT, 14-1/2" WIDE

1. Selvage, 4,3,2,1—2 times — 08 thds
2. Pattern, repeated 5 times or
5 times 80 equals — 400 thds
3. A unit, one time to bal. — 40 thds
4. Selvage, 4,3,2,1—2 times — 08 thds

Total Number of Warp Ends 456 thds

For the weft, use the same treadling as is given for the sample, and of course, you can use the colors we used, or any of many different colors available. You can use this plan that we have given for place-mats, using either linen or ramie, and this same plan would probably work quite well with a 10/2 cotton, sett at 30 threads per inch.

MORE ABOUT THE THREADING DRAFT:

You will notice that we call this a MODIFIED M's and O's pattern. If you are familiar with most M's and O's, you will know that there are usually 8 threads in each M's and O's unit and they are threaded 4,3,4,3,2,1,2,1 and 4,2,4,2,3,1,3,1.

However, we have made this type of pattern much more practical by adding a 4,1 at each end of each block of 8 threads. This is how the threading draft has been modified. Actually, the addition of these two threads makes or improves the M's and O's pattern, by making the ribs more substantial in the open lace squares. Notice in this sample that the weft threads in the lace squares hold in place, and do not slip and group together as do most M's and O's. Thus, this pattern is excellent for place mats, table-linens, drapes, and even for upholstery if you use heavier weft threads.

I also think that using fine threads for warp and weft, and close warp settings, that you could even use this pattern for coats, tailored suits, and other such material for clothing.

MORE ABOUT THIS FABRIC; and SELVAGES

In place-mats, if you alternate the blocks in the weft, as in our sample, you might have a little trouble with nice selvages in alternate blocks of weft. Because of the threading draft, it is quite hard to get a good selvage. On the Modified M's and O's, some people use a 4,1,4,1,4,1,4,1 for selvage instead of 4,3,2,1,4,3,2,1 as we have suggested for place-mats. I'm going to let you make your own decision as to which you like best for selvage.

FACTS ABOUT THREADS USED IN THE SAMPLE:

This is an all Ramie fabric, and we have used it as this is one of the threads that we always have in stock. However, if you have linens, you can use them in place of the ramie, or you can use them in combination with the ramie.

The 20/2 Mercerized Ramie comes in 7 colors, and is available on either 4 oz. spools of 750 yards each or one pound cones of 3,000

yards per cone. The price of the mercerized Ramie is much less than mercerized linen, as it sells at \$5.00 per lb., or \$1.25 per 4 oz. spool.

The 16/2 Ramie in Fog Grey is the other thread used, and this is imported from Switzerland and has 2400 yards per lb. It too, is available on approximately 1 lb. tubes or 4 oz. spools, and the price is the same as the mercerized Ramie at \$5.00 per lb., or \$1.25 per 4 oz. spool.

The mercerized ramie seems to be an excellent warp, quite crisp and easy to handle, is not fuzzy as most unmercerized Ramie threads seem to be. Also, this is the best quality long fiber ramie available, and has very, very few knots.

COST OF OUR SAMPLE:

We set up a 10 yard warp on the loom, 40" wide. It took 4 pounds of the 20/2 bleached mercerized Ramie for the warp.

From this 10 yard warp, we received 8¾ yards of finished material. Thus, the warp cost was \$20.00 for 8¾ yards of finished material, or \$2.28 per yard.

It took 1 lb. 14 oz. of the 20/2 mercerized Ramie in Aqua for weft, along with 5 ounces of the 16/2 Ramie in Fog Grey. Thus, the weft cost for 8¾ yards of finished material was \$10.93, or cost per yard was \$1.25 per yard.

WARP COST PER YARD	\$2.28
WEFT COST PER YARD	1.25

40" FABRIC COST PER YARD \$3.53

COST OF PLACE-MATS, 14" WIDE

At 30 per inch, we find that we can get a 7 yard warp, 14" wide from 1 lb. of the 20/2 mercerized Ramie. Figuring on a basis of 24" length per mat, and on a loss of one yard of warp, we find that 1 lb. is enough warp for 9 mats, or the cost is 55 cents per mat for the warp. In the weft, we found that it takes about ½ as much thread for weft as for the warp, so the weft cost should be 28 cents per yard. Thus, the cost per place-mat should be 83 cents per place-mat.

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SILK TWEED WARP THREAD:

An attractive 3 ply silk tweed warp thread which has 4,000 yards per lb. Price is \$4.00 per lb. on ½ lb. spools. This has flecks of yellow, pale green, orange and maroon on a sort of beige background. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

9/3 LINEN RUG WARP

This linen has about 850 yards per lb. It comes on spools of 425 yards each, and is priced at \$1.60 per spool. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

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warp and weft

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