war and weft

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A Word from the Editor:

A busy summer has almost passed, and
once again, we are starting warp and weft
for the fall and winter months.

In our shop, we have had many, many
different projects going. First and of most
importance was the complete preparation of
a new catalogue. This involved a dummy
catalogue first to check prices, and to plan a
lay-out, and then the taking of pictures to show
some of the accessories, etc. available. After
this, it was typed on supposedly letter perfect
pages (36 of them) so that the printer could
photograph each page and then reproduce
them without setting type. After much effort,
and many, many evenings of work, and ad-
vice from many, it has been taken to the print-
ers, and we expect our new catalogue to be
available in about two to three weeks.

Also, another thing was accomplished this
summer that I have worked on for many
hours during the past two or three years.
This was the writing of a manual of "SECT-
IONAL WARPING, MADE EASY." This
is the method we use in warping most of
our looms, and as we find it most efficient
and effective, we have long thought that we
should share our ideas on this subject. This
manual on SECTIONAL WARPING shows
not only the warp being put on the warp
beam, but the complete loom set-up in PIC-
TURES AND WORDS. It is essentially an
instruction manual on loom set-up, and it too
is at the printers, and we hope will be avail-
able for sale in about two to four weeks. We
expect it to sell for $2.50 plus 10¢ postage
if all goes well, and if the printers estimate is
correct.

Besides this, several warp and weft projects
have been put on the looms, and are in
progress. One multiple harness sample for
Drafts and Designs was also woven, and
several samples have been made for future
projects in each bulletin.

Besides this, we have started an order for
approximately 50 yards of sheer drapes, and
hope to have these finished by the time we
next write another copy of warp and weft.

Along with the above activities, Robin has
been busy canning cherries, peaches, pears,
and Janice is away at camp for awhile. She is
at a camp where they have about 100 Welsh
ponies and horses, and is learning to ride,
saddle, and take care of the horse and equip-
ment necessary.

Robin and I have had a chance to explore
a little of Northern California and we visited
the Lava Beds National Monument and went
exploring in some of the 200 lava caves in the
area. We also explored a beautiful state
park called Burney Falls State Park in North-
ern California, and had a pleasant six days of
camping.

We also hope to go camping next week
and explore the Olympic Peninsula Rain For-
est, and camp there for a week, and then pick
up Janice when camp is ended.

You can see from this report, that there
hasn’t been much time that wasn’t used these
past two months.

Russell E. Groff, Editor

This Month’s Cover:

Many have written to ask about our daugh-
ter Janice Susan, so here we present two
pictures of her. She is wearing a hand-woven
tartan, called the “Duncan” tartan. This is
woven of 2/18’s Fabri, set at 30 threads per
inch.

Janice’s sweater is also knit of two ends of
fabri knitted together as one thread. It is the
same dark green color as is used in the tartan.
I also wanted to tell you that the skirt was made in the authentic Scottish manner in a wrap around style with pleats on the back and one side, and with a large pin for a button. This was copied in style from an authentic Scottish Tartan skirt.

I might also mention that Robin’s family in the past was named Duncan, so that is why we wove the Duncan tartan for this project. I might also mention that Robin also has a skirt made in the same manner, so Mother and Daughter both have matching outfits.

Many of our subscribers to Warp and Weft used to purchase yarns from us when she was born, and I’m sure that many remember her from the pictures we featured when we took over the publication of Warp and Weft in 1955.

Janice is now a teen-ager being 13, and she will be entering 8th grade this fall, and she will be a busy young girl once school starts, as she will also be practicing her clarinet lessons as per the past several years, and also she will work four hours every Saturday here in the shop.

She explains the equipment needed quite thoroughly, tells how to make a bobbin lace pillow, and then goes into detail about how the equipment of pillow and bobbin lace bobbins are used. Her lessons are planned to teach step by step, the different stitches and their combinations.

Mrs. Gubser explains 15 different laces, has photographs and diagrams of each, and gives the step by step instructions for each of these 15 laces, and suggests in some of these 15 patterns, ways of making the patterns different than the straight piece of lace.

In all, there are some 39 illustrations or photographs of this ancient hand-craft. Those we have sold this book to have recommended it highly. If you are ever interested in bobbin lace, we suggest you make this your beginning manual.

**This Month’s Book Review:**

This month, we want to tell you about a different book. The book review this month is a book entitled "Bobbin Lace" by Elsie H. Gubser.

Before I go any further, we have a friend who is an expert in making bobbin lace, and she has done this for many years, and has taught many people this ancient handcraft. She feels that this book on bobbin lace by Mrs. Gubser is the best instruction manual on the subject, and is excellent for the beginner and intermediate.

I have examined this book very thoroughly, and I myself feel that I could follow her directions and do some of the lace-making.

