

drafts and designs

a guide for 5 to 12 harness weaves

Volume 12, Number 1, September, 1969

A SWISS MISS'S PATTERN:

This interesting pattern is one that we came across in Switzerland, on our trip this past May. It was from the HANDWEAVERS OF ZWEISIMMEN, and one of the employees there was Miss Vreni Jutzeler. She kindly gave us the pattern, and we purchased a tablecloth of it from her. The tablecloth is done in natural and light yellow linen, and we still have it. This tablecloth was about 60" wide, by 90" long.

WARP:

Our warp is a 20/2 Mercerized Ramie thread in a new color called Indian Orange.

WEFT:

The weft thread is a 20/2 Mercerized Ramie thread, called Pennant Red. It also is a new color just added to our line.

REED USED:

In the weaving of our sample, we used a 10 dent reed, and triple sleyed it, 3 ends per dent, or 30 threads per inch. You could also use a 15 dent reed, and double sley it, 2 ends per dent, or 30 threads per inch.

TREADLING SEQUENCE

Note that the treadling sequence is exactly the same as the threading draft. We will just give the treadling here, one thread after another, separated only by a comma, and remember that just one thread



was used in the weft, and it was the Pennant Red Mercerized Ramie.

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

There are 82 threads in one complete pattern repeat of the treadling, just as there are 82 threads in one complete repeat of the threading draft.

- - -

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 12, Number 1 - - - September, 1969

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	

THREADING DRAFT:

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

End

COST OF THE THREADS USED:

The 2 colors of 20/2 Mercerized Ramie come on 1 lb. cones. They are \$5.40 per lb., or if you wish it on 4 oz. tubes of 750 yards each, it is \$1.50 per 4 oz. tube of these colors. This ramie has been mercerized for greater strength, and more sheen, and makes a beautiful fabric.

COST OF THE FABRIC:

We had a 15 yard warp, 42" wide on the loom, or 1260 warp ends. It took 6 lbs., 11 oz. of the Indian Orange Ramie for the warp, so thus the total warp cost was \$35.70 for the 15 yards of 42" width material. The cost per yard of the warp is \$2.38 per yard.

We received 13 yards of finished fabric from this 15 yard warp. Thus, with take-up in weaving, and loom waste, we lost two of the 15 yards of warp.

It took 4 lbs. 9 ounces of the Pennant Red mercerized 20/2 ramie for the weft, at a cost of \$24.63. Breaking it down to cost per yard, it comes to \$1.89 per yard.

- WARP COST PER YARD, 42" WIDE..... \$ 2.38
- WEFT COST PER YARD, 40" WIDE..... 1.89
- FABRIC COST PER YARD, 40" WIDE.... \$ 4.27

MORE ABOUT THIS FABRIC:

First of all, it is important that you use a firm even, tight, double beat. You should throw your shuttle through the shed,

beat with shed still open; close the shed and open the next one on the next treadle and beat again firmly.

You could even use a triple beat on this if you wished, beating twice on the opening of the new shed, before you throw the shuttle through. It is important to make it a firm and even fabric. It would be beautiful for tablemats, tablecloths, and would even make beautiful drapes and could also be used in upholstery.

We used a 10 dent reed, 3 ends per dent, taking a chance that the 3 ends per dent might make it a ribbed fabric. It didn't do this, and so we felt that it was easier to beat tighter with the 10 dent reed, 3 ends per dent, than using a 15 dent reed, 2 ends per dent.

SOME INTERESTING BOOKS AVAILABLE

With the great growth of interest in stitchery and needlepoint, there have been some excellent ones published lately on these subjects. THE STITCHES OF CREATIVE EMBROIDERY, by Enthoven at \$7.95 is an excellent book. Also, her book STITCHERY FOR CHILDREN is excellent. Still another stitchery book that I think is outstanding is ADVENTURES IN STITCHES by Mariska Karasz. The pictures and directions in it are so clear and look easy to follow. It is \$7.50 and is well worth it.

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 12, Number 2 - - OCTOBER, 1969

TIE-UP DRAFT:

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

TREADLING SEQUENCE:

There are 44 threads in each complete treadling repeat of the pattern, as follows:

1. Treadle #1 - Gold Gold
2. Treadle #2 - Honeydew Maize
3. Treadle #1 - Gold Gold
4. Treadle #2 - Honeydew Maize
5. Treadle #3 - Gold Gold
6. Treadle #4 - Honeydew Maize
7. Treadle #5 - Gold Gold
8. Treadle #6 - Honeydew Maize
9. Treadle #5 - Gold Gold
10. Treadle #6 - Honeydew Maize
11. Treadle #7 - Gold Gold
12. Treadle #8 - Honeydew Maize
13. Treadle #7 - Gold Gold
14. Treadle #6 - Honeydew Maize
15. Treadle #5 - Gold Gold
16. Treadle #6 - Honeydew Maize
17. Treadle #5 - Gold Gold
18. Treadle #4 - Honeydew Maize
19. Treadle #3 - Gold Gold
20. Treadle #2 - Honeydew Maize
21. Treadle #1 - Gold Gold
22. Treadle #2 - Honeydew Maize
23. Treadle #1 - Gold Gold
24. Treadle #2 - Gold Gold
25. Treadle #1 - Honeydew Maize
26. Treadle #4 - Gold Gold
27. Treadle #3 - Honeydew Maize
28. Treadle #4 - Gold Gold
29. Treadle #3 - Honeydew Maize
30. Treadle #6 - Gold Gold

31. Treadle #5 - Honeydew Maize
32. Treadle #8 - Gold Gold
33. Treadle #7 - Honeydew Maize
34. Treadle #8 - Gold Gold
35. Treadle #7 - Honeydew Maize
36. Treadle #8 - Gold Gold
37. Treadle #5 - Honeydew Maize
38. Treadle #6 - Gold Gold
39. Treadle #3 - Honeydew Maize
40. Treadle #4 - Gold Gold
41. Treadle #3 - Honeydew Maize
42. Treadle #4 - Gold Gold
43. Treadle #1 - Honeydew Maize
44. Treadle #2 - Gold Gold

END OF ONE COMPLETE PATTERN REPEAT, repeat over and over as desired.

Note that the first 23 threads do alternate colors, and then all of a sudden on the 24th thread in the pattern, you change the sequence, and alternate for the rest of the treadling for the balance of the pattern. In other words, you alternate Dark and Light for 23 threads, and then you have light and dark for the balance of the 44 threads.

COST OF THE THREADS USED:

The mercerized ramie comes on 1 lb. cones, with 3,000 yards per lb. for the 20/2 size. It is \$5.40 per lb., or if you purchase it in 4 oz. tubes of 750 yards each, it is \$1.50 per 4 oz. tube. There are about 12 colors available in this mercerized ramie.

COST OF THE FABRIC:

This fabric was set up 42" wide on the loom. It took 11,520 yards of thread for the warp, or 12,000 yards would be 4 pounds for our 9 yard warp. Thus the total warp cost for 9 yards would be \$21.60 or the cost per yard would be \$2.40 per yard.

