DOUBLE TROUBLE:
A 12 harness double weave, which is quite easy to weave. Excellent for use as upholstery, drapery, and in a different choice of materials, it has a multitude of other uses. Would make a beautiful bedspread.

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TREADLING SEQUENCE:

There are 24 shots in one complete pattern repeat, and here is the treadling sequence.

1. Treadle # 12, medium green viscose
2. Treadle # 11, white spun viscoses
3. Treadle # 10, medium green viscose
4. Treadle # 9, 2 ply white nylon
5. Treadle # 12, medium green viscose
6. Treadle # 11, 2 ply white nylon
7. Treadle # 10, medium green viscose
8. Treadle # 9, 2 ply white nylon
9. Treadle # 8, aqua blue viscose
10. Treadle # 7, 2 ply white nylon
11. Treadle # 6, aqua blue viscose
12. Treadle # 5, 2 ply white nylon
13. Treadle # 4, medium green viscose
14. Treadle # 3, 2 ply white nylon
15. Treadle # 2, medium green viscose
16. Treadle # 1, 2 ply white nylon
17. Treadle # 4, medium green viscose
18. Treadle # 3, 2 ply white nylon
19. Treadle # 2, medium green viscose
20. Treadle # 1, 2 ply white nylon
21. Treadle # 8, aqua blue viscose
22. Treadle # 7, 2 ply white nylon
23. Treadle # 6, aqua blue viscose
24. Treadle # 5, 2 ply white nylon

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

COST OF THE FABRIC:

We had a 9 yard warp, 40" wide on the loom, and it took 3 lbs. 11 oz. of the white nylon, 2 lbs. 6 oz. of the Aqua Blue spun viscose, and 1 lb. 3 oz. of the green spun viscose yarn. Thus, the total warp cost for 9 yards was $23.10, or the cost per yard for the 9 yard warp was $2.57 per yard.

From this 9 yard warp, we were able to weave 7 yards and 12 inch or 7-1/3 yards of fabric. In this 7-1/3 yards, it took 3 lbs. 5 oz. of white nylon, 11-1/2 ounces of aqua blue spun viscose, and 1 lb. 6½ oz. of the medium green spun viscose. Thus the total weft cost for 7-1/3 yards was $2.24 per yard.

7-1/3 yards was $16.45, or the cost per yard was $2.24. Thus the fabric cost per yard was $4.81 per yard for 39" wide, finished fabric.

WARP COST PER YARD--------- $ 2.57
WEFT COST PER YARD-------- 2.24

FABRIC COST PER YARD------- $4.81
drafts and designs

a guide for 5 to 12 harness weaves

VOLUME 15, Number 2. October, 1972

INCHWORM ORANGE:
This interesting warp faced rep weave was planned for dress fabric or for suiting material.

WARP:
Four colors of our 2/18's worsted, the English import, were used in the warp.
The color guide for these is:
A. Color # 32, Antique Gold 2/18's
B. Color # 34, Golden Brown 2/18's
C. Color # 37, Princeton Orange 2/18's
D. Color # 17, Sunkist Orange 2/18's

WEFT:
One thread was used in the weft, and it is a blend of lamb's wool, angora, and nylon. This yarn is a 2 ply yarn called SPRING ORANGE!

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

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TREADLING SEQUENCE:
There are 4 shots in each of the different treadling blocks. Here is the treadling sequence
1. Treadle B, A, B, 1 — one time
2. Treadle B, A, B, 2 — one time
3. Treadle B, A, B, 3 — one time
4. Treadle B, A, B, 4 — one time
5. Treadle B, A, B, 5 — one time
6. Treadle B, A, B, 6 — one time

There are 24 shots in each complete pattern repeat. Repeat over and over as desired.
DRAFTS AND DESIGNS
Published monthly (except July and August) by Robin & Russ Handweavers, 533 N. Adams St., McMinnville, Oregon.

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VOLUME 15, Number 2, October, 1972

COST OF THE THREADS USED:
The 2/18’s worsted has 4800 yards per lb., and comes on approximately 1/2 lb. cones. It is available in 39 colors in stock, and is $6.80 per lb.
The weft yarn, the spring orange wool, angora and nylon, is 2 ply, has approximately 3800 yards per lb., and we can furnish it on 1/2 lb. tubes or about 1 1/2 to 2 lb. cones. It is $4.00 per lb.