Mrs. Gubser has quite a collection of lace-making books from many different countries, and found that beginners had trouble using these to start to learn this hand-craft, so as a result, she worked out her own lessons and incorporated them into this manual.

Our suggestion for a 2nd project this month is for a SEMI-SHEER DRAPERY. We want to mention that the idea for this drapery comes from a fly-shuttle woven drapery which is handled by Meier and Frank department store in Portland and Salem, Oregon, which they have on sale for use in drapes at $28.00 per yard for about a 54" width material. We are weaving some 50 yards of this material in a 40" width, for a home being built herein the McMinnville area.

**WARP:**

There are 3 threads used in the warp in this project in a quite open setting. The warp is as follows:

A. A 40/2 natural linen
B. A natural loop wool with a fine rayon twist with 2200 yards per lb.
C. A natural boucle which is about 88 per cent rayon and 12 percent cotton, in a fairly heavy thread with 1400 yards per lb.

(Continued on page 6)
A Miniature Overshot Pattern:
We believe that this is one of the patterns originated by Bertha Grey Hayes, which she called "Peggy's Choice." However, this pattern and the other Bertha Grey Patterns were passed around so much from one weaver to another, that I doubt that all of these patterns of hers are exactly the same as when she originally wove them.

**THREADING DRAFT:**

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

**WARP:**
We used a 20/2 Egyptian cotton in the "Siesta" color for warp.

**WEFT:**
There are two threads used in the weft in this fabric. The tabby or plain weave thread was a 20/2 Cherry spun rayon.

The pattern thread was a 2/18's Fabri yarn in the Burgundy color.

If I were weaving this over again for my own personal use and not for Warp and Weft samples, I would change one of the weft threads, and instead of the spun rayon, I would use an Egyptian cotton in a color just slightly different than in the warp. I would suggest this just because this 20/2 spun rayon was not as strong as much we have seen and used, but it did make a beautiful fabric.

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

**TREADLING SEQUENCE:**
Remember, in this pattern, there is a tabby shot of plain weave after every pattern treadle. The treadling given below is just for the pattern treadles with it being understood that you automatically alternate the A & B tabby shots after each pattern shot.

**SAMPLE:**

Sample on next page.

1. Treadle No. 1 — two times
2. Treadle No. 2 — one time
3. Treadle No. 3 — one time
4. Treadle No. 4 — one time
5. Treadle No. 1 — one time
6. Treadle No. 2 — one time
7. Treadle No. 3 — one time
8. Treadle No. 4 — two times
9. Treadle No. 3 — three times
10. Treadle No. 2 — three times
11. Treadle No. 1 — three times
12. Treadle No. 4 — two times
13. Treadle No. 1 — one time
14. Treadle No. 2 — one time
15. Treadle No. 3 — one time
16. Treadle No. 4 — one time
17. Treadle No. 1 — one time
18. Treadle No. 2 — one time
19. Treadle No. 3 — two times (center)
20. Treadle No. 2 — one time
21. Treadle No. 1 — one time
22. Treadle No. 4 — one time
23. Treadle No. 3 — one time
24. Treadle No. 2 — one time
25. Treadle No. 1 — one time
26. Treadle No. 4 — two times
27. Treadle No. 1 — three times
28. Treadle No. 2 — three times
29. Treadle No. 3 — three times
30. Treadle No. 4 — two times
31. Treadle No. 3 — one time
32. Treadle No. 2 — one time
33. Treadle No. 1 — one time
34. Treadle No. 4 — one time
35. Treadle No. 3 — one time
36. Treadle No. 2 — one time

END OF ONE FULL REPEAT. REPEAT OVER AND OVER AS DESIRED.

MORE ABOUT THIS FABRIC:

Most miniatures are fun to weave, but this one is more interesting than usual because of the many different effects in one repeat of the pattern. I can see many different figures in this pattern. First of all, you have a diamond, and with two pattern repeats, you have a large diamond, with 4 small diamonds inside. You also have a pattern which is very much similar to a maltese cross, and many different and unusual shaped figures with names that I do not know.

And yet, with all of these figures, this is not too busy a pattern if you use the proper choice of colors and materials, as I feel we have here in this sample.

Patterns like this with such short overshots make excellent material for upholstery. I have seen this used to cover note-books, and this too, is very attractive. There are numerous other uses for such material, but I will not delve into this further.

In this fabric, we suggest a firm, even, double beat, and also that you beat once, change to the next treadle or shed, and beat the 2nd time. This 2nd beat will help clear the shed, and make it much easier to throw the shuttle.

Another thing that I want to mention is that there is quite a bit of draw-in in weaving a pattern like this. with a wool for the pattern thread, and a spun rayon for the tabby. We had a set-up of 40" width on the loom, and when taken off the loom, we found that we had a material 37¼" wide. Sometimes and some people will have even more take-in than this.

