

DRAFTS AND DESIGNS

A guide for 5 to 12
harness weaves

VOLUME 5, No. 1

September, 1962

A CHRISTMAS CARD PROJECT

A very interesting 8 harness Summer and Winter weave of 6 blocks. This could be used for Christmas Cards, wall-hangings, borders on Christmas aprons and place-mats.

WARP: 10/2 cotton in Electric Blue

WEFT: 10/2 cotton in Electric Blue was used for tabby, and with it, we used a supported variegated blue and gold metallic. Both of these were wound together on one bobbin and used as one thread.

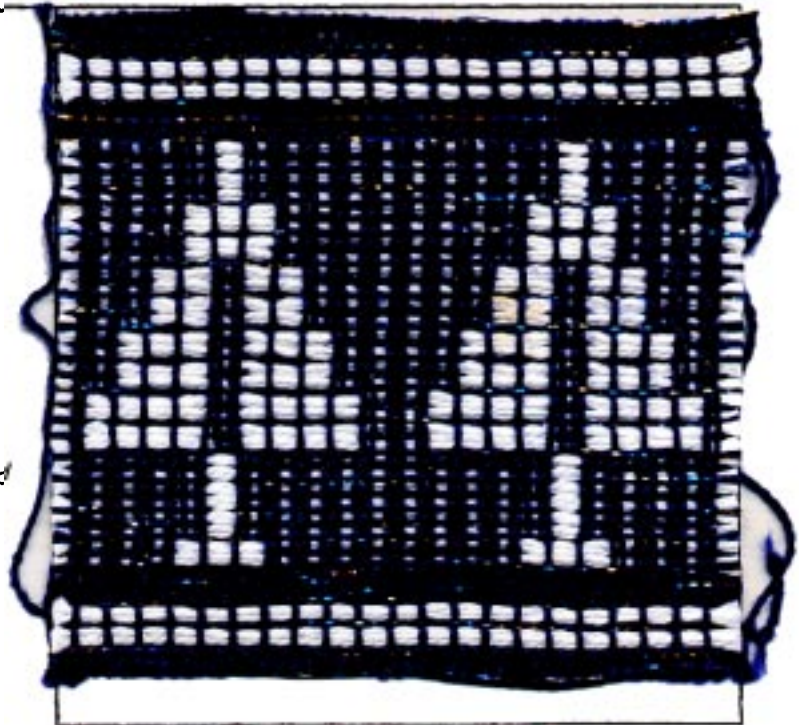
The pattern thread in the weft was a 5/2 cotton or perle 5, which we tripled, using 3 ends on a bobbin as one thread.

REED USED:

A 12 dent reed was used and it was sleyed 2 ends per dent, or 24 threads per inch.

PROFILE DRAFT:

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



In the profile draft above, each X represents 4 threads. If the X is on harness 3, it represents 4 threads threaded 1,3,2,3. If the X is on harness 7, it represents 4 threads threaded 1,7,2,7, etc. In the profile draft above, there are eleven X's, which represents 44 threads in all, and this is the number of threads in one pattern repeat. In order to balance the pattern on the opposite side of the loom from which you start threading, you will have to add 2 summer and winter

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VOLUME 5, No. 1 September, 1962

block units on # 3 harness, or you would have to end with 1,3,2,3,1,3,2,3 to make your pattern balance.

TIE-UP DRAFT:

8						0				
7					0	0				
6				0	0	0				
5			0	0	0	0				
4		0	0	0	0	0				
3	0	0	0	0	0	0				
2							0			
1	0	0	0	0	0	0	0	0		
	1	2	3	4	5	6	7	8		
						A	B	X		

In the tie-up draft above, treadle # 6 is also the A tabby treadle. Treadle # 7 is the B tabby treadle. Treadle # 8 is the X tie-down which you have in summer and winter weaves and the Y tie-down is not used in this particular sample.

TREADLING:

In the treadling, I will first give just the treadling for the Christmas tree itself. Then I will give separately the treadling for the plain weave and the heavy white double rib that we used to set off the Christmas tree.

In this treadling below for the Christmas tree, every thread on treadle # 6 or # 7 is a tabby thread of blue cotton with metallic. Every thread on treadles 1,2,3,4,5 is the white perle 5 cotton tripled.

Christmas Tree

Treadle 6,4,7,4-----one time

Treadle 6,5,7,5-----three times

Treadle 6,1,7,1-----two times

Treadle 6,2,7,2-----two times

Treadle 6,3,7,3-----two times

Treadle 6,4,7,4-----two times

Treadle 6,5,7,5-----two times

Plain weave, rib, plain weave and rib.
Treadle 6,7,6,7,6 all in 10/2 blue & metallic.

Treadle 7 in blue, 8 in white, 6 in blue, and 8 in white.

Treadle 7,6,7,6,7,6,7,6 all in blue cotton & metallic

Treadle 7 in blue, 8 in white, 7 in blue, 8 in white.

Treadle 7,6,7,6,7 all in blue & metallic.

I've struggled with several methods of writing this treadling, and this is the best that I could figure.

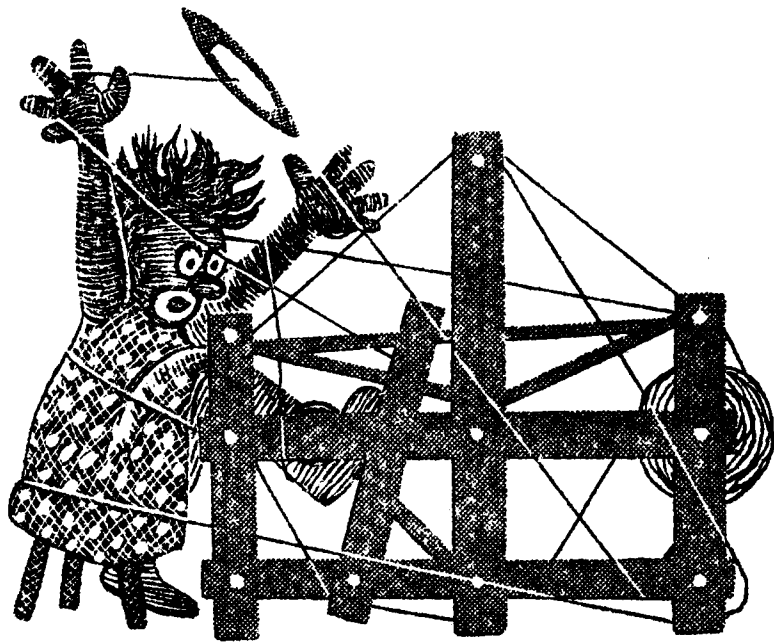
MORE ABOUT THIS FABRIC:

First, I want to give credit where credit is due. The idea for this sample was given in the Contemporary Handweavers of Texas Bulletin, and it was woven for them by Ruth Barrett of San Antonio.

We want to suggest that you use this pattern for Christmas Cards. We would like to suggest the Christmas Cards that are used mostly for photographs. These usually have a cut-out area for a small photograph, and instead of the photograph, you could insert the swatch of the Christmas Tree or any of the other ideas you might work-out on this particular set-up for the Christmas Season. You can purchase these insert cards from most photography shops or if none is handy, we will stock a few boxes of these.

These cards are usually packed 25 to a box with the envelopes, and almost invariably, they sell for \$2.00 for a box of 25 almost everywhere in the country. Each year, there are usually 2 styles or more available, and the main difference is that one style will take a little larger insert of a fabric or picture than will the other.

I might also tell you that this makes up into a very effective Christmas skirt. We had 2 yards of warp left after we wove enough for 450 samples for Drafts and Designs, and rather than waste it, we started a skirt. We found that it took 1 and 3/4 hours to weave this 2 yards or two pieces for the skirt length. We will have this on display in our shop if any of you have a chance to visit us.