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NOTE ABOUT THE THREADING DRAFT:
There are 96 threads in one complete threading draft. And be sure that you start reading the threading draft from right to left in both portions of the draft given above.

COST OF THE FABRIC:
Our warp was 40" wide, 10 yards long, and it took 10 oz. of each of the 4 colors for the 10 yard warp, 40" wide. Thus, the total warp cost for 10 yards was $17.00, or the cost per yard came to $1.70 per yard.

In the weft we used 1 lb. 13 oz. of the Spring Orange combination yarn in 8 1/2 yards of fabric from the 10 yard warp. Thus, the total weft cost was $7.25 or the cost per yard was $1.17 per yard.

WARP COST PER YARD, 40" width——$1.70
WEFT COST PER YARD, ————$1.17
FABRIC COST PER YARD———$2.87

MORE ABOUT THE FABRIC:
The fabric was planned for suiting or dress material, but several who have seen and admired it thought it would make an excellent bed-spread, and could even be used for upholstery in some cases. I still like the original use, but of course, that is up to the individual.

You use a medium even beat, or double beat, changing the shed and beating lightly with the new shed open, before throwing the shuttle.

There were no problems at all in the weaving of this fabric. No broken threads, except for one or two knots that pulled out. I would suggest though, that you do your best to keep it as wide as possible, and a stretcher is perhaps best for this. And, a selvage of 6 or 8 threads of a nylon or cotton selvage thread will also be a big help in keeping wide, and keeping from weaving in narrower. I feel that you will gain from 1 to 2 inches from the use of the stretcher or temple, and in some cases this is very important.

One thing that impresses me very much about this fabric is the "soft hand" that it has. Touch it and see. Very pleasing. This piece has not been washed and pressed, and it should be even nicer when this is done. Just wash in lukewarm water, allow to drip dry, and then steam press dry.
A TON OF TAN TUSSAH DIAMONDS
This most fascinating 8 harness shadow weave is woven with a beautiful TUSSAH SILK IN THE NATURAL TAN COLOR, along with a Silk and Wool combination thread. It is planned for suiting, for tailored suits in particular, and I think it would be beautiful in a man's smoking jacket.

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SOURCE OF IDEA FOR THIS SAMPLE: The Pinellas Weavers Guild Bulletin had a sample of this shadow weave, woven by Margaret Newman. I was so taken with it, I had to try it out in these new silk threads that are used in the sample.

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KEY TO THREADS IN THE WARP
T-- A Tan, 8 ply Tussah Silk
W-- A 4 ply, 50% Worsted 50% silk thread in a natural white color.

REED USED:
A 15 dent reed was used and it was double sleyed, 2 ends per dent, or 30 threads per inch.
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VOLUME 15, Number 3, November, 1972

WARP:

There are two threads in the warp and they are as follows.

T--- An 4 ply natural colored Tussah Silk thread in best quality silk available, called Schappe.

W--- A 4 ply natural combination of 50% worsted and 50% silk. The two threads are blended together and spun into a single ply thread and then I had this 4 plyed. This thread is from Japan.

WEFT:

The same two threads that are used in the warp are also used as the weft threads. See the description above.

TREADLING SEQUENCE:

There are 34 shots of weft in one complete pattern repeat before you start over. There are actually 35 shots for one complete pattern repeat, but if you do the 34 shots, and start over, then the first shot of the 2nd repeat completes the first pattern. The treadling sequence is:

1. Treadle # 1--- Tan Tussah Silk
2. Treadle # 2--- Natural silk & worsted
3. Treadle # 3--- Tan Tussah Silk
4. Treadle # 4--- Natural silk & worsted
5. Treadle # 5--- Tan Tussah Silk
6. Treadle # 6--- Natural silk & worsted
7. Treadle # 7--- Tan Tussah Silk
8. Treadle # 8--- Natural silk & worsted
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15. Treadle # 8--- Tan Tussah Silk
16. Treadle # 7--- Natural silk & worsted
17. Treadle # 1--- Tan Tussah Silk
18. Treadle # 2--- Natural silk & worsted
19. Treadle # 1--- Tan Tussah Silk
20. Treadle # 7--- Natural silk & worsted
21. Treadle # 8--- Tan Tussah Silk
22. Treadle # 5--- Natural silk & worsted
23. Treadle # 6--- Tan Tussah Silk
24. Treadle # 3--- Natural silk & worsted
25. Treadle # 4--- Tan Tussah Silk
26. Treadle # 1--- Natural silk & worsted
27. Treadle # 2--- Tan Tussah Silk
28. Treadle # 8--- Natural silk & worsted
29. Treadle # 7--- Tan Tussah Silk
30. Treadle # 6--- Natural silk & worsted
31. Treadle # 5--- Tan Tussah Silk
32. Treadle # 4--- Natural silk & worsted
33. Treadle # 3--- Tan Tussah Silk
34. Treadle # 2--- Natural silk & worsted