In the weft it took approximately 3 lbs. of 20/2 mercerized ramie for weft in 8 yards of fabric. Thus, the weft cost was \$16.20 or the cost per yard of the 8 yards of finished weft was \$2.03 per yard.

WARP COST PER YARD.....	\$ 2.40
WEFT COST PER YARD.....	2.03
<u>FABRIC COST PER YARD, 42" WIDE</u>	<u>\$ 4.43</u>

MORE ABOUT THIS FABRIC:

Yes, once again, it is important that you have a firm, even, double beat. Beat with shed open, change the shed to the next treadle and beat again, and then throw the shuttle. This is most important.



drafts and designs

a guide for 5 to 12 harness weaves

Volume 12, Number 3 - November, 1969

BANANA GOLD

This interesting 5 harness weave has a floating warp thread on the fifth harness, that makes it distinctive and interesting.

TIE-UP DRAFT:

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

WARP THREADS USED:

There were two threads used in the warp. One was the heavy thread, which is 2/2 spun rayon in the color called BANANA.

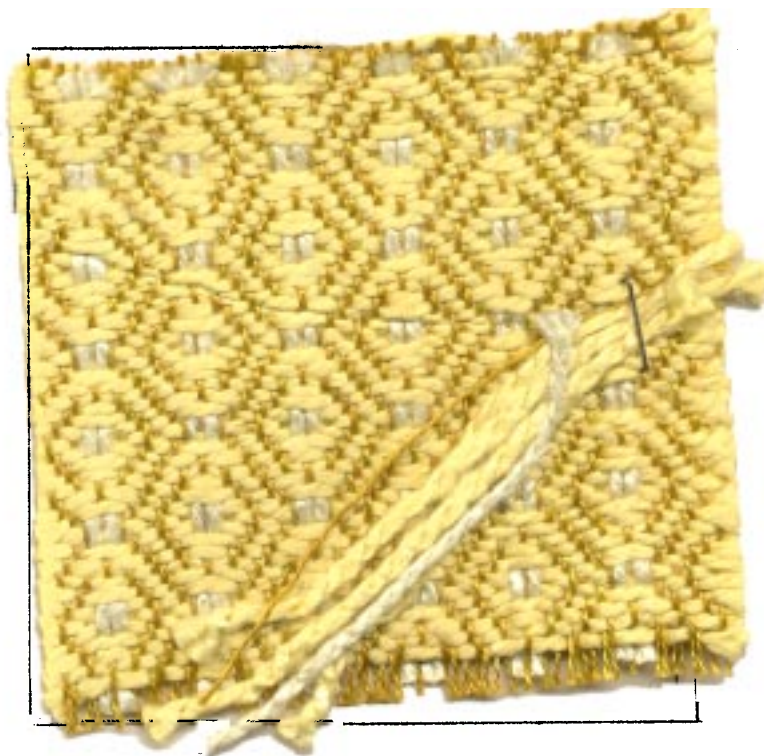
The other warp thread was the 20/2 mercerized Ramie in the color which is called BRONZE GOLD.

WEFT THREADS USED:

Just one thread was used in the weft, and it was also a 2/2 spun rayon in a color called YELLOW LEMON.

THREADING DRAFT:

5	0	0				0	0		
4		X			X			X	
3				X		X			X
2			X		X			X	X
1		X		X		X		X	X



REED USED:

A special sleying of the reed was used and you will see the directions below. The reed used was a 12 dent, and it was partially double sleyed and single sleyed.

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 12, Number 3 - November, 1969

SLEYING OF THE REED

Reading the pattern from right to left as
is always done with a threading draft, here
is the sleying as was used in the 12 dent
reed.

1. 1st dent - 2 ends 20/2 Ramie
2. 2nd dent - 2 ends 20/2 Ramie
3. 3rd dent - 2 ends 20/2 Ramie
4. 4th dent - 2 ends 20/2 Ramie
5. 5th dent - 1 end 2/2 spun rayon
6. 6th dent - 1 end 20/2 Ramie
7. 7th dent - 1 end 2/2 spun rayon
8. 8th dent - 2 ends 20/2 Ramie
9. 9th dent - 2 ends 20/2 Ramie
10. 10th dent - 2 ends 20/2 Ramie
11. 11th dent - 2 ends 20/2 Ramie
12. 12th dent - 1 end 2/2 spun rayon
13. 13th dent - 1 end 20/2 Ramie
14. 14th dent - 1 end 2/2 spun rayon

End of one complete sleying repeat.
Sley the pattern in the reed over and over,
just as has been indicated above.

TREADLING SEQUENCE:

1. Treadle #2 - 2/2 spun rayon
2. Treadle #3 - 2/2 spun rayon
3. Treadle #4 - 2/2 spun rayon
4. Treadle #1 - 2/2 spun rayon
5. Treadle #2 - 2/2 spun rayon
6. Treadle #7 - 2/2 spun rayon
7. Treadle #6 - 2/2 spun rayon
8. Treadle #7 - 2/2 spun rayon
9. Treadle #2 - 2/2 spun rayon
10. Treadle #1 - 2/2 spun rayon
11. Treadle #4 - 2/2 spun rayon
12. Treadle #3 - 2/2 spun rayon
13. Treadle #2 - 2/2 spun rayon
14. Treadle #5 - 2/2 spun rayon
15. Treadle #6 - 2/2 spun rayon
16. Treadle #5 - 2/2 spun rayon

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

IDEA FOR THIS SAMPLE

The idea for this sample came from the
Contemporary Handweavers of Texas bulletin,

and was some patterns that were worked by
Rudolph Fuchs, one of the members of the
Contemporary Handweavers of Texas. We have
taken liberties with the choice of materials
the sleying, and worked out one treading
that we liked.

MORE ABOUT THIS SAMPLE

First of all, let us tell you that we
have just given you one treading sequence,
but that this is quite a versatile pattern,
and you could work out other treading vari-
ations on this set-up with the tie-up that
we have given you. Notice for instance, in
the tie-up that we did not use treadle #8 at
all, but it could be worked in with one of
your treading variations.

Also, notice that on the back, the thread
on harness #5 does float, and it is only
tied in by six threads of the sixteen in the
complete treading sequence. On this par-
ticular sample, some of you might like the
back better than the front, and it would be
useable on drapes, pillows, etc. However,
on the upholstery use for such a pattern,
you would have to use the side that shows
on the sample.

This is a very versatile pattern, and
you could use an exotic thread as the float
thread in coat or suit material, and use
fine wool as the balance. You could do this
in all linen for table cloths and place-mats,
and I think that coarse heavy wool would make
exciting drapery material. And this does
not cover the many, many new threads that
have become available to us in the man-
made fibers during the past 10 years.

The only problem or suggestion in the
weaving of this fabric is that we think you
should use a firm, even, double beat.