When this happens, I feel it is time to use a temple or stretcher. We used a temple or stretcher in the weaving of this sample, and if it had not been used, I think it would have been about 34 to 35 inches wide, instead of 37¼". Some persons feel that you are using a crutch when you use something like this, but I should also mention that it is a very common practice in Scandinavian weaving to use such a "crutch," and I recommend it highly that a person use such an aid whenever necessary.

COST OF THREADS USED:

The Egyptian cotton warp in size 20/2 is $5.50 per lb. on 1/2 lb. cones.

The 20/2 spun rayon in cherry and other colors when available is usually about $2.00 to $2.50 per lb. Ours was $2.00 per lb.

The 2/18's fabric has 4700 yards per lb., and is $6.80 per lb. in lots of one pound or more, and when less than one pound is purchased, it is $2.00 per 4 ounce spool.

COST OF THIS FABRIC:

A 9 yard warp, 30 threads per inch, 40" wide, took 1 lb. 6 oz. of Egyptian cotton warp. Thus, the 9 yard warp cost $7.57 or 84 cents per yard.

In the weft of 7¾ yards of finished fabric from a 9 yard warp, it took 1 lb. 1 ounce of 20/2 spun rayon. In the weft, it took 1 lb. 12 ounces of the fabric. Thus the weft cost for 7¾ yards of material was $14.02, and thus the cost per yard was $1.81.

WARP COST PER YARD .............. .84
WEFT COST PER YARD ............1.81

FABRIC COST PER YARD .......... $2.65
This Month's Second Project (continued)

THREADING DRAFT:

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The threading draft above is a one inch repeat of your loom set-up. A 12 dent reed is used, and it is single sleyed, one end per dent, or 12 threads per inch. Actually, a 4 thread sequence, or 1/3 of the threading draft above is enough to give you the set-up, and I repeated it three times because it made a one inch pattern repeat.

You can see that this is a fairly sheer sett, and yet, the weight of the fabric will depend upon what type of thread you used for weft.

In the $28.00 per yard fabric, a natural loop wool yarn was used as the major weft thread, with a border of about 15° at the bottom. In the border, in the commercial fabric, they used a 3 cut chenille, in natural, tan, and beige, along with a fairly wide (1/16") copper metallic, in an interesting stripe effect. Each of the lengths for these drapes was 100" long, and of this, it was all plain weave with a plain weave border 8" from the bottom; of 15" width.

We have just set this up on the loom 42" wide with exactly the same set-up as given you previously.

However, we wove several samples for our customer, and they liked very much the rayon nub with faint gold & silver twist as the major weft thread. The 15° border will be about 15" wide, and it will be woven of chenille, 3 cut, in natural and beige and wide copper metallic.

We will weave 8–100" lengths with the above materials, and will weave another 8–100" lengths with a different weft.

In the second set of 8 lengths, we will use the rayon and cotton boucle combination in natural. This boucle has 1400 yards per pound, so this will help to make the fabric semi-sheer instead of sheer as you would think when you see what the warp is.

The threads used in this drapery are as follows:

1. 40/2 natural linen, 6,000 yards per lb. at $5.50 per lb.
2. The natural loop wool yarn with rayon twist has 2200 yards per lb., and costs $6.50 per lb.
3. The rayon & cotton combination boucle has 1400 yards per lb., and it is $3.20 per lb.
4. The 3 cut chenille is $4.00 per lb., on 4 oz. skeins.
5. The 1/16" wide supported copper metallic is $4.00 per lb. It is supported with a brown thread.
6. The rayon nub with gold and silver twist has 1600 yards per lb., and it sells for $3.20 per lb.

We put a 55 yard warp, 42" wide on the loom. It took 2–1/3 lbs. of 40/2 linen natural warp at $5.50 per lb. or $12.85 for the linen.

In the loop wool, it took 3 1/6 lbs. of the natural at $6.50 per lb., or $20.58.

In the rayon boucle, it took 4 lbs. of this rayon & cotton thread for warp at $3.20 per lb.

Thus our total warp cost for a 55 yard warp was $46.23. We figure that we will get 50 yards of finished material from this set-up, so it should cost 93 cents per yard for the 50 yards of finished material we expect from this set-up.

In the weft, we expect to have 14 or 15 threads per inch of the rayon & cotton boucle thread. Thus in one yard, it will take 3/10's of a lb. of this for weft. In a 50 yard length, we expect to use 15 to 16 lbs. of this thread in the weft, so the weft cost would be 16 x 3.20 or $51.20 and this would make the weft cost at $1.02 per yard.

WARP COST PER YARD ..................93
WEFT COST PER YARD .................1.02
FABRIC COST PER YARD ...............1.95

The $1.95 per yard figure that we give for a 40" width finished fabric is quite reasonable for a drapery, and it would be quite an effective drapery material.