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

COST OF THE THREADS USED:

The 4 ply (actually 8) of the Tan Tussah Silk is $8.00 per lb. It has approximately 7600 yards per lb., and comes on cones varying from 1-1/4 lb. to 1-3/4 lbs. in weight. REMEMBER, THIS IS A NATURAL COLOR IN THIS TAN TUSSAH, and not a dyed color.

The 4 ply natural, 50% worsted and 50% silk is a blended yarn from Japan. It too, comes on cones of about 1-1/4 to 1-3/4 lbs in weight, and it is $3.00 per lb. It has approximately 6400 yards per lb.

And we have a limited amount of both of these threads on hand. About 40 lbs. of the Tan Tussah silk, and about 100 lbs. of the worsted and silk combination.

COST OF THE FABRIC:

Our warp was 10 yards long and 40" wide, and it took 13 oz. of the Tan Tussah for the warp, and 16 oz. of the natural 50% worsted, 50% silk thread, for the warp.

Thus the total warp cost was $14.50, or the warp cost per yard was $1.45.

In the weft, we used the same amount of thread, 13 oz. of the Tan Tussah Silk, and 16 oz. of the 50% worsted, 50% silk combination. So the weft cost was also $14.50 for 9 yards of finished fabric. Thus, the weft cost per yard was $1.62 per yard.

WARP COST PER YARD, 40" wide--- $ 1.45
WEPT COST PER YARD---------- 1.62
FABRIC COST PER YARD--------- $ 3.07

MORE ABOUT WEAVING:

There were no problems in the actual weaving of this fabric, except that mentioned about the back lash of the thread. If you do a chain warp, this might be a problem in the warp, but as we do a sectional warp on all our fabrics, it was not a problem. The problem is in the weft, and it might be necessary for you to steam the yarn for the best results, if you have any problems.
BOW RIVER BLUE

We used the same threading as per this sample in a different color combination two months ago. We liked that fabric, and wanted to plan one for a bed-spread with a little different treadling, so this is the result.

WARP:
Four colors of our 2/18's worsted, the English imported yarn, were used in the warp. The color guide for these is:
- A -- Color # 21, Horizon Blue
- B -- Color # 31, Dark Turquoise
- C -- Color # 6, Grenadiere Blue
- D -- Color # 3, Dark Navy Blue

WEFT:
One thread was used in the weft, and it is a blend of 65% Shetland Wool, 20% Dacron Polyester, and 15% Alpaca. The color is called "Blue Lagoon Heather."

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

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TREADLING SEQUENCE:
There are 22 shots in the treadling sequence in this sample. And one of the most important things is that we used the weft thread doubled on 13 pattern shots, and then used it singly on the 9 shots of plain weave between the patterns. Here is the sequence as we did it.
1. Treadle # 1 -- doubled thread
2. Treadle # B -- doubled thread
3. Treadle # 2 -- doubled thread
4. Treadle # B -- doubled thread
5. Treadle # 3 -- doubled thread
6. Treadle # B -- doubled thread
7. Treadle # 4 -- doubled thread
DRAFTS AND DESIGNS
Published monthly (except July and August) by Robin & Russ Handweavers, 533 N. Adams St., McMinnville, Oregon.
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VOLUME 15, Number 4, December, 1972.

NOTE ABOUT THE THREADING DRAFT:
There are 96 threads in one complete threading draft. And be sure that you start reading the threading draft from right to left in both portions of the draft given above.