COST OF THE THREADS USED:

The 20/2 Mercerized Ramie in the Bronze
Gold color comes on 1 lb. tubes and it is
\$5.40 per lb. Or, you can get it on 4 oz.
spools at \$1.50 per 4 oz. spool. It has
3,000 yards per lb.

The 2/2 spun rayon used in the warp and
the weft comes in about 14 colors, and it
has 840 yards per lb., and the price is
\$3.20 per lb. It comes on about 2 lb.
cones, but we have been winding it off
onto 1/2 lb. tubes.

* * * * *

* * *



drafts and designs

a guide for 5 to 12 harness weaves

Volume 12, Number 4 - December 1969

TANTALIZING TEAL WITH BLUE AND GREEN

This fabric was designed with the thought in mind that it would make nice coat material.

WARP THREADS USED:

In the warp are two colors of the 2/18's worsted, which we had spun to order in England to resemble fabri as best as possible. We used the Grenadier Blue and also the Chantilly Green in the warp.

The other warp thread used is the light and dark teal colors, in the beautiful 2 ply English Rug Yarn. The light one is color #F-146, and the darker teal is the #F-148.

WEFT THREADS USED:

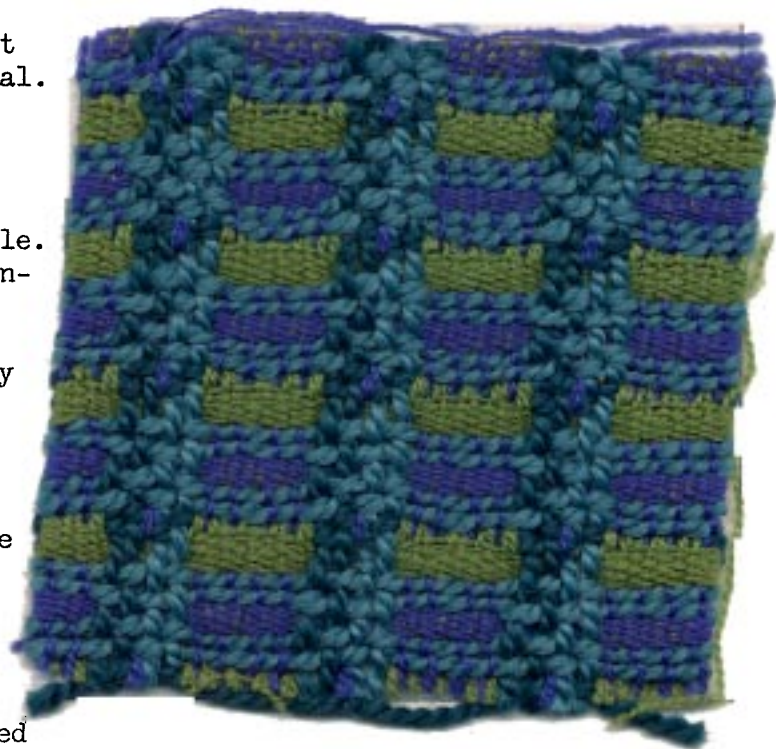
The same four threads as were used in the warp, were also used in the weft.

REED USED:

A 12 dent reed was used, and it was sleyed 2 ends per dent for the 2/18's English Fabri-type worsted, and it was sleyed 1 per dent, for the English Rug Wool.

THREADING DRAFT:

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



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 12, Number 4 - - December, 1969

KEY TO THREADS IN THREADING DRAFT:

- X - 2/18's worsted, Grenadier Blue
- O - 2/18's worsted, Chantilly Green
- A - Light Teal, #146, 2 ply rug wool
- B - Dark Teal #148, 2 ply rug wool

TIE-UP DRAFT

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

TREADLING SEQUENCE:

1. Treadle #6 - Lt. Teal 146
2. Treadle #5 - Lt. Teal 146
3. Treadle #4 - 2/18's Chantilly Green
4. Treadle #3 - 2/18's Chantilly Green
5. Treadle #4 - 2/18's Chantilly Green
6. Treadle #3 - 2/18's Chantilly Green
7. Treadle #4 - 2/18's Chantilly Green
8. Treadle #3 - 2/18's Chantilly Green
9. Treadle #4 - 2/18's Chantilly Green
10. Treadle #3 - 2/18's Chantilly Green
11. Treadle #2 - Dark Teal 148
12. Treadle #1 - Dark Teal, 148
13. Treadle #6 - Lt. Teal 146
14. Treadle #5 - Lt. Teal 146
15. Treadle #4 - 2/18's Grenadier Blue
16. Treadle #3 - 2/18's Grenadier Blue
17. Treadle #4 - 2/18's Grenadier Blue
18. Treadle #3 - 2/18's Grenadier Blue
19. Treadle #4 - 2/18's Grenadier Blue
20. Treadle #3 - 2/18's Grenadier Blue
21. Treadle #4 - 2/18's Grenadier Blue
22. Treadle #3 - 2/18's Grenadier Blue

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

COST OF THE THREADS USED:

The 2/18's worsted is our English import. We have it in 18 colors on hand and another 21 on order. It comes on 1/2 lb. cones, and is \$6.80 per lb. or \$3.40 per 1/2 lb. cone.

The 2 ply heavy English rug yarn comes in 41 colors, in skeins of about 3 1/2 oz. skeins. It is \$4.80 per lb., but will be going up in price shortly, as it has just increased in wholesale cost. It has about 550 yards per lb., and actually comes in kilogram packages of 10 skeins per package. It is a beautiful quality yarn that we are using a lot of.

COST OF THE FABRIC:

We put on an 8 yard warp for this project. It was 40" wide. In the warp it took 9 oz. of Chantilly Green 2/18's, 8 1/2 oz. of 2/18's Grenadier Blue, and 12 ounces of each #146 and #148 English Rug Wool. Thus the entire warp cost for 40" width, 8 yards long was \$14.85 or \$1.86 per yard.

When the fabric was finished, we had 6 1/2 yards of fabric. In this 6 1/2 yards of weft, it took 8 oz. of Chantilly Green, 8 oz. of Grenadier Blue, 1 lb., 6 oz. of #146 Light Teal, and 1 lb., 2 oz. of #148 Dark Teal. Thus the weft cost was \$18.80 total or \$2.89 per yard.

Also, as the total warp cost was \$14.85 and we had 6 1/2 yards of finished fabric, I'm going to revise my figures for the warp cost per yard, and give you a total cost per yard for the actual finished fabric (including loom waste, etc.).

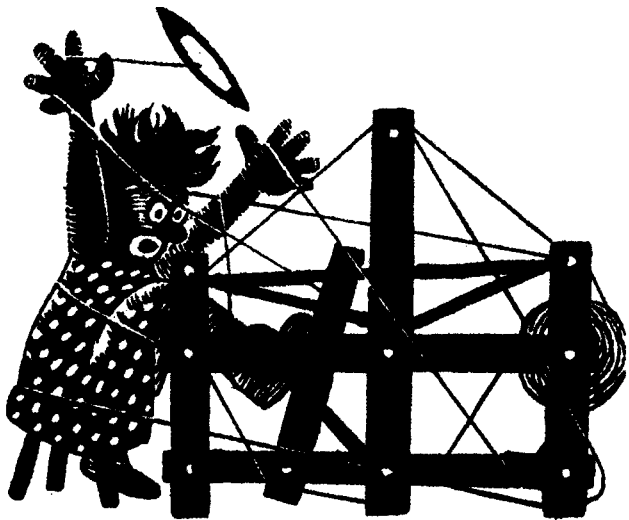
WARP COST PER YARD.....	\$ 2.50
WEFT COST PER YARD.....	2.89
FABRIC COST PER YARD.....	\$ 5.39

MORE ABOUT THE FABRIC:

First of all, use a firm, even double beat, and keep your beat as even as is possible.

Secondly, the only problem we had in the weaving of this is the fact that the heavy English rug wool comes in about 3 1/2 oz. skeins, and this itself is divided into 4 smaller hanks. Thus, because of the short length of these hanks, there were quite a few knots in the warp.

When we came to one of these, we would hang a spool over the back with a replacement thread, and replace the one with the knot in it, until it was long enough to put back in without tying a knot.



drafts and designs

a guide for 5 to 12 harness weaves

Volume 12, Number 5 - January, 1970

DAMASK DREAM:

Our sample this month is a 10 harness, 2 block damask weave, which features a new single ply linen we have just purchased.

WARP:

Our warp is a 12/1 bleached white linen, which is one of the few linens spun here in the United States. This is a single ply, line linen, that is evidently a wet-spun linen, and an excellent one for warp or weft.

WEFT: We used the same 12/1 bleached white linen for weft, as we 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:

10				X				X					X				X				
9					X				X					X				X			
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		

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 12, Number 5 - January, 1970

TIE-UP DRAFT:

10				0					0	
9	0					0				
8			0					0		
7					0					0
6		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

TREADLING SEQUENCE:

1. Treadle #1 - 12/1 white linen
2. Treadle #2 - 12/1 white linen
3. Treadle #3 - 12/1 white linen
4. Treadle #4 - 12/1 white linen
5. Treadle #5 - 12/1 white linen

Repeat these first five treadles a total of 5 times, until you have 25 shots. Then you proceed to the 2nd block of this two block damask.

26. Treadle #6 - 12/1 white linen
 27. Treadle #7 - 12/1 white linen
 28. Treadle #8 - 12/1 white linen
 29. Treadle #9 - 12/1 white linen
 30. Treadle #10 - 12/1 white linen
- Repeat these 5 threads (26 through 30)

four times, until you have 20 shots. This is the treadling that makes the square block in the damask.

TOTAL OF 45 THREADS IN ONE PATTERN REPEAT.
REPEAT OVER AND OVER AS IS DESIRED.

MORE ABOUT THIS FABRIC:

This is a very easy fabric to weave, and there were practically no problems with the weaving of it.

I would suggest that you use a firm, even double beat, and particularly, as this is a single ply linen, that you beat with the shed open, change to the next shed and beat again. This will help eliminate the possibility of the single ply linen fuzzing, and thus make it much easier to weave.

This linen has a beautiful sheen, and with each continued washing and ironing, it should look a little richer and more luxurious. We seldom find this nice a quality, single ply linen, and this one makes an excellent warp or weft thread.

Another thing about this for the use in the 2 block damask, is that using a single ply linen for both warp and weft, will make a much softer fabric than if you used a 2 ply linen for warp.

We had no broken selvage threads, did not need to use a temple or stretcher, and had no problems in the weaving of the fabric.

COST OF THE THREADS USED:

This beautiful quality linen comes on approximately 2 lb. tubes, and it is a good buy at \$3.20 per lb. It is sold by the cone or rather tube only. It has 3600 yards per lb., and is excellent for either warp or weft.

COST OF THE FABRIC:

We had an 8 yard warp, 42" wide at 30 threads per inch. It took 2 lbs. 13 oz. of this linen for the warp. So the total warp cost for 8 yards was \$9.00. The cost per yard is thus \$1.13 per yard.

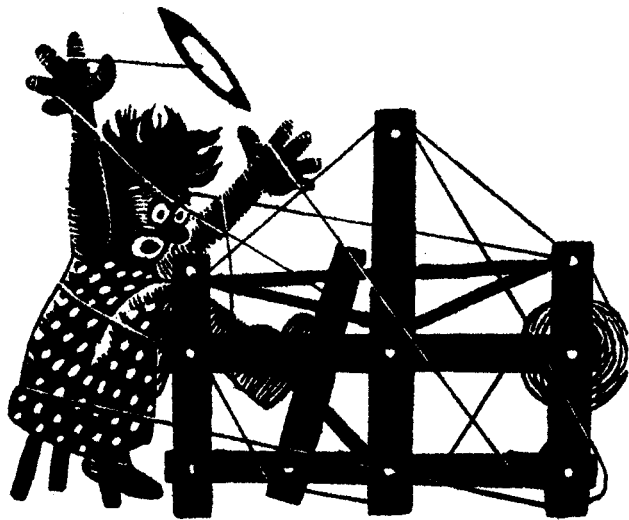
In the weft, we ended up with 6 yards and 30 inches of fabric. It took 2 lbs. and 5 oz. of the 12/1 linen for the weft. Thus the total weft cost was \$7.40 or the cost per yard was \$1.09.

I am going to revise the warp cost, to include the loom waste in the cost of the 6 yards of finished fabric, to give you a true idea of the cost of the fabric. With 6 yards and 30" of finished fabric, we will figure the warp cost from this, and come up with a figure of \$1.32 per yard for the warp in the finished fabric.

WARP COST PER YARD..... \$1.32
 WEFT COST PER YARD..... 1.09
 FABRIC COST PER YARD..... \$2.41

DELAYS - DELAYS - DELAYS

Yes, we hope you will excuse our tardiness. We wove two unsatisfactory fabrics, fell behind further with the flu, and then a rush of business has put us further behind. We hope to be back on full schedule by the late March issue.



drafts and designs

a guide for 5 to 12 harness weaves

Volume 12, Number 6, February 1970

THREE ROSEPATH COMBINATIONS

Our sample this month combines one unit of 8 harness Rosepath, with two units of 4 harness Rosepath, in a linen weave, for drapes, or for table linens.

WARP: Two linen threads as follows:

- X - 10/2 Natural Irish Linen
- O - 12/1 Bleached American Linen

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

REED USED: WE USED A SPECIAL SLEYING OF THE REED, AS FOLLOWS:

1. For the 10/2 Natural Irish Linen in the warp, we sleyed it 1 end per dent.
2. For the 12/1 Bleached American Linen we sleyed it 2 ends per dent.

The reed used, was a 15 dent reed, and it was single sleyed with heavy thread, and double sleyed with the fine thread.