One thing that I might not have mentioned is that this drapery material is all done in a plain weave, using only the 2 tabby treadles.
CLASSIFIED ADVERTISING
Why not advertise your old loom, duplicate equipment, and other such items in this section. Price per 5-line ad is $4.00. Payment to accompany your advertising copy.

6/2 SILK IN FOUR COLORS.
This is a 4 ply silk, excellent for warp or weft. Available in 4 colors: dark turquoise, mimie pink, golden brown, olive. 5,000 yards per lb. Price is $7.00 per lb., or $2.00 per 4 oz. spool. Also bleached white, royal blue, and two other colors are at the dyers now. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

3 PLY TUSSAH SILK.
This tanish beige silk has about 4600 yards per lb., and is excellent for warp or weft. Use at 20 or 24 per inch. Available on approximately 4 oz. spools. $4.80 per lb. Excellent for sport coats, tailored suits, skirt materials, etc. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

16 COLORS IN HEAVY, 2 PLY JUTE.
Available on 4 oz. spools of about 75 yards each, these spools are 69 cents each, or $2.75 per lb. Free samples upon request. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

ELECTRIC BOBBIN WINDER WITH TAPERED SHAFT AND FOOT Rheostat Control.
These are excellent bobbin winders, well made, and with a excellent self-cooling motor. Price is $23.50 plus postage. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

2 SHADES OF OLIVE FINE LOOP MOHAIR.
This fine quality mohair has about 2800 yards per lb. Price is $3.50 per lb. on about 1 lb. cones. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

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We have in stock some excellent little 1/15 Hp. motors with a fan built in them to keep them cool. We have used some of these ourselves for 8 to 10 years, and will guarantee these for a year. Price is $7.50 plus postage for this motor. Also, in stock are the other two essentials for making your own bobbin winder. We have a good rheostat, which sells for $3.95 and a tapered shaft to be fastened to your motor which is $2.50.
1. 1/15 Hp. Motor ___________ $7.50
2. Foot rheostat ___________ 3.95
3. Tapered shaft ___________ 2.50
All available for immediate shipment. Postage is extra. You can save about $10.00 to $13.00 if you make your own bobbin winder. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

SECTIONAL WARPING MADE EASY.
This is a new manual of warping the loom with a sectional warp beam. Complete directions in pictures and words. Price is $2.50 plus 10 cents postage. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

40/2 NATURAL MERCIERIZED RAMIE.
On 1 lb. cones, this nice ramie has 6,000 yards per lb., and comes on 1 lb. cones. Price is reasonable also at $4.80 per lb. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

6/1 TUSSAH SILK IN NATURAL.
This is a fluffy textured tusshah silk in the tanish natural color so typical of tusshah silk. Excellent for use in sport coats, clothing materials, etc. $4.80 per lb. on approximately 1 lb. cones. Robin & Russ, 533 North Adams St., McMinnville, Oregon.

RAYON NUB WITH FAINT GOLD AND SILVER TWIST
This is a nice rayon boucle with a fairly heavy nub. Has a fine metallic twist which changes from gold to silver every 3 or 4 inches. On approximately 1 lb. tubes. Price is $3.20 per lb. Excellent for weft in mats with pastel colored warps. ROBIN & RUSS, 533 North Adams St., McMinnville, Oregon.

EASILY ADJUSTABLE METAL SKIN WINDERS
These skin winders are made by Lecerc, and I consider them the best skin winder on the market. Made with a screw attachment so that they will fasten on the edge of a table. These skin winders are $12.50 plus postage. Or, if you wish, you can order a stand for these skin winders. We have these made to order also, and the skin winder fits perfectly onto these stands. Price is $7.50 for the stand, and both of these items can be mailed via parcel post.
Skin-winder-metal ___________ $12.50
Stand for skin winder ___________ 8 7.50
I feel this is the best combination and multipurpose skin winder on the market. You can use it to make skins as it has a built on handle, or you can use it to unwind skins. ROBIN & RUSS HANDWEAVERS, 533 North Adams St., McMinnville, Oregon.

3 ply, natural ton, TUSSAH SILK.
This is a nice quality silk with about 4200 yards per lb. Excellent for warp or weft. Use in men’s sport coats, women’s suits, etc. Price is $4.80 per lb. Available on 1/2 lb. spools, or approximately 1 lb. cones. ROBIN & RUSS, 533 North Adams St., McMinnville, Oregon.

MERCERIZED RAMIE.
This is now available in a size 10/2, with 1500 yards per lb. Available in natural and white on 1 lb. cones. Price is $3.80 per lb. For Creamed Eggshell, and $4.00 per lb. for White. White. Free sample sheet of ramie upon request. Robin & Russ, 533 North Adams St., McMinnville, Oregon.
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