KEY TO COLORS IN THE WARP:
\[ A \] is 2/18's, color # 21, Horizon Blue
\[ B \] is 2/18's, color # 31, Dark Turquoise
\[ C \] is 2/18's, color # 6, Grenadier Blue
\[ D \] is 2/18's, color # 3, Dark Navy Blue

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Thus the weft for 9 yards was $14.00 or the cost per yard $1.56 per yard. Warf cost per yard, 40” wide— $ 1.70 Weft cost per yard——— $ 1.56 FABRIC COST PER YARD—-----——— $ 3.26

COST OF THE THREADS USED:
The 2/18's worsted has 4800 yards per lb., and comes on approximately 1/2 lb. cones. It is available in 39 colors and is our own line of colors and yarn that we had spun and dyed to order in England. It is $6.80 per lb.
The weft yarn, the blended yarn called "Blue Lagoon Heather" has about 2100 yards per lb. It is $4.00 per lb. We also have this same yarn in a heather brown, heather gold, and heather green.

MORE ABOUT THE FABRIC:
One thing that I want to mention is that a temple or stretcher was used in the weaving of this sample. There wasn't one frayed warp thread nor a broken warp thread in the 10 yards when we used the stretcher.
And, the other thing that we want to emphasize is that we used our weft thread both singly and doubled on the bobbin, in this sample. It makes the pattern stand out a little better when the threads are doubled in the pattern. I wish that you could see the long length of this fabric. It is much prettier than just the small sample, and the pattern does show to better advantage.

8. Treadle # B — doubled thread
9. Treadle # 3—— doubled thread
10. Treadle # B — doubled thread
11. Treadle # 2 — doubled thread
12. Treadle # B — doubled thread
13. Treadle # 1 — doubled thread
14. Treadle # B — thread is single
15. Treadle # A — thread is single
16. Treadle # B — thread is single
17. Treadle # A — thread is single
18. Treadle # B — thread is single
19. Treadle # A — thread is single
20. Treadle # B — thread is single
21. Treadle # A — thread is single
22. Treadle # B — thread is single

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

COST OF THE FABRIC:
Our warp was 40" wide, 10 yards long, and it took 10 ounces of each of the 4 colors for the 10 yard warp, 40" wide. Thus, the total warp cost for 10 yards was $17.00 or the cost per yard came to $1.70 per yard.
In the weft, there was used 3 lbs. 8 ounces of the Blue Lagoon Heather yarn.
DAISY PATCH:

An interesting 8 harness Summer and Winter weave for upholstery. We have used the warm colors of late summer and early fall for this sample.

WARP:

Our warp is the size 20/2 mercerized and gassed Egyptian Cotton in a Lemon color.

WEFT:

There are two colors and two different threads used in the weft. The tabby thread is the size 20/2 Egyptian Cotton in the Princeton Orange color.

Our pattern thread was an 8 cut rayon chenille in the color called Golden Brown.

REED USED:

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

PROFILE THREADING DRAFT OF THIS WEAVE

(note—profile is the short method of writing a longer draft. See the explanation below.

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threading draft.
An X on row # 3 represents 1,3,2,3
An X on row # 4 represents 1,4,2,4
An X on row # 5 represents 1,5,2,5
An X on row # 6 represents 1,6,2,6
An X on row # 7 represents 1,7,2,7
An X on row # 8 represents 1,8,2,8
When you have 2 X's together on the same row, that means you have 8 threads. For instance the pattern starts out with 2 X's on row # 3. This means that you thread in your warp 8 threads, and you thread them 1,3,2,3,1,3,2,3.

TIE-UP DRAFT:

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This tie-up is used, as two feet are used together. It is easier to lift the harnesses if you use 2 treadles, and thus less tiring.