DRAFTS AND DESIGNS

A guide for 5 to 12
harness weaves

VOLUME 5, No. 2

October, 1962

GREY GOLD:

An interesting 8 harness weave which Harriet Tidball classifies as an opposites Overshot System of weaving. This would make excellent drapery and could be used with different treadlings in table linens, table cloths, etc.

WARP: This is size 50/3 cotton, called fine weave. This comes on cones of 6,000 yards. We used the color called "Cocktail Green" for warp. This thread comes in 36 exciting colors, and is priced at \$1.80 per 6,000 yard spool.

WEFT: For weft, we used a 20/1 dark natural grey linen, which has 6,000 yards per lb. It comes on 4 oz. spools, and is 75¢ per 4 oz. spool or \$3.00 per lb.

REED USED: A 16 dent reed was used and it was threaded 4,3,4,3 in the 16 dent reed, making a total of 56 threads per inch.

THREADING DRAFT:

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

TREADLING: The treadling is a simple and easy one to do. I will divide it into 2 parts for further simplification and you can take it from there.

- A.--Treadle 1,2,1,2,3,4,3,4,1,2,1,2.
B.--Treadle 7,8,7,8,5,6,5,6,7,8,7,8.



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VOLUME 5, No. 2 October, 1962

MORE ABOUT THIS FABRIC:

With this set-up and tie-up that we used, we found that the warp float side of the fabric was up when it was being woven. We think it might be easier to weave and keep track of the pattern if you use just the opposite tie-up and the same treadling, and then the weft side should be up when weaving. Some persons might like to do it either way, and actually it will make no difference. I personally feel that with the warp threads up and floating to make the pattern, that it will be easier to keep track of the pattern than if the weft side is up.

This fabric is easy to weave, being just a one shuttle weave, and fairly fast to weave. Because we had a fine warp thread and sett it very closely, the floats of the weft thread are quite short. If you should use this same weave and use a coarse warp, you would probably find that it would be a much more satisfactory weave if you would put a tabby shot after every pattern treadle, thus making it a true overshot weave.

Also there are many other treadling variations that can be worked out for this set-up. A straight 1 to 8 treadling gives a wavy ribbed effect. You could treadle it exactly as it is threaded and obtain still another variation. Still another treadling that should be interesting would be 1,2,1,2,3,4,3,4,5,6,5,6,7,8,7,8,5,6,5,6,3,4,3,4,1,2,1,2.

COST OF THIS FABRIC:

We put up a 7 yard warp, 40" wide, 56 threads per inch. It took 3 of the 6,000 yard spools of the 50/3 cotton. At \$1.80 per spool, our 7 yard warp cost of \$5.40. Thus the warp cost per yard was 77¢ per yard.

For weft on this same amount of material, it took 23 oz. of the 20/1 natural grey linen thread. At \$3.00 per lb., this would bring the weft cost to \$4.31. There were over 6 yards of finished material, so the weft cost per yard of finished material comes to \$4.31. Thus, the individual cost per yard of the weft thread comes to 66¢ per yard.

WARP COST PER YARD. --- .77¢
WEFT COST PER YARD. --- .66¢

FABRIC COST PER YARD -- \$1.43

TIE-UP DRAFT:

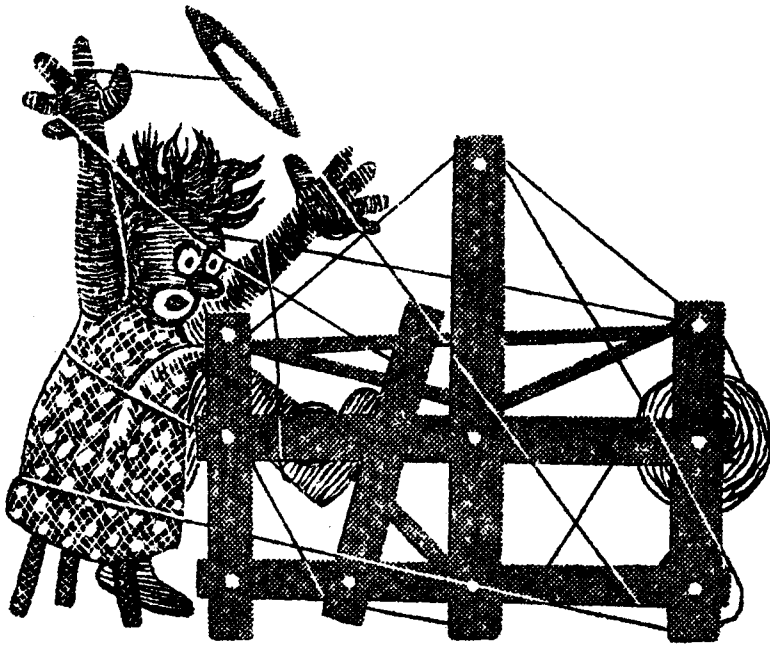
8.	X		X		X		X	X	
7.		X		X		X	X	X	
6.	X		X		X	X	X		
5.		X		X	X	X		X	
4.	X		X	X	X		X		
3.		X	X	X		X		X	
2.	X	X	X		X		X		
1.	X	X		X		X		X	
		1	2	3	4	5	6	7	8

Beautiful smooth 8 ply TUSSAH SILK on approximately 1 lb. cones. \$6.00 per lb. Slightly over 5,000 yards per lb. Excellent for warp or weft. Has the beautiful natural Tussah Silk Color. Robin & Russ, 533 North Adams St., McMinnville, Oregon

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Give a subscription of Drafts & Designs as a Christmas present to your weaving friends. A Christmas card will be provided by Robin & Russ and mailed at your request on gift subscriptions.



DRAFTS AND DESIGNS

A guide for 5 to 12
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VOLUME 5, No. 3 November, 1962

BITTER-ROOT BROWN:

An all wool fabric, for heavy sport shirts, skirts, and light weight sport coats.

WARP:

The warp is Bernat's 18/2's worsted in two colors. They are:
D--Dark Brown, Fabri 18/2 Worsted
B--Beige Fabri 18/2 Worsted.

WEFT:

In the weft, we used two different colors also, one the same as one of the colors in the warp, and the other is a different color:

D--Dark Brown Fabri 18/2 Worsted
G--Gazelle 18/2 Worsted

THREADING DRAFT:

8	D			D			B			B	
7		D		D	D		B		B	B	
6		D	D		D		B	B		B	
5		D			D		B				B
4	B			B		D			D		
3		B	B	B		D		D	D		
2		B	B		B		D	D		D	
1		B			B		D				D

REED USED:

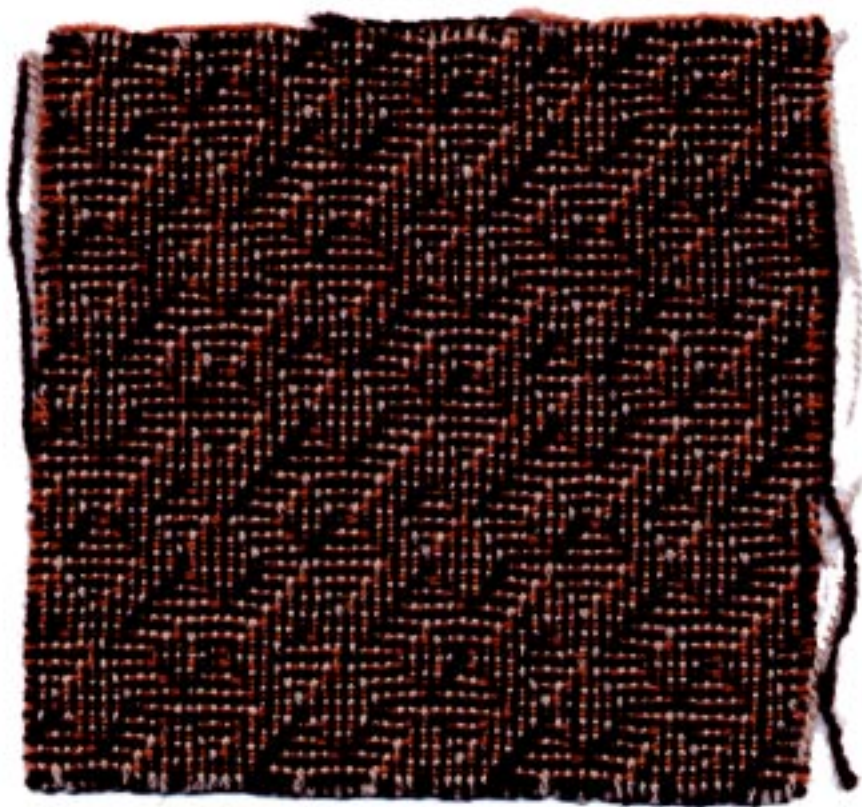
A 15 dent reed was used, and it was double sleyed, 2 ends per dent or 30 threads per inch. There is one dark colored and one light colored thread in each dent of the reed.

SAMPLE

Sample on next page

TREADLING:

In the weft, you alternate a dark thread and a light colored thread. There are two rows of treadling listed, and you do one thread of dark and one of light color as marked below:



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VOLUME 5, No. 3 November, 1962

	Dark Brown	Gazelle
Treadle # 1 and then # 5		
Treadle # 2 and then # 6		
Treadle # 3 and then # 7		
Treadle # 4 and then # 8		
Treadle # 3 and then # 7		
Treadle # 2 and then # 6		
Treadle # 1 and then # 5		
Treadle # 2 and then # 6		
Treadle # 3 and then # 7		
Treadle # 4 and then # 8		
Treadle # 5 and then # 1		
Treadle # 6 and then # 2		
Treadle # 7 and then # 3		
Treadle # 8 and then # 4		
Treadle # 7 and then # 3		
Treadle # 6 and then # 2		
Treadle # 5 and then # 1		
Treadle # 6 and then # 2		
Treadle # 7 and then # 3		
Treadle # 8 and then # 4		

Repeat Treadling over and over.

MORE ABOUT THIS FABRIC:

Mechanically, this fabric is quite easy to weave. However, we should give you a word of caution for when you are weaving. Do not try to talk to someone and to weave at the same time. It is very easy to lose your place in the treadling as it is given, and then if you do lose your place, it is very hard to find it again.

There are several methods of marking your treadling down and keeping track of where you are in the weaving. You will probably find it very convenient if you do use some such system in the weaving of this fabric.

Also, as most of you know, there is quite a bit of elasticity to Fabri

18/2 worsted yarn. Thus, when you weave, you will find it very convenient to keep the fabric wider if you use a temple or stretcher to keep your fabric out to full width. This will eliminate many broken or almost all broken threads, even though you sometimes consider it a nuisance to have to use a temple or stretcher.

Another thing that I wanted to mention is that the treadling is exactly the same as the threading draft, so you might keep this in mind when planning to weave such a fabric.

Also, we should mention that you can do other treadlings other than the one used in this sample. In fact, this fabric or pattern does appear as slightly busy, and I'm sure that other treadlings could be worked out that would not be as busy.

However, you will also find that in the popular fashions of today, that this type of appearance is very popular in women's coats, tailored skirts and in men's sport coats.

Of course, most of you recognize this as a shadow weave, and on this particular fabric, if you just use two colors in the warp and the same two colors in the weft, the pattern will also appear a little more distinctly.

TIE-UP DRAFT

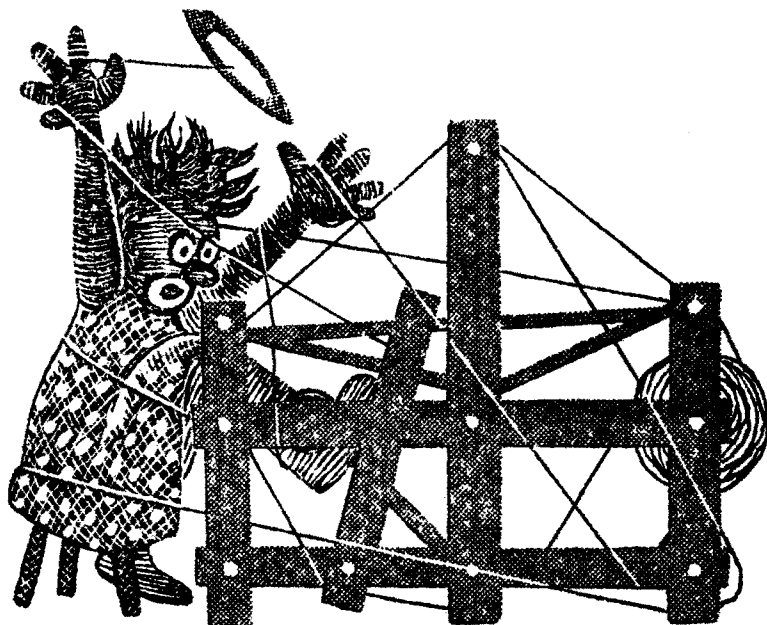
8					X	X	X	X	
7				X	X	X	X		
6			X	X	X	X			
5		X	X	X	X				
4	X	X	X	X					
3	X	X	X						X
2	X	X						X	X
1	X						X	X	X
	1	2	3	4	5	6	7	8	

COST OF THIS FABRIC:

Fabri is \$6.80 per lb. It took 14 oz. of dark brown and beige for a 7 yard warp, 40" wide. It took 10 oz. each of dark brown and gazelle for the weft.

WARP COST PER YARD----- \$1.70
WEFT COST PER YARD----- \$1.30
WARP AND WEFT COST PER YARD--- \$3.00

For a sport coat, 32" wide material, 6 yards of finished material would cost you approximately \$14.40.



DRAFTS AND DESIGNS

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VOLUME 5, No. 4 December, 1962

8 HARNESS HUCK::

An interesting 8 harness weave which is excellent for place-mats, table cloths, drapes, and other similiar materials.

PROFILE DRAFT:

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

MORE ABOUT THE PROFILE DRAFT: In the draft above, each of the X's on harnesses 3,4,5,6,7, and 8 represents 5 threads. The X on harness 2 represents 7 threads.

- X on # 2 means 7 thds, 1,2,1,2,1,2,1.
- X on # 3 means 5 thds, 2,3,2,3,2.
- X on # 4 means 5 thds, 1,4,1,4,1.
- X on # 5 means 5 thds, 2,5,2,5,2.
- X on # 6 means 5 thds, 1,6,1,6,1.
- X on # 7 means 5 thds, 2,7,2,7,2.
- X on # 8 means 5 thds, 1,8,1,8,1.

Thus, you find that one complete repeat of the pattern consists of a total of 82 threads.

WARP THREAD: We used a 40/2 linen in the warp in two colors. A light yellow was the main warp thread which was used on all of the pattern except the # 2 block. The # 2 block was a 40/2 linen in bleached white.

Sample on next page

WEFT USED: The weft thread was a size 20/2 bleached white linen. This was the main pattern thread, and for the 7 rows of tabby in between each pattern repeat, we used a 40/2 bleached white linen.

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

TREADLING SEQUENCE: This looks complicated, but actually isn't. Here is the sequence we used.

7 tabby, starting with # 11 and ending on # 11. 40/2 Linen.

10,1,10,1,10, using 20/2 linen
11,2,11,2,11, using 20/2 linen
10,3,10,3,10, using 20/2 linen



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VOLUME 5, No. 4 December, 1962

11,4,11,4,11, using 20/2 linen
10,3,10,3,10, using 20/2 linen
11,2,11,2,11, using 20/2 linen
10,1,10,1,10, using 20/2 linen
11, one time, 20/2 linen

10,5,10,5,10, using 20/2 linen
11,6,11,6,11, using 20/2 linen
10,7,10,7,10, using 20/2 linen
11,8,11,8,11, using 20/2 linen
10,9,10,9,10, using 20/2 linen
11,8,11,8,11, using 20/2 linen
10,7,10,7,10, using 20/2 linen
11,6,11,6,11, using 20/2 linen
10,5,10,5,10, using 20/2 linen
11, one time, 20/2 linen

10,1,10,1,10, using 20/2 linen
11,2,11,2,11, using 20/2 linen
10,3,10,3,10, using 20/2 linen
11,4,11,4,11, using 20/2 linen
10,3,10,3,10, using 20/2 linen
11,2,11,2,11, using 20/2 linen
10,1,10,1,10, using 20/2 linen

Repeat over and over, starting with the 7 tabby and use 40/2 linen for the 7 tabby, and then the 20/2 linen for all of the rest of the pattern.

MORE ABOUT THIS FABRIC:

One thing that should have been done, was that we should have had this sample washed and pressed, and then it would have had a much nicer appearance. However, it seems that we were lucky to have the sample woven, let alone do this.

Another thing to mention is that when you are weaving a length of this, there is a tendency for the threads in the lace to loosen and the threads in the 7 thread block

of plain between each repeat to tighten up. I don't think you will have any trouble on just one or two table-cloths, but if you should have more, it could possibly cause a little trouble. Actually, when weaving linen, we usually have a little tighter tension if weaving cotton, silk, or wool. Thus, you probably would notice when the threads in the lace portion of the pattern loosen up more than if you had a loose tension to begin with.

Also, when weaving linens of this type, I myself always feel that it is better to use a double beat or at least a tighter beat than you normally would. The reason for this is that linen is naturally a stiffer material to begin with, and so I feel that it requires a double beat to make it as firm as it should be. We set this material up on the loom with a total of 15 repeats of the pattern, plus 7 extra threads to make a white border so that both selvage edges were the same. This made our fabric 41-1/4" wide on the loom. When finished, we found that the finished fabric was a full 40" finished.

TIE-UP DRAFT

8					0		0		0	0		
7						0		0			0	
6							0		0	0		
5				0				0			0	
4			0						0	0		
3		0		0							0	
2		0		0		0		0		0		
1	0		0		0		0		0		0	
		1	2	3	4	5	6	7	8	9	10	11
										A	B	

COST OF THE FABRIC: First of all, let me give the thread costs.

1. 40/2 yellow linen, \$6.40 per lb.
2. 40/2 white linen, \$5.50 per lb.
3. 20/2 white linen, \$5.00 per lb.

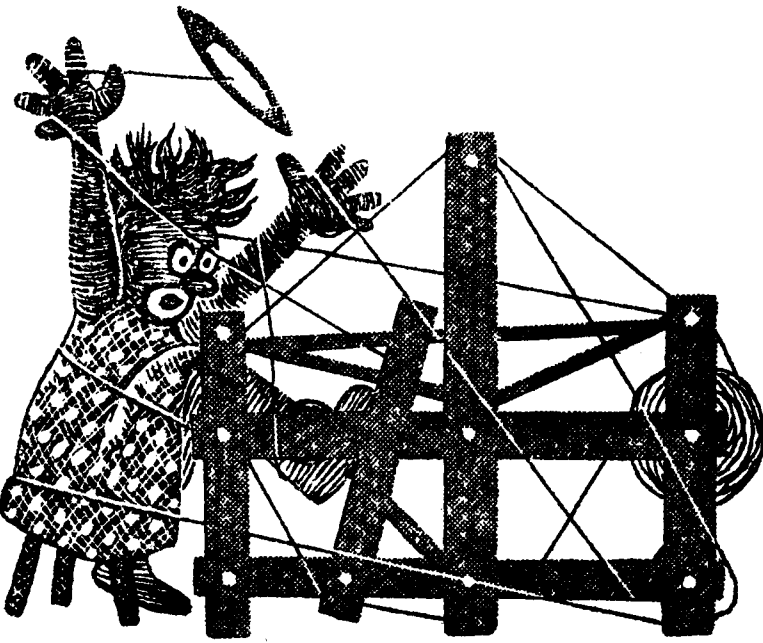
WARP COST PER YARD ** \$1.54

WEFT COST PER YARD ** \$1.80

Fabric Cost per Yard \$3.34

Actually, if you were weaving 40" square table-cloths, you would find that the cost of each of these in the linen would be about \$3.75 each, which when you consider that these are of linen is a reasonable cost.

COST PER 40" Square TABLECLOTH \$3.75



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Volume 5, No. 5

January, 1963

PINK, WHITE AND BLUE:

This is an interesting 8 harness extended point twill pattern that we have used for baby blankets as this month's sample.

WARP:

The warp is a pompadour baby yarn (wool & rayon) in three colors.

- X----WHITE POMPADOUR BABY YARN
- O----PINK POMPADOUR BABY YARN
- B----BLUE POMPADOUR BABY YARN

WEFT:

In the weft, we used the same pompadour baby yarn as was used in the warp. Our sample here is using white entirely for the weft, whereas you could use all three colors in the weft and make a sort of large check pattern.

REED USED:

A 15 dent reed was used, and it was single sleyed, one end per dent, for 15 threads per inch.

THREADING DRAFT:

8	B		B		B													
7		B		B	B		B	X										X
6			B	B		B	B		X									X
5				B			B			X								X
4								X			O			O				X
3									X		O	O		O	O			X
2										X	O		O	O		O		X
1											O		O		O			

SAMPLE

Sample on next page

KEY TO COLORS USED IN THREADING DRAFT:

- X--White Pompadour baby yarn
- O--Pink Pompadour baby yarn
- B--Blue Pompadour baby yarn



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Volume 5, No. 5 January, 1963

MORE ABOUT THE FABRIC:

This is an easy fabric to weave. We had no problems in the weaving except that we used a temple or stretcher to keep this out wider on the loom, when weaving. We had it set-up 39-3/4" wide on the loom, and without the stretcher it tended to weave to about 36"; but using the stretcher, we were able to obtain a full 38" wide material. It might have been even less than 36" without the stretcher.

There were a few knots in the warp and these would not weave. So, when they did pull apart, we used the speedee cement, glued the 2 ends together, and in less than a minute were weaving again.

We put an 11 yard warp on the loom and have woven the last three yards a little differently than our sample. We wove one yard and 3" of all baby blue, the same amount in baby pink, and the third amount of material in a sort of check, using the same number of each of the three colors in the weft as we had in the warp. Thus you can have an all pink blanket except for a faint blue stripe for the girls, an all blue blanket for the boys or one that is pink, blue and white for those friends where the baby is not yet born.

The # 9 and # 10 treadles are the plain weave treadles. However, in the pattern, we used only the 8 pattern treadles. You could use the # 9 and # 10 treadles for a hem, and the first 8 for the pattern if you desire. However, we will have baby blanket binding sewn all around the edge, and this will cover the ends and selvages.

TIE-UP 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	0		0	0	0					0	
3		0		0	0	0			0		
2			0		0	0	0			0	
1				0		0	0	0	0		
	1	2	3	4	5	6	7	8	9	10	
								A	B		

THE TREADLING:

The treadling for this pattern is exactly the same as the threading draft. As we used just a white weft for your sample, here is the treadling we used.

Treadle: 7,6,5,4,3,2,1,2,3,4,3,2,1,
2,3,4,3,2,1,2,3,4,5,6,7,8,7,6,5,6,
7,8,7,6,5,6,7,8.

However if you make a check using the 3 colors as in the warp, here is the treadling:

1. Treadle 7,6,5,4,3,2 all in white
2. Treadle 1,2,3,4,3,2,1,2,3,4,3,2,1 all in pink.
3. Treadle 2,3,4,5,6,7 all in white
4. Treadle 8,7,6,5,6,7,8,7,6,5,6,7,8 all in pink.

Repeat over and over again

COST OF THE FABRIC:

First of all the wool pompadour in the different colors is \$5.40 per lb. It has 2240 yards per lb., and comes in 2 ounce skeins.

For an 11 yard warp, it took 3 lbs. of the pompadour. This was for the 39-3/4" width. This totals \$16.20 for 11 yards or \$1.48 per yard for the warp. It takes 3 skeins of the pompadour to weave about 38 to 39" of finished material, so the weft cost per yard comes to \$2.04.

WARP COST PER YARD----- \$1.48
WEFT COST PER YARD----- \$2.04

FABRIC COST PER YARD----- \$3.52

PLAN FOR 40" WIDE BABY BLANKET:

- 15 pattern repeats-- 570 threads
- First 19 threads of pattern repeated---- 19 threads
- Selvage threaded 2,3,4,5,6,7,8.----- 07 threads

Total Warp Ends----- 596 threads
This makes a warp 39-3/4" wide.

If this plan is used, be sure to read the threading draft from right to left.

DRAFTS AND DESIGNS

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VOLUME 5, No. 6 February, 1963

TREADLING SEQUENCE:

TREADLE 1,11,2,12 for 1-1/4 inches

Treadle 1,3,2,4---two times

Treadle 1,5,2,6---two times

Treadle 1,7,2,8---two times

Treadle 1,9,2,10---two times

Treadle 1,7,2,8---two times

Treadle 1,5,2,6---two times

Treadle 1,3,2,4---two times

End of one repeat. Repeat the whole treadling over again starting with 1,11,2,12, for 1-1/4 inches.

MORE ABOUT THE TREADLING:

Please remember that treadles 1 and 2 are the tabby or plain weave treadles, and on these two treadles we used the 20/2 natural cotton for tabby.

Treadles # 3 through # 12 are the pattern treadles and on these treadles we used the 10/3 tight twisted aqua cotton.

TIE-UP DRAFT:

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

1 2 3 4 5 6 7 8 9 10 11 12

A B

Also, remember that treadles 1,2,11 and 12, are used for the background of this material, and treadles 3,4,5,6,7, 8,9,10 are used to create the pattern in conjunction with the tabby treadles.

PLAN FOR A PLACE-MAT:

For a place-mat set-up, make your warp 14-2/3" wide or a total of 440 warp ends. There are a total of 68 threads in each pattern repeat as A to B is repeated 8 times for 32 threads and then B to C is repeated one time for an additional 36 threads. For these place mats, you will start with A and repeat the complete pattern 6 times for 408 threads. Then, to balance the pattern, you will repeat A to B 8 times for an additional 32 threads. This will make a total of 440 warp ends. Then treadle as directed for bedspread or drapes, etc.

SET-UP FOR PLACE MATS

Thread A to C 6 times or 408 ends

Thread A to B 8 times or 32 ends

TOTAL WARP ENDS 440

MORE ABOUT THIS PATTERN:

This is one of the summer and winter weaves wherein you would normally have an X tie-down and a Y tie-down. You would normally step on the X treadle and the 1st pattern treadle and then you would step on the Y treadle and the 1st pattern treadle. However, instead of having to use both feet and step on two different treadles at one time, we were able to use 12 treadles and eliminate this. We have the X tie-down tied to treadles 3,5,7 and 9. We have the Y tie-down tied to treadles 4,6,8 and 10. With this tie-up, you are able to weave much faster, and it is a much easier weave to keep track of.

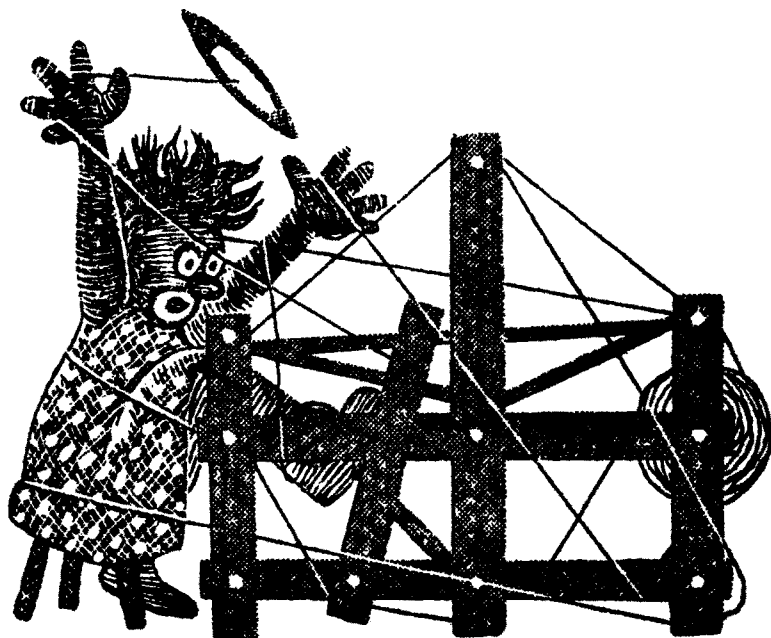
I first wove the sample using the X and Y tie-downs, stepping on Treadle X and pattern treadle 1 together and then Y and pattern treadle 1 together, and when I did this, I started thinking of ways to eliminate this. It can be done if your loom has sufficient treadles.

I will recommend this material for bed-spreads as it has a very short float of the pattern threads, and so thus it is very durable. This would also make excellent upholstery for this same reason, and of course it could be in any materials and any colors you desire. The nice thing about this material is that on one side it is predominantly aqua, and on the other side it is predominantly white, so you can actually use either side. That is why the weave is called "Summer and Winter," and you can reverse the bedspread according to the season.

DRAFTS AND DESIGNS

A guide for 5 to 12
harness weaves

VOLUME 5, No. 7 March, 1963



MRS. NELSON'S SAMPLE:

The sample this month was woven for Drafts and Designs by Mrs. Cornelia W. Nelson, of Omaha 8, Nebraska. It is an 8 harness all wool fabric for coats, suits, skirts, etc.

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					

TIE-UP DRAFT:

8		X	X	X				X		X
7	X		X	X			X		X	
6	X	X		X		X				X
5	X	X	X		X				X	
4				X		X	X	X		X
3			X		X		X	X	X	
2		X			X	X		X		X
1	X				X	X	X		X	
	1	2	3	4	5	6	7	8	9	10.
									A	B.

WARP:

For warp, Mrs. Nelson used the 2/18's FABRI, color # 2716, Gazelle.

WEFT:

For weft, Mrs. Nelson wove with the FABRI, 2/18's in color # 2717, Cocoa.

SAMPLE

Sample on next page

REED USED:

A 12 dent reed was used and it was double sleyed, 2 ends per dent, or 24 threads per inch.

TREADLING:

In this sample, the treading is a relatively simple one, as listed here. It was treadled 8,7,6,5,8,7,6,5,4,3,2,1,4,3,2,1. Repeat over and over.

On this same set-up, you could do several other interesting treadlings. One you might enjoy is to treadle 1,2,3,4,3,2,1,8,7,6,5,6,7,8 and repeat. Still another satisfactory treading would be to treadle 8,7,6,5,4,3,2,1.



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VOLUME 5, No. 7 March, 1963

You should do some experimenting yourself on a set-up like this, to see what other interesting effects can be achieved. I'm sure that some other striking effects other than those given could be easily achieved.

MORE ABOUT THIS FABRIC:

This fabric was woven without any special selvage threading. However, you could thread it 8,7,6,5,4,3,2,1 on the one edge and reverse it on the other edge for a little neater selvage.

The material was set-up 40" wide at 24 per inch, so there was a total of 960 warp ends. Thus, it took 1½ lbs. of fabri for warp, for a 7½ yard warp. For weft, it should take slightly less than this amount.

I should mention that Mrs. Nelson said that this fabric tended to pack in a little more than usual when she was weaving it, so it might possibly take just a little more thread than was used for warp, but with warp waste of about 18 to 24 inches, I should think that 1½ lbs. would almost be enough.

This fabric could perhaps be made even more effective by using three colors, rather than two as in this sample. I would suggest that you have one color in the warp, and use two different colors in the weft, one for each of the two blocks or repeats of the pattern in the weave. This would make alternate blocks of color in the weft, which probably would add even more interest. Of course, you could carry this even further, and have two colors in the warp and two colors in the weft. This would give you 4 different colored blocks in your fabric for each pattern repeat as we have given

it. Once you get started on something like this, you can begin to see all kinds of possibilities.

Mrs. Nelson is a commercial weaver in Omaha, Nebraska, and if I remember correctly, she is also a school teacher. She suggested weaving this sample for Drafts and Designs, and we are very grateful to her for doing so. She did, at one time, specialize in Ecclesiastical weaving, but do not know whether she is still doing this or not. At one time she worked with Mr. Nelson in what was known as Whistler-Nelson Studios.

COST OF THE FABRIC:

Fabri is Bernat's fine quality 2/18's worsted yarn which has 4800 yards per lb. It is \$6.80 per lb. if one lb. or more of a color is purchased. If less than a lb. of a color is desired, it is \$1.00 per 2 oz. skein.

In this fabric, it took approximately 1-1/2 lbs. of fabri for warp, so at \$6.80 per lb., this makes the warp come to \$10.20 for 7½ yards, 40" wide, or actually \$1.36 per yard.

Using the same amount of thread in the weft would cost another \$10.20, and I would plan on about 6-3/4 yards of finished material off the loom. Thus, the weft would come to \$1.51 per yard.

WARP COST PER YARD-----	\$ 1.36
WEFT COST PER YARD-----	1.51
<u>FABRIC COST PER YARD-----</u>	<u>\$ 2.87</u>

ADVERTISEMENT

RAMIE RAMIE

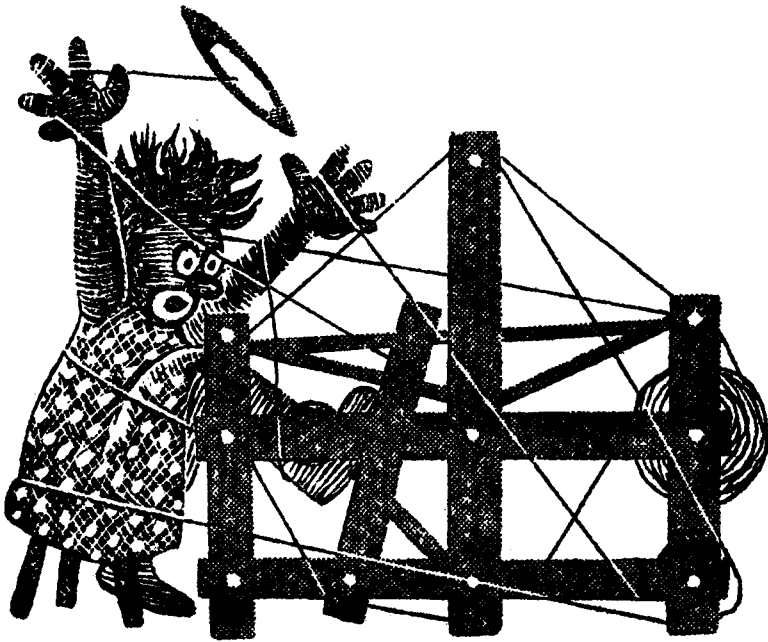
Just arrived is a 1,000 lb. shipment of beautiful quality ramie in 3 sizes.

20/2 Natural Ramie, 3,000 yards per lb. on 1 lb. cones \$3.20 lb.

20/2 BLEACHED RAMIE, 3,000 yards per lb. on 1 lb. cones \$3.20 lb.

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This is the nicest quality ramie we have ever had, being extra smooth, with more sheen than usual. It is the longest staple fiber available and the best quality available on the market. It is approximately \$1.00 to \$1.50 less than a comparable linen thread in the same size.



DRAFTS AND DESIGNS

A guide for 5 to 12
harness weaves

VOLUME 5, No. 8

April, 1963

A FINNISH BEDSPREAD PATTERN:

This is a very interesting 8 harness pattern that would work out very well for bed-spreads and for drapery.

WARP:

The warp is our new superior quality 40/2 Bleached White Ramie. It comes on 1 lb. cones, has 6,000 yards per lb. and is \$4.50 per lb.

WEFT:

The weft thread is the new superior quality Natural 20/2 RAMIE thread. It has 3,000 yards per lb., is available on 1 lb. cones and is \$3.20 per lb.

REED USED:

A twelve (12) dent reed was used and it was triple sleyed, or 3 ends per dent or 36 threads per inch.

THREADING DRAFT:

8	8		8	8		8		8
7	7		7	7	7	7	7	7
6	6		6		6	6	6	6
5	5		5		5	5	5	5
4	4		4	4	4	4	4	4
3	3	3			3	3	3	3
2	2	2			2	2	2	2
1		1	1		1			1
	Selv.							Selv.



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VOLUME 5, No. 8 April, 1963

TIE-UP DRAFT:

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

THE TREADLING SEQUENCE:

The treadling sequence in this sample
is very similar to the threading draft,
but there is just a little variation.
Here is the sequence that we used.

8,7,6,7,6,5,6,5,4,5,4,3,4,3,2,3,2,1,
2,3,4,5,6,7,8,1,4,7,4,1,8,7,6,5,4,3,
2,1,2,3,2,3,4,3,4,5,4,5,6,5,6,7,6,7,
and then repeat over and over.

If you desire a more balanced weave,
then treadle exactly as the threading
draft given above. However, be sure to
ignore the selvage as we gave it above,
and only treadle the main body of the
threading draft above.

MORE ABOUT THE FABRIC:

One problem that you always have to
cope with when weaving with ramie is
that it is slightly fuzzy. The warp
on this was sett 36 per inch, quite
close, so to compensate for the fuzzi-
ness, I suggest that you step on your
treadle and beat with your shed open;
change to the next shed with your
beater still forward, beat the second
time, and this will then help clear
your shed. I think that this will
eliminate 99% of any problems caused
by this characteristic of Ramie.

The 40/2 warp used on this sample
is exceptionally nice quality ramie.
The 20/2 natural is a nice quality also,
and they are both what we would norm-
ally call a long staple fiber, or the
best quality ramie that is available.
It seems strange to me, but whenever
the ramie thread has been bleached
white in both 40/2 and 20/2, I find
that it tends to loose much of the
fuzziness that we mentioned above, but
the ramie in the natural still has this
quality. So, perhaps if you wove this
in all white, instead of natural and
white, you would find it easier to weave.

Another thing that I want to mention
is that this has a softer feel than if
you wove the same material of linen.
Even so, it will wash much easier than
linen will, and is easy to press, and
will will withstand more wear than linen
will. Thus, besides bedspreads, this
pattern and fabric would make excellent
drapery material. Another very pleasing
thing about this fabric is the cost.

COST OF THE FABRIC:

We had a 40" wide warp, 36 threads per
inch, and it took 1 lb. 12 oz. for a
7 yard warp. Thus the warp cost per
yard comes to \$1.13 per yard for 40"
width material.

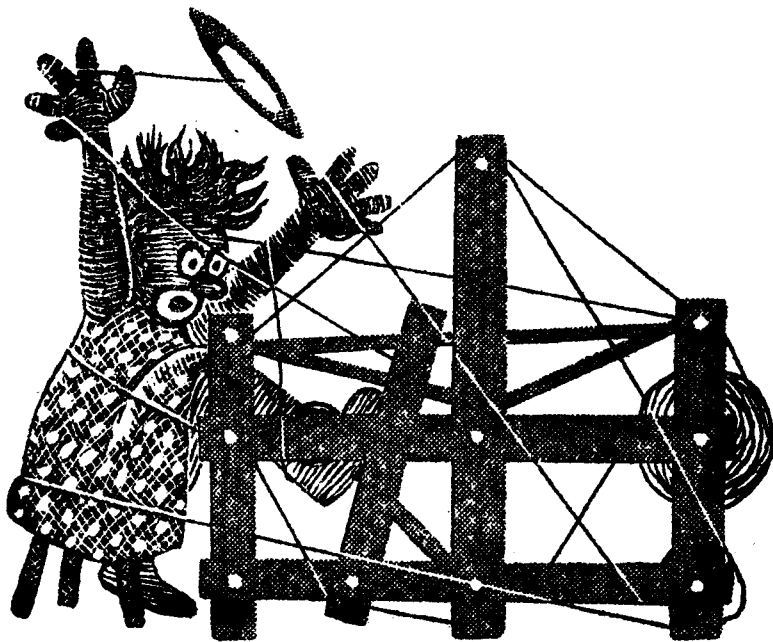
In the weft, it took 2 lbs. 8 oz. of
the 20/2 natural ramie at \$3.20 per lb.
and from 6½ yards of finished material,
we find that the warp cost comes to
\$1.23 per yard.

WARP COST PER YARD-----	\$1.13
WEFT COST PER YARD-----	\$1.23
Fabric Cost PerYard-----	\$2.36

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Oregon



DRAFTS AND DESIGNS

A guide for 5 to 12
harness weaves

VOLUME 5, No. 9, May, 1963

FLAME AND CORAL:

An interesting all wool fabric in 2/18's Worsted Fabri for coat material or tailored suiting. The pattern is an variation of an 8 harness extended point twill, and the idea for the fabric came from an old finish weaving magazine of about 1935.

WARP:

The warp is 2/18's Fabri worsted yarn in three different colors. The colors are:

1. # 2732, Coral
2. # 2733, Lacquer Red
3. # 2734, Crimson

WEFT:

The same three colors were also used in the weft as were used in the warp.

REED USED:

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

THREADING DRAFT:

8		R			C		M	8
7		R			C		M	7
6		R			C		M	6
5		R			C		M	5
4	M		M	M			M	4
3	M M		M M				M	3
2	M M		M M				M	2
1	M M		M				M	1
	1 time	6 times	1 time	6 times			SELVAGE	

KEY TO COLORS IN THREADING DRAFT:

M--Crimson, 18/2 worsted
R--Lacquer Red, 18/2 worsted
C--Coral, 18/2 worsted



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VOLUME 5, No. 9, May, 1963

TREADLING SEQUENCE:

I might mention that the treadling sequence that we used was exactly the same as the threading draft; but----- I should also mention that there are some other very interesting treadlings that can be worked out on this set-up. We hope you will do some experimenting. Here is the treadling as we did it.

1. Treadle: 8,7,6,5---6 times in Coral
2. Treadle: 4,3,2,1,2,3,4---1 time in the Crimson color.
3. Treadle: 5,6,7,8---6 times in the Lacquer Red Color.
4. Treadle: 1,2,3,4,3,2,1----one time using the Crimson color.

END OF ONE TREADLING REPEAT. Repeat over and over as desired.

TIE-UP DRAFT:

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

MORE ABOUT THIS FABRIC:

We had a total of 1256 warp threads in our warp, making the warp 41-1/2" wide. We had 1248 ends of the worsted warp, and on each side, we had 4 cotton selvage threads, a total of 1256 ends in all. If you use a cotton selvage as we did here, you find that the fabric weaves about 1" or more wider than it normally would without the cotton selvage. Also, we wound the 4 selvage threads on each edge on a separate spool, wrapped the threads

around the warp beam once and then threaded them through the harnesses and reed. Thus, the cotton selvage threads maintain their own separate tension from that of the wool. This is I feel quite essential to make for successful weaving. If you have the selvage ends wound on the warp beam with the wool, you will find that there will be a different tension with the cotton than with the wool, quite often resulting in broken selvage threads. Also, on this fabric, we used a temple or stretcher to keep the material as wide as possible. The stretcher points or tips were stuck in the 4 cotton selvage threads, and this also was much easier to handle because of the cotton selvage threads.

Another interesting thing that came to our attention and which we wanted to tell you about was the fact that the Coral colored fabri seemed to be softer than the other fabri and also it had a little less yardage per skein than did the other colors of fabri. I believe that this is all entirely due to the chemical contents of the dyes used to dye the various colors. I feel that some chemicals cause the worsted to shrink slightly more than others; and also that some chemicals tend to make the wool harsh or soft, according to the chemicals used. This was the case in this fabric.

There was no problem whatsoever in the weaving of this, and it was very fast and easy weaving.

COST OF THE FABRIC:

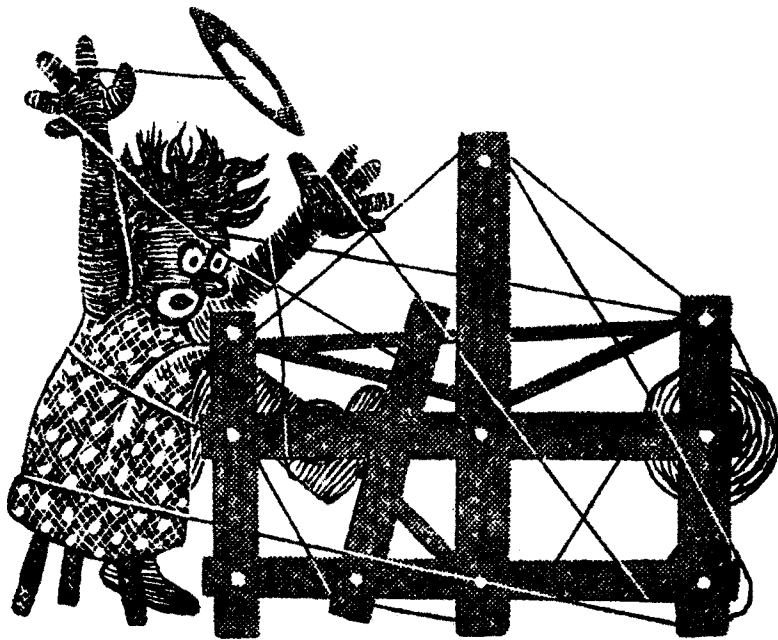
A 7 yard warp was used 41-1/2" wide and in the warp it took 7 oz. of the Crimson, 13 oz. of the Coral, and 12 oz. of the Lacquer Red. The fabri is \$6.80 per lb., or \$1.00 per 2 oz. skein if less than 1 lb. of a color is purchased. The price here for the fabric for warp and weft cost is based on the \$6.80 per lb. cost. Thus it took in all, 2 lbs. of fabri for the warp. This made the warp cost \$13.60 for 7 yards of 41 1/2" wide material, or \$1.95 per yard.

In the weft it took 5 oz. of Crimson, 7 1/2 oz. of Coral and 6 1/2 oz. of Lacquer Red, or a total of 19 oz. or a cost of \$8.08 for the weft. We have slightly over 6 yards---almost 6 1/2 of weft or finished fabric, so the cost for the weft would be \$1.25 per yard.

WARP COST PER YARD----- \$ 1.95

WEFT COST PER YARD----- \$ 1.25

FABRIC COST PER YARD for a 40 1/2" wide finished material came to \$3.20 per yard.



DRAFTS AND DESIGNS

A guide for 5 to 12
harness weaves

VOLUME 5, No. 10

June 1963

SCOTCH BROOME:

An interesting 8 harness weave for suiting and tailored skirts. The colors were inspired by the flowers and stems of the Scotch Broome, one of the interesting wild flowers and sometimes pest, that you see so often in the spring in the Pacific Northwest.

THREADING DRAFT:

8	A		
7		B	
6			B
5		A	
4			A
3			B
2			B
1			A

KEY TO THREADS USED IN THE WARP:

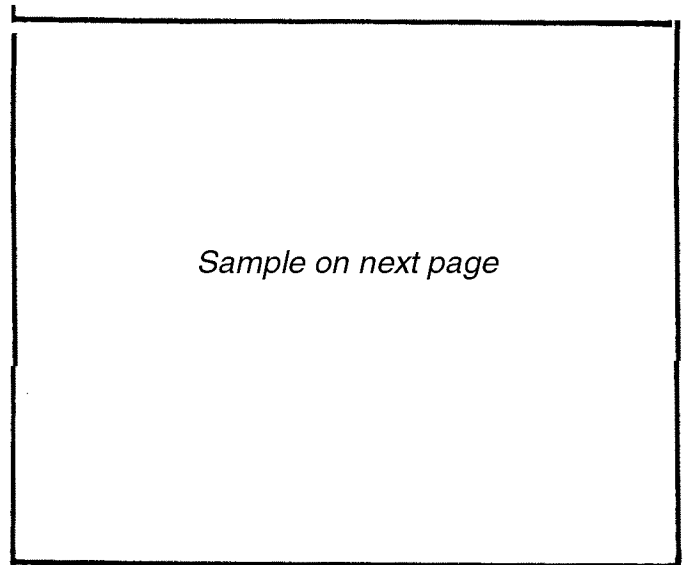
- A. Woodpecker yarn, color # 101
- B. Tweed yarn, color # 1

WARP:

The warp thread is actually a combination of two threads, a tweed and a homespun yarn as they would normally be called. However, they go by the trade name of Woodpecker for the tweed yarn and Tweed for the homespun yarn. They are both single ply threads, which many people do not normally use as a warp in their handweaving. Both have about 2700 yards per lb., and are \$6.80 per lb., or 85¢ per 2 oz. spool.

WEFT:

The same two threads were used in the weft that were used in the warp.



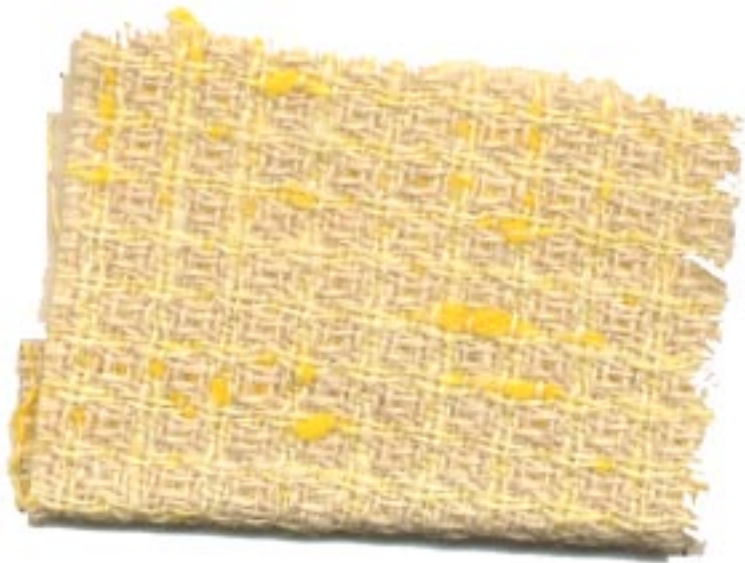
Sample on next page

REED USED:

A 10 dent reed was used and it was double sleyed, 2 ends per dent, or 20 threads per inch.

TIE-UP DRAFT:

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



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VOLUME 5, No. 10 June 1963

TREADLING SEQUENCE:

Treadle # 1--Woodpecker # 101
Treadle # 2--Tweed # 1
Treadle # 3--Tweed # 1
Treadle # 4--Woodpecker # 101
Treadle # 5--Woodpecker # 101
Treadle # 6--Tweed # 1
Treadle # 7--Tweed # 1
Treadle # 8--Woodpecker # 101

MORE ABOUT THE FABRIC:

First of all, let me tell you more about the woodpecker and tweed yarns. As we mentioned, many persons are afraid to use a single ply thread of this type as a warp thread. However, in our 7 yard warp for this fabric, using both the tweed and woodpecker for warp, we had only two broken threads in the entire 7 yards of warp, and these two were knots that would not go through the reed without pulling apart.

Secondly, many people would have their main trouble with such a fabric on the selvage edges. There are two ways of overcoming this, and one of them would or should be used. First there is the use of a temple or stretcher which eliminates much of the trouble with broken selvage threads. Second, there is the possibility of using 4 selvage threads of a different material which is much stronger than the wool yarn used. However, if you do this, you should wind these extra 4 threads on each side to a separate spool, wrap around the warp beam and then bring through the heddles and reed. This spool is allowed to hang free so that these 4 selvage threads seek their own tension. If wrapped on the warp beam with your wool warp, you would find that even these selvage threads

break. I would definitely suggest that you do use either of these two methods to obtain a better selvage edge.

Another thing that is brought to mind is that many persons seem to think that the woodpecker and tweed yarns are too stiff and scratchy for skirts, coats, suits, etc. However, I find the direct opposite. *THERE IS ONE THING THAT MUST BE DONE TO MAKE IT SOFT AND NOT SCRATCHY.* The finished yardage must be thoroughly washed and perhaps washed even two times; or it should be finished by a processing company who specialize in finishing woven yardages. One such company on the west coast has offices in all the major cities and they do a beautiful job of processing woven yardage. They normally charge about 25¢ to 50¢ per yard plus shipping to and from the company. The company that I'm referring to is the Geltman Spinging Company.

AVAILABILITY OF THESE THREADS:

The woodpecker and tweed yarns were furnished for this fabric by HUGHES FAWCETT, INC. of Dunellen, New Jersey and are available directly from them or from many of their distributors throughout the country. We are one of the distributors for these threads and try to stock the more popular colors all the time. There are 16 colors available in the tweed and the woodpecker yarns.

COST OF THIS FABRIC:

The woodpecker and tweed yarns are \$6.80 per lb. It is available on two ounce spools.

In this fabric, it took 1 lb and 12 ounces of thread for warp. Thus, the warp cost for 39-1/2 to 40" wide material is \$11.90 for a 6 yards of finished fabric or a 7 yard warp. Using the 7 yard warp figure, we find that the warp per yard cost \$1.70.

As you notice in the figures given, it took more thread in the weft than in the warp. Thus, in the weft, we used 2 lbs. 8 oz. of the two yarns. This comes to \$17.00. We had about 6 yards of actual finished material, and find that this costs approximately \$2.80 per yard. Thus the entire fabric cost was \$1.70 plus \$2.80 or \$4.50 per yard.