KEY TO THREADS IN THE THREADING DRAFT

- X - 10/2 Natural Irish Linen
- O - 12/1 Bleached American Linen

THREADING DRAFT:

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

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 12, Number 6 - February, 1970

TIE-UP DRAFT:

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

TREADLING SEQUENCE

There are 46 shots of weft in each treadling sequence, as given herewith:

1. Treadle #1 - 10/2 Natural Linen
2. Treadle #2 - 10/2 Natural Linen
3. Treadle #3 - 10/2 Natural Linen
4. Treadle #4 - 10/2 Natural Linen
5. Treadle #1 - 10/2 Natural Linen
6. Treadle #4 - 10/2 Natural Linen
7. Treadle #3 - 10/2 Natural Linen
8. Treadle #2 - 10/2 Natural Linen
9. Treadle #1 - 10/2 Natural Linen
10. Treadle #8 - 12/1 Bleached Linen
11. Treadle #7 - 12/1 Bleached Linen
12. Treadle #6 - 12/1 Bleached Linen
13. Treadle #5 - 12/1 Bleached Linen
14. Treadle #8 - 12/1 Bleached Linen
15. Treadle #8 - 12/1 Bleached Linen
16. Treadle #5 - 12/1 Bleached Linen
17. Treadle #6 - 12/1 Bleached Linen
18. Treadle #7 - 12/1 Bleached Linen
19. Treadle #8 - 12/1 Bleached Linen
20. Treadle #1 - 10/2 Natural Linen
21. Treadle #2 - 10/2 Natural Linen
22. Treadle #3 - 10/2 Natural Linen
23. Treadle #4 - 10/2 Natural Linen
24. Treadle #5 - 10/2 Natural Linen
25. Treadle #6 - 10/2 Natural Linen
26. Treadle #7 - 10/2 Natural Linen
27. Treadle #8 - 10/2 Natural Linen
28. Treadle #1 - 10/2 Natural Linen
29. Treadle #8 - 10/2 Natural Linen
30. Treadle #7 - 10/2 Natural Linen

31. Treadle #6 - 10/2 Natural Linen
32. Treadle #5 - 10/2 Natural Linen
33. Treadle #4 - 10/2 Natural Linen
34. Treadle #3 - 10/2 Natural Linen
35. Treadle #2 - 10/2 Natural Linen
36. Treadle #1 - 10/2 Natural Linen
37. Treadle #8 - 12/1 Bleached Linen
38. Treadle #7 - 12/1 Bleached Linen
39. Treadle #6 - 12/1 Bleached Linen
40. Treadle #5 - 12/1 Bleached Linen
41. Treadle #8 - 12/1 Bleached Linen
42. Treadle #8 - 12/1 Bleached Linen
43. Treadle #5 - 12/1 Bleached Linen
44. Treadle #6 - 12/1 Bleached Linen
45. Treadle #7 - 12/1 Bleached Linen
46. Treadle #8 - 12/1 Bleached Linen

END OF ONE COMPLETE PATTERN REPEAT.

Repeat over and over as desired.

COST OF THE THREADS USED:

The 10/2 Natural Irish Linen, is a beautiful new Irish Linen that we have just imported. It comes on 1 lb. tubes, and has 1500 yards per lb., and has a special twist for weaving, so that it is not as stiff as some linens are.

The 12/1 Bleached White American Linen comes on about 2 lb. tubes, and it has 3600 yards per lb. It is sold by the tube only, and this is a special price, as we have just 100 lbs. of this thread available. Price is \$3.20 per lb. This linen has the proper twist, so that it can be used for either warp or weft.

COST OF THE FABRIC:

We had an 8 yard warp, 42" wide, and it took 2 lbs. 8 oz. of the 10/2 Natural Irish Linen, and 1 lb. 2 oz. of the 12/1 Bleached American Linen for warp. Thus, the total warp cost was \$14.23, or the cost per yard was \$1.78 per yard, for the 42" width.

In the weft, it took 14 oz. of the 12/1 white linen, and 3 lbs. of the 10/2 Natural Irish Linen, or the total weft cost in 7 yards of finished fabric was \$15.55.

WARP COST PER YARD.....	\$1.78
WEFT COST PER YARD.....	2.22
FABRIC COST PER YARD.....	<u>\$4.00</u>

MORE ABOUT THE FABRIC:

First of all, we did use a rather firm even, double beat. Be sure to beat, change to the next shed and leave the shed open and then beat again before you throw the new weft thread.



drafts and designs

a guide for 5 to 12 harness weaves

VOLUME 12, NUMBER 7, MARCH 1970

SIX HARNESS OVERLAY

An interesting 6 harness fabric that we have seen used for coat material and for decorative fabrics lately.

WARP

There are two threads used in the warp. X is the 18/2 Fabri type worsted from England. It has 4800 yards per lb. O is the single ply slub wool, which is in the silver grey color. It has been spun to resemble the Mexican handspun wool, for use in ponchos and other fabrics of that type.

WEFT

The heavy slub wool in silver grey is one of the weft threads, while the 2nd weft thread used for the main background is the 2/18's Fabri-type worsted in a color called Saffron Gold.

REED USED

A 10 dent reed was used, and it was double sleyed, 2 ends per dent, or 20 threads per inch. The heavy slub was sleyed 2 per dent, as well as was the 2/18's in Light Turquoise worsted.

THREADING DRAFT:

6			X	X	X			
5				X	X	X		
4		X	X	X			X	X
3			X	X	X			X
2	0	0	0					
1	0	0	0					



KEY TO THREADS IN THE WARP

X--18/2 Fabri-type Worsted, Lt. Turquoise
O-- Slub wool, silver grey, made to resemble Mexican Handspun wool.

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 12, NUMBER 7 - MARCH, 1970

TIE-UP DRAFT:

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

TREADLING SEQUENCE:) A B

- Treadle #3 - 2/18's Saffron Gold
- Treadle #4 - 2/18's Saffron Gold
- Treadle #3 - 2/18's Saffron Gold
- Treadle #4 - 2/18's Saffron Gold
- Treadle #3 - 2/18's Saffron Gold
- Treadle #4 - 2/18's Saffron Gold
- Treadle #1 - 2/18's Saffron Gold
- Treadle #2 - 2/18's Saffron Gold
- Treadle #1 - 2/18's Saffron Gold
- Treadle #2 - 2/18's Saffron Gold
- Treadle #1 - 2/18's Saffron Gold
- Treadle #2 - 2/18's Saffron Gold
- Treadle #3 - 2/18's Saffron Gold
- Treadle #4 - 2/18's Saffron Gold
- Treadle #3 - 2/18's Saffron Gold
- Treadle #4 - 2/18's Saffron Gold
- Treadle #3 - 2/18's Saffron Gold
- Treadle #4 - 2/18's Saffron Gold
- Treadle #5 - Silver Grey Slub Wool
- Treadle #6 - Silver Grey Slub Wool
- Treadle #5 - Silver Grey Slub Wool
- Treadle #6 - Silver Grey Slub Wool
- Treadle #5 - Silver Grey Slub Wool
- Treadle #6 - Silver Grey Slub Wool

End of one complete pattern repeat. Do repeat over and over as desired. There are 24 shots in one complete pattern repeat.

COST OF THE THREADS USED:

The heavy slub wool, made to resemble a Mexican hand-spun wool, has about 1100 yards per lb. At present, it is available in only 4 colors, SILVER GREY, DARK BROWN, LIGHT TAN, AND AVOCADO GREEN. It is not always available, but we do have one company that will sell us their surplus in this yarn from time

to time. The price is a very reasonable one at \$3.20 per lb.

The 18/2 Fabri-type Worsted yarn is available in 18 colors, and after April 15th, we will have our 20 new colors, and one old one we were out of, or we will have a total of 39 different colors available at that time. It comes on 1/2 lb. tubes, has 2400 yards per tube, or 4800 yards per pound, and the price is \$6.80 per lb.

COST OF THE FABRIC

We had an 11 yard warp, 42" wide, on the loom. From this, we received a total of 9-2/3 yards of finished fabric.

It took 1 lb. 5 1/2 oz. of the 2/18's in Light Turquoise, and 2 pounds and 9 oz. of the silver grey slub wool for the warp. This makes the total warp cost for 11 yards of 42" width come to \$17.55, or the breakdown of cost per yard brings it to \$1.59 per yard for the warp.

In the weft, we used 1 lb. 8 1/2 oz. of the Saffron Gold 2/18's, and we used 1 lb. 15 oz. of the Silver Grey slub wool. Thus our total weft cost for 9 1/2 yards of fabric was \$16.62 or the cost per yard was \$1.75.

WARP COST PER YARD - 42".....\$1.59
WEFT COST PER YARD..... 1.75
FABRIC COST PER YARD.....\$3.34

SOURCE OF IDEA FOR THIS FABRIC

Walking along the street in Portland one day, I saw a coat with a similar fabric, only using all smooth threads in heavy and fine weight. I was so intrigued, that I stood there for about 1/2 hour trying to analyze it in my mind, and trying to improve upon it. Then I came home and put a sample swatch on the loom of about 6 different color combinations. I liked many of them, and I thought the red-grey-blue combination I had was one of the most striking. However, there were so many I did like that I finally settled on one color combination that I hoped all of you would enjoy. I did change the fabric slightly, in that the grey is tied down a little more firmly than on the coat material I saw, and also I do feel that the slub wool creates more interest than did the smooth wool.

MORE ABOUT THIS FABRIC

We had no problems in the weaving of this fabric. We had both weights of yarn in the warp on one warp beam, and I thought it might give some trouble here because of the extreme contrast in size of the 2 warp threads, but this did not create any problem.



drafts and designs

a guide for 5 to 12 harness weaves

Volume 12, Number 8, April, 1970

ORANGE FLAME:

This is an interesting 8 harness Warp Face weave, which was adapted from a Four Harness Profile of the Star of Bethlehem overshot pattern.

WARP: Two colors of Egyptian Cotton were used in the Warp.

- X - 20/2 Indian Orange Egy. Cotton
- O - 20/2 Toboggan Egy. Cotton

WEFT: There were two threads used in the Weft as indicated herewith.

- A - 20/2 Mercerized Ramie, Honey Dew Maize, which is the pattern thread.
- B - Metallic Boucle, Luminex, called Orange Sherbit which is the binder thread.

REED USED:

A 15 dent reed was used, and it was sleyed 4 ends per dent, or 60 threads per inch.

MORE ABOUT SLEYING OF THE REED:

Please be sure to note that you should have two dark and two light threads in each dent of your 15 dent reed.

COST OF THE THREADS USED:

1. 20/2 Egyptian Cotton, comes in about 90 colors, and is \$2.75 per 1/2 lb. tube. Has 8400 yards per lb.
2. 20/2 Mercerized Ramie, comes in 1 lb. cones, has 3,000 yards per lb., and is \$5.40 per lb.
3. Luminex comes in 11 colors, has 500 yards per tube, and is \$1.35 per tube.



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	A B	
	A	B	C	D	Tabby	

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 12, Number 8, April, 1970

AN IMPORTANT NOTE ABOUT THIS PATTERN

It is important that you have a light and dark thread in your threading of the pattern. The X in the threading draft is the dark color, and the O in the threading draft is the light color. We used two colors too close together in value in this sample I feel, and your pattern would be more outstanding if you used more of a contrast in colors.

PROFILE DRAFT OF STAR OF BETHLEHEM

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

8 HARNESS DRAFT DEvised FROM THE PROFILE DRAFT ABOVE.

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

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

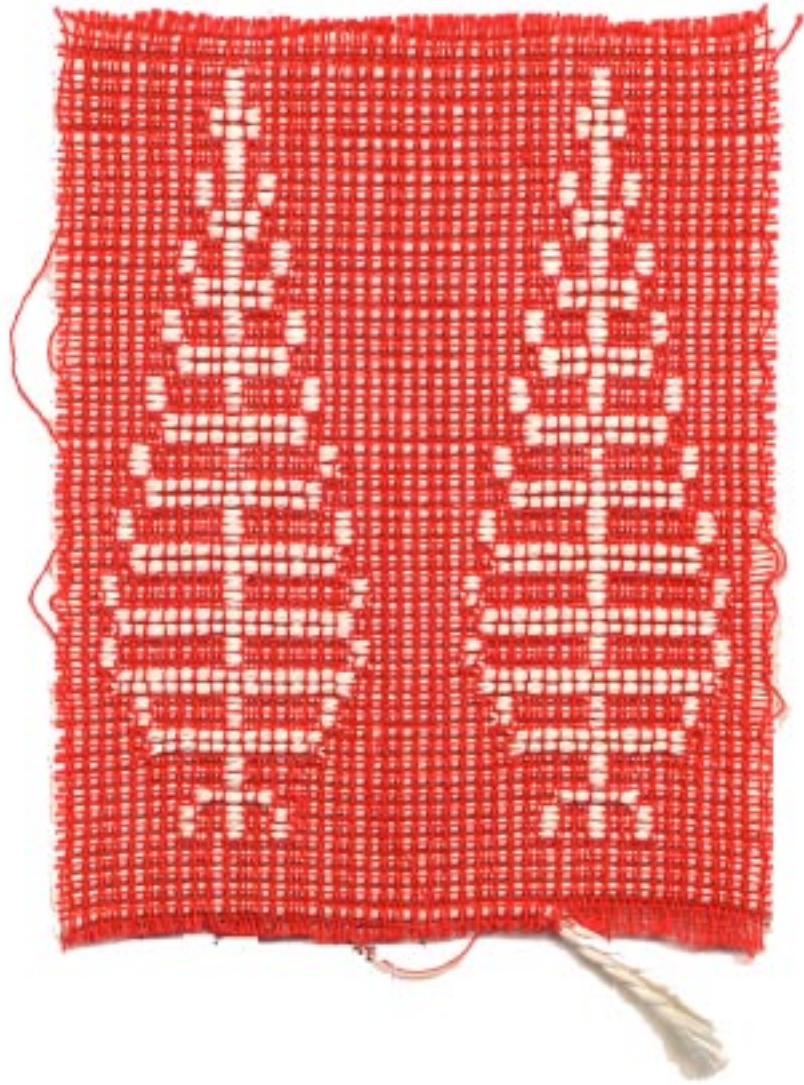
THREADING PLAN:

Thread A to B over and over and then on your last repeat of your pattern A to B, you then thread B to C to balance the pattern. If you start threading from the right side of the loom, as you read the draft from right to left, you will have the unit of B to C just one time, on the left selvage edge.

Note that all the dark threads appear on harnesses 1,3,5,7, and they create the pattern, and all the light threads appear on harnesses 2,4,6,8, and they create the background.

NOTE IN EXTENDING FROM 4 HARNESS TO 8 HARNESS PATTERN.

1. Threads on harness 1 in the 4 harness pattern extend to 1,2,1,2 in 8 harness pattern.
2. Threads on harness 2 in the 4 harness pattern extend to 3,4,3,4 in the 8 harness pattern.
3. Threads on harness 3 in the 4 harness pattern extend to 5,6,5,6 in the 8 harness pattern.
4. Threads on harness 4 in the 4 harness pattern extend to 7,8,7,8 in the 8 harness pattern.



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 12, Number 9, May, 1970

THREADING DRAFT:

C																B	A	
12																	X X X X	
11	X X															X X		
10		X X														X X		
9			X X													X X		
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									
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

treadle, and an example is "2 + 3"----1X-- This means that you use B-tabby, "2 + 3" pattern, A-tabby, "2+3" -pattern. This means that you still have just 4 threads in that sequence.

- 1. Treadle #4----- 2 times
- 2. Treadle #2 + #3----- 1 time
- 3. Treadle #1----- 2 times
- 4. Treadle #7 + #8----- 2 times
- 5. Treadle #9----- 2 times
- 6. Treadle #13----- 2 times
- 7. Treadle #12----- 2 times
- 8. Treadle #13----- 2 times
- 9. Treadle #12----- 2 times
- 10. Treadle #11----- 2 times
- 11. Treadle #10----- 2 times
- 12. Treadle #7 + #8----- 2 times
- 13. Treadle #9----- 2 times
- 14. Treadle #8----- 2 times
- 15. Treadle #7----- 2 times
- 16. Treadle #6----- 2 times
- 17. Treadle #5----- 2 times
- 18. Treadle #2 + #3----- 2 times
- 19. Treadle #4----- 2 times
- 20. Treadle #2----- 2 times
- 21. Treadle #3----- 2 times
- 22. Treadle #1----- 2 times
- 23. Treadle #2----- 2 times
- 24. Treadle #1----- 2 times

This is the end of one complete pattern repeat. It means also that there are 188 threads on one complete pattern repeat. This means both tabby and the pattern threads.

TO MAKE THE PLAIN WEAVE AREAS BETWEEN PATTERN REPEATS, you treadle B, X, A, X. On the B and A you use a regular tabby thread and on the X you use a pattern thread. You repeat this B, X, A, X sequence over and over as desired.

MORE ABOUT THIS TREADLING SEQUENCE

On this sequence that we have given you, this will weave so that the correct

pattern weaves on the underside of the fabric. The reason for this, is to make the lifting of the harnesses as easy as possible, and to simplify the treadling. On any jack-type loom when weaving like this, you will find that harness #2 has a tendency to float. So, to counteract this, you will have to weight harness #2 somehow, so that it does not float. Some people use springs, others use weights, etc.

MORE ABOUT THIS FABRIC:

First of all, this pattern could be made much, much smaller if you used a finer pattern thread like a 6 strand floss, etc. However, as we did have the 6/3 rayon floss type thread available, we went ahead and used it.

We have the threading draft marked off A to B to C. A to B is the plain weave area between trees, and can be made as large as desired. B to C is the pattern of the tree.

We also had some trouble with the right selvage and the divider between the rows of trees. The pattern thread following the B tabby, in the plain

weave area between rows of trees, the pattern thread has to be caught around a selvege thread. We had no problems at all with the left side, but just on the right, and this was the way it was solved.

You will notice that there is a lot of take-up in the warp in this pattern. As we started with an 8 yard warp, and were able to obtain only 6 yards of finished material. This shows the amount of take-up in the pattern.

COST OF THE THREADS USED:

The fine weave cotton in size 50/3 does come in 36 different colors. It comes on 6,000 yard tubes, and the price is \$2.30 per tube. It is about 1/2 lb. The 6/3 rayon floss keeps going up and up. It is now \$4.80 per lb., and can be purchased in 4 oz. tubes at \$1.25 per 4 oz. tube.

COST OF THE FABRIC:

We had an 8 yard warp, 40 inches wide and it took approximately 2 spools of the fine-weave 50/3 cotton, or the cost of the 8 yard warp was \$4.60. Thus, our warp cost per yard was 58¢ per yard.

We received 6 yards of finished fabric from this 8 yard warp. In this, it took 7 oz. of the 50/3 cotton, and it took 4 lbs. 6 oz. of the 6/3 rayon floss. Thus, the weft cost for 6 yards was \$23.30, or the cost per yard was \$3.90 per yard for the weft. This was enough to make approximately 400 samples, the size of your sample, with 2 Christmas trees on each of these 400 samples.

WARP COST PER YARD, 40" WIDE....	\$.58
WEFT COST PER YARD.....	3.90
FABRIC COST PER YARD.....	\$ 4.48

More about the fabric.

PLAN FOR WEAVING

Notice in the tie-up draft that we have 4 units, A, B, C, and D. To weave these units, you treadle as follows:

Unit A - Treadle 1, Pattern; 2, Binder
Unit B - Treadle 3, Pattern; 4, Binder
Unit C - Treadle 5, Pattern; 6, Binder
Unit D - Treadle 7, Pattern; 8, Binder

TREADLING SEQUENCE:

In the treadling, you treadle each of the units A,B,C or D, once if I list it one time, or twice if I list it two times.

Treadle A, B, C, D, C, B, A.

Treadle D, D, C, C, B, B, A, A.

Treadle D, C, B, A, B, C, D.

Treadle A, A, B, B, C, C, D, D.

Repeat this treadling over and over, and then on your last pattern repeat to balance, you treadle A, B, C, D, C, B, A.

There are a total of 60 threads in each pattern repeat that you repeat over and over. On your last pattern, when you are balancing it to complete your fabric, you will have 74 threads in the last pattern repeat only.

SOURCE OF THIS PATTERN:

This pattern appeared in the Pinellas Weavers' Guild bulletin, and the adaptation of the pattern was done by one of their members, Ruth Rummler. I was so impressed with it that I thought it would be fun to share it with all of you.

THIS TECHNIQUE MAY BE USED ON ANY 4 BLOCK PROFILE, OR AN OVERSHOT DRAFT CONVERTED TO PROFILE. More than one unit may be woven in pattern at the same time. More than 2 colors may be used, solid stripes, small motifs on light background, etc.



drafts and designs

a guide for 5 to 12 harness weaves

VOLUME 12, NUMBER 10, JUNE, 1970

MONDAY BLUE AND OLIVE GREEN:

Two colors of 2/18's worsted are combined in this sample to show you one of Marian Powell's shadow weaves.

WARP THREADS USED:

The warp threads are our 2/18's worsted in the Fabri-type worsteds. They have about 4800 yards per lb., come on cones of 8 to 12 oz. each, and the price is \$6.80 per lb.

WEFT THREADS USED:

The same two threads are used in the weft, as are 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.

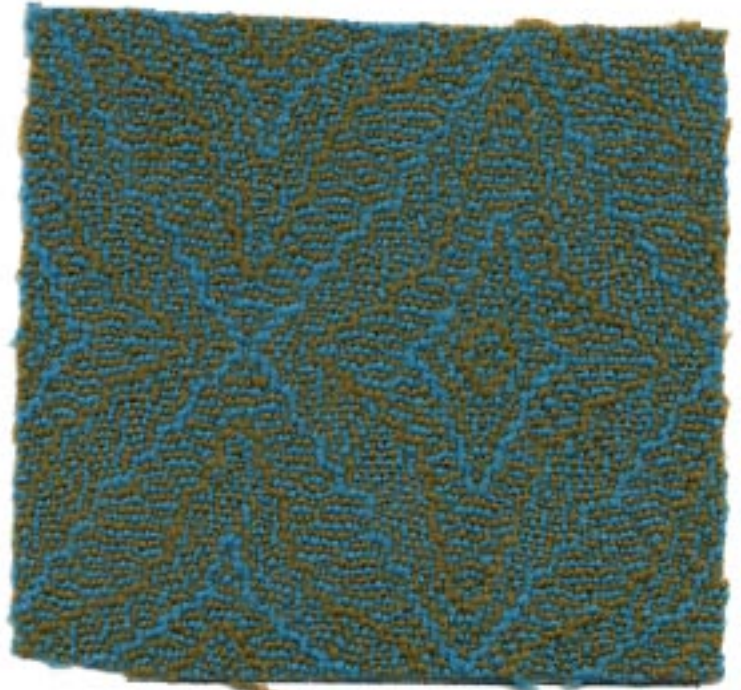
WIDTH ON LOOM:

Our fabric was set-up, 42" wide on the loom. When it came off the loom, it was 40" wide, and when it was washed and pressed, it was 38" wide.

COST OF THE FABRIC:

It took 1 lb. 3 oz. of each of the two colors of the 2/18's worsted for a 9 yard warp. This meant 2 lbs. 6 oz. of the 2/18's cost \$16.15 or the cost per yard was \$1.80 per yard.

In the weft, we used 1 lb. 2 oz. of each of the two colors of 2/18's worsted.



Thus our weft cost in 7-3/4 yards of fabric was \$15.30, so the weft cost per yard was \$1.98 per yard.

WARP COST PER YARD.....	\$ 1.80
WEFT COST PER YARD.....	1.98
FABRIC COST PER YARD.....	<u>\$ 3.78</u>

TREADLING SEQUENCE:

The treadling sequence is exactly the same as the threading draft, and you use the same colors as indicated in the draft. Perhaps I should write it out, even though it is 90 threads long.

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 12, NUMBER 10, JUNE, 1970

TIE-UP DRAFT:

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

THREADING DRAFT:

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

KEY TO THREADS IN THE WARP:

0--2/18's worsted, Olive Green
X--2/18's worsted, Blue Monday

TREADLING:

1. Treadle #1, Olive Green
2. Treadle #2, Blue Monday
3. Treadle #3, Olive Green
4. Treadle #4, Blue Monday
5. Treadle #5, Olive Green
6. Treadle #6, Blue Monday
7. Treadle #7, Olive Green
8. Treadle #8, Blue Monday
9. Treadle #2, Olive Green
10. Treadle #1, Blue Monday
11. Treadle #4, Olive Green
12. Treadle #3, Blue Monday
13. Treadle #6, Olive Green
14. Treadle #5, Blue Monday
15. Treadle #6, Olive Green
16. Treadle #5, Blue Monday
17. Treadle #8, Olive Green
18. Treadle #7, Blue Monday
19. Treadle #8, Olive Green
20. Treadle #7, Blue Monday
21. Treadle #1, Olive Green
22. Treadle #2, Blue Monday
23. Treadle #1, Olive Green
24. Treadle #2, Blue Monday
25. Treadle #1, Olive Green
26. Treadle #2, Blue Monday
27. Treadle #3, Olive Green

28. Treadle #4, Blue Monday
29. Treadle #3, Olive Green
30. Treadle #4, Blue Monday
31. Treadle #5, Olive Green
32. Treadle #6, Blue Monday
33. Treadle #5, Olive Green
34. Treadle #6, Blue Monday
35. Treadle #7, Olive Green
36. Treadle #8, Blue Monday
37. Treadle #2, Olive Green
38. Treadle #1, Blue Monday
39. Treadle #2, Olive Green
40. Treadle #1, Blue Monday
41. Treadle #4, Olive Green
42. Treadle #3, Blue Monday
43. Treadle #6, Olive Green
44. Treadle #5, Blue Monday
45. Treadle #8, Olive Green
46. Treadle #7, Blue Monday
47. Treadle #8, Olive Green
48. Treadle #5, Blue Monday
49. Treadle #6, Olive Green
50. Treadle #3, Blue Monday
51. Treadle #4, Olive Green
52. Treadle #1, Blue Monday
53. Treadle #2, Olive Green
54. Treadle #1, Blue Monday
55. Treadle #2, Olive Green
56. Treadle #8, Blue Monday
57. Treadle #7, Olive Green
58. Treadle #6, Blue Monday
59. Treadle #5, Olive Green

60. Treadle #6, Blue Monday
61. Treadle #5, Olive Green
62. Treadle #4, Blue Monday
63. Treadle #3, Olive Green
64. Treadle #4, Blue Monday
65. Treadle #3, Olive Green
66. Treadle #2, Blue Monday
67. Treadle #1, Olive Green
68. Treadle #2, Blue Monday
69. Treadle #1, Olive Green
70. Treadle #2, Blue Monday
71. Treadle #1, Olive Green
72. Treadle #7, Blue Monday
73. Treadle #8, Olive Green
74. Treadle #7, Blue Monday
75. Treadle #8, Olive Green
76. Treadle #5, Blue Monday
77. Treadle #6, Olive Green
78. Treadle #5, Blue Monday
79. Treadle #6, Olive Green
80. Treadle #3, Blue Monday
81. Treadle #4, Olive Green
82. Treadle #1, Blue Monday
83. Treadle #2, Olive Green
84. Treadle #8, Blue Monday
85. Treadle #7, Olive Green
86. Treadle #6, Blue Monday
87. Treadle #5, Olive Green
88. Treadle #4, Blue Monday
89. Treadle #3, Olive Green
90. Treadle #2, Blue Monday

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