TREADLING SEQUENCE:
Our treadling sequence is a long and involved one, and I will try and make it as simple as possible. Please note that sometimes you use just one treadle at a time, and that other times, you use two treadles at one time, as indicated below.
1. Treadle # A, 20/2 Princeton Orange
2. Treadle # 1 & X--- Brown Chenille
3. Treadle # B, 20/2 Princeton Orange
4. Treadle # 1 & Y--- Brown Chenille
REPEAT THE first 4, a 2nd time until you have 8 shots
5. Treadle # A, 20/2 Princeton Orange
6. Treadle # 2 & X--- Brown Chenille
7. Treadle # B, 20/2 Princeton Orange
8. Treadle # 2 & Y--- Brown Chenille
Repeat treadles 5 through 8 a 2nd time, so you have 8 shots.
9. Treadle # A, 20/2 Princeton Orange
10. Treadle # 1 & X--- Brown Chenille
11. Treadle # B, 20/2 Princeton Orange
12. Treadle # 1 & Y--- Brown Chenille
Repeat treadles 9 through 12 a 2nd time, until you have 8 shots.
13. Treadle # A, 20/2 Princeton Orange
14. Treadle # 2 & X--- Brown Chenille
15. Treadle # B, 20/2 Princeton Orange
16. Treadle # 2 & Y--- Brown Chenille
Repeat treadles 13 through 16 a 2nd time, until you have 8 shots.
17. Treadle # A, 20/2 Princeton Orange
18. Treadle # 1 & X--- Brown Chenille
19. Treadle # B, 20/2 Princeton Orange
20. Treadle # 1 & Y--- Brown Chenille
Repeat 17 through 20, a 2nd time until you have 8 shots.
21. Treadle # A, 20/2 Princeton Orange
22. Treadle # 2 & X--- Brown Chenille
23. Treadle # B, 20/2 Princeton Orange
24. Treadle # 2 & Y--- Brown Chenille
Repeat shots 21 through 24 two times until you have 8 shots.
25. Treadle # A, 20/2 Princeton Orange
26. Treadle # 3 & X--- Brown Chenille
27. Treadle # B, 20/2 Princeton Orange
28. Treadle # 3 & Y--- Brown Chenille
THIS UNIT OF # 25 through # 28, is repeated a total of 12 times until you have 48 shots or 24 pattern threads.
29. Treadle # A, 20/2 Princeton Orange
30. Treadle # 4 & X--- Brown Chenille
31. Treadle # B, 20/2 Princeton Orange
32. Treadle # 4 & Y--- Brown Chenille
Repeat treadles 29 through 32 a total of two times until you have 8 shots.
33. Treadle # A, 20/2 Princeton Orange
34. Treadle # 5 & X--- Brown Chenille
35. Treadle # B, 20/2 Princeton Orange
36. Treadle # 5 & Y--- Brown Chenille
Repeat treadles 33 through 36 a 2nd time, until you have 8 shots.
37. Treadle # A, 20/2 Princeton Orange
38. Treadle # 4 & X--- Brown Chenille
39. Treadle # B, 20/2 Princeton Orange
40. Treadle # 4 & Y--- Brown Chenille
Repeat treadles 37 through 40, a 2nd time, until you have 8 shots.
41. Treadle # A, 20/2 Princeton Orange
42. Treadle # 5 & X--- Brown Chenille
43. Treadle # B, 20/2 Princeton Orange
44. Treadle # 5 & Y--- Brown Chenille
Repeat shots 41 through 44 a second time, until you have 8 shots.
45. Treadle # A, 20/2 Princeton Orange
46. Treadle # 4 & X--- Brown Chenille
47. Treadle # B, 20/2 Princeton Orange
48. Treadle # 4 & X--- Brown Chenille
Repeat treadles 45 through 48 a second time, until you have 8 shots.
49. Treadle # A, ---20/2 Princeton Orange
50. Treadle # 5 & X,---Brown Chenille
51. Treadle # B, ---20/2 Princeton Orange
52. Treadle # 5 & Y, ---Brown Chenille
Repeat threads or shots 49 through # 52 a 2nd time until you have 8 shots.
END OF BLOCK # 3 or one complete pattern repeat. There are three units in one complete pattern. When you end this unit, you go back to # 1, and start over again.

First unit consists of shots 1 thru 24.
Second unit consists of pattern shots # 25 through 28, repeated 12 times.
Third unit consists of shots from # 29 through # 52.
HURRAH, HURRAH, End of One complete pattern unit.

COST OF THE THREADS USED:
The 20/2 Egyptian Cotton used for warp and tabby thread comes on 1/2 lb. cones, has 8400 yards per lb., and is priced at $7.00 per lb. There are about 90 different colors available.

The 8 cut rayon chenille in the Golden Brown color comes on tubes of about 12 ounces to 1 lb. in weight. It has about 1000 yards per lb., and the price is $4.00 per lb. We have 9 colors available in this weight at present.

COST OF THE FABRIC:
It took 1 lb. 12 oz. of warp thread for an 11 yard warp, 42" wide. Thus, the total cost came to $12.25 for the entire warp, or the cost per yard came to $1.12 per yard.

In the weft, we used 12 oz. of the Princeton Orange 20/2 tabby thread, and 6 lbs. of the chenille in 9 yards of fabric. Thus the total weft cost for 9-1/3 yards was $29.25, or the cost per yard was $3.14 per yard for the weft.

WARP COST PER YARD, 42" Wide $1.12
WEFT COST PER YARD---------- 3.14
Fabric cost per yard-------- $4.26

MORE ABOUT THIS FABRIC:
You could have a different tie-up than we have given on this project, but we felt it easier to weave it in this manner, using 2 feet, for easier and less tiring harness lifting, so thus our reasoning and instructions.

Actually, the pattern is somewhat hidden in the fabric because the 8 cut chenille is I feel, slightly heavy for the size of the warp used. If we had used a 10/2 cotton, the pattern would have shown to better advantage.

Also, be sure to look on the back of the sample. Notice the contrast in color, and how one side is dominated by the warp and the other by the weft. You can plan your fabric to take advantage of this, and use whichever side you like best.

The pattern was easy to weave, and there were no broken warp threads. Do notice how little the tabby thread does show up in this fabric. It is because the 8 cut rayon chenille was a little too heavy. If we had had a 12 cut chenille to use, I think it would have been the correct size.

You will notice that the A & B and the X & Y treadles a little different than normal on this summer and winter weave. We did this, so the right foot always moves in one direction, left to right, A, X, B, Y, the order in which you weave. This leaves the left foot free to select the correct pattern treadle, and thus making the treadling easier, and it helps you from making mistakes. If you have 12 treadles on your loom, this could be tied up for a walking treadling, and you could treadle from 1 to 12 in sequence for your different portions of pattern. This would also eliminate the X & Y tie-ups.
LEMON BEIGE:
An interesting 8 harness Summer and Winter weave, planned for upholstery, but usable in many other fabrics.

WARP:
The warp used is the 20/2 Mercerized and Gassed Egyptian Cotton in a color which is called "MEDOR".

WEFT USED:
Two threads are used in the weft, and one was the 20/2 Egyptian Cotton in the "Nile" Green color. This was used as the tabby or binder thread.

The pattern thread is a new thread just in from England marked "Animal Fiber." And it is in a light tan color, and we do not know what animal fibers were used in spinning this thread.

REED USED:
A 15 dent reed was used with 2 ends threaded in each dent, or 30 per inch.

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VOLUME 15, NUMBER 6  FEBRUARY, 1973

TREADLING SEQUENCE:
In every other shot, you will notice
that we used 2 treadles, on the even
numbered shots. On the odd numbered
shots in the weft, we just used one
treadle.

1. A ------- 20/2 Nile Cotton
2. 1 & X ---- Tan animal fiber
3. B ------- 20/2 Nile Cotton
4. 1 & Y ---- Tan animal fiber
REPEAT 2 Times, for 8 shots.
5. A ------- 20/2 Nile Cotton
6. 2 & X ---- Tan animal fiber
7. B ------- 20/2 Nile Cotton
8. 2 & Y ---- Tan animal fiber
Repeat 5 thru 8, two times for 8 shots
9. A ------- 20/2 Nile Cotton
10. 3 & X ---- Tan Animal fiber
11. B ------- 20/2 Nile Cotton
12. 3 & Y ---- Tan Animal fiber
REPEAT 9 thru 12, 2 times for 8 shots
13. A ------- 20/2 Nile Cotton
14. 4 & X ---- Tan Animal fiber
15. B ------- 20/2 Nile Cotton
16. 4 & Y ---- Tan Animal fiber
Repeat 13 thru 16, 2 times for 8 shots
17. A ------- 20/2 Nile Cotton
18. 5 & X ---- Tan animal fiber
20. 5 & Y ---- Tan Animal fiber
Repeat 17 thru 20, 2 times for 8 shots
21. A ------- 20/2 Nile Cotton
22. 6 & X ---- Tan Animal fiber
23. B ------- 20/2 Nile Cotton
24. 6 & Y ---- Tan Animal fiber
REPEAT 21 thru 24, 2 times for 8 shots
25. A ------- 20/2 Nile Cotton
26. 1 & X ---- Tan Animal fiber
27. B ------- 20/2 Nile Cotton
28. 1 & Y ---- Tan Animal fiber
Repeat 25 thru 28, 2 times for 8 shots
29. A ------- 20/2 Nile Cotton
30. 6 & X ---- Tan Animal fiber
31. B ------- 20/2 Nile Cotton
32. 6 & Y ---- Tan Animal fiber
Repeat 29 thru 32, 2 times for 8 shots
33. A ------- 20/2 Nile Cotton
34. 5 & X ---- Tan Animal fiber
35. B ------- 20/2 Nile Cotton
36. 5 & Y ---- Tan Animal fiber
Repeat 33 thru 36, 2 times for 8 shots
37. A ------- 20/2 Nile Cotton
38. 4 & X ---- Tan Animal fiber
39. B ------- 20/2 Nile Cotton
40. 4 & Y ---- Tan Animal fiber
Repeat 37 thru 40, 2 times for 8 shots
41. A ------- 20/2 Nile Cotton
42. 3 & X ---- Tan Animal fiber
43. B ------- 20/2 Nile Cotton
44. 3 & Y ---- Tan animal fiber
REPEAT 41 thru 44, 2 times for 8 shots
45. A ------- 20/2 Nile Cotton
46. 2 & X ---- Tan Animal Fiber
47. B ------- 20/2 Nile Cotton
48. 2 & Y ---- Tan Animal fiber
Repeat 45 thru 48, 2 times for 8 shots

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

This fabric was double treadled, that
is using 2 feet to push down two
treadles on every other shot. This, we
feel is the easiest way to do this, but
if your loom does have enough treadles,
you can tie it up so that you use only
one foot on a treadle at one time.

In this method used above, the right
foot treadles the A,X,B,Y treadles in
this sequence, and the left foot is
used for treadles 1 to 6.

However, with this treadling sequence,
you might find that one or two harnesses
might have a tendency to float, so you
will have to put a weight on them to make
them stay down in position.

COST OF THE THREADS USED:
The 20/2 Mercerized and Gassed Egyptian
cotton comes on 1/2 lb. tubes, has 8400
yards per pound, and is $7.00 per lb.
This applies to both the Medor and the
Nile Green in the egyptian cotton.

The animal fiber thread is one that
is quite reasonable in price, selling
for $3.20 per lb.

COST OF THE FABRIC:

Our warp was 42" wide, 30 threads per
inch, and 11 yards long. From this,
there was 9 yards and 3" of fabric. It
took 1 lb. 12 oz. of the Medor egyptian
cotton for warp, so the total warp cost
was $1.11 per yard, or total cost was
$12.25.

In the weft, there was used 12½ oz.
of the Nile Egyptian Cotton, and 4 lbs.
1 oz. of the Animal fiber was used.
Thus the total weft cost for 9 yards was
$18.25 and the cost per yard was $2.03
per yard.

WARP COST PER YARD, 42"WIDE----- $ 1.11
WEFT COST PER YARD,------------- $ 2.03

FABRIC COST PER YARD---------- $ 3.14
ENGLISH MAZE
This interesting 10 harness weave reminds one of the interesting mazes that you sometimes hear about in England of hedges. And, as the yarn is from England, thus our name.

SOURCE OF IDEA FOR THIS SAMPLE
The guild of Canadian Weavers has started trading bulletins with us, and I was inspired by their sample in one of their bulletins dated September, 1970 and so we took it from there, and here is the sample.

NOTE ABOUT THREADING DRAFT:
We had two threads we wanted to use, and as one was twice as heavy as the other, we doubled it in the warp, and each "0" in the threading draft is two ends of Spring Orange Lamb's Wool, Angorra, and Orlon. Thus each "(0)" in the threading draft is actually 2 threads used together to act as one thread. Each "(X)" is one end of Hickory Homespun wool tweed.

THREADING DRAFT

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NOTE ABOUT TREADLING:

Please note that in the treadling, as well as in the threading, we used the SPRING ORANGE, lamb's wool, angora and orlon yarn doubled on the bobbin, just as it was doubled in the heddles.

MORE ABOUT THE FABRIC:

We had a 12 yard warp, 42" wide on the loom, and when finished and off the loom, we had 10 yards and 6 inches of finished fabric. Off the loom, and before it was washed, it was about 40" wide.

The Spring Orange yarn is so soft and sort of tender that we thought there may be broken threads in the weaving. But in the entire warp, not one thread broke in the weaving. Some of you might find it much easier to weave this one, if you use a temple or stretcher.

We tried a sample at 16 per inch first, and couldn't get a balanced weave, so we then went to a 12 dent reed.

A hard, firm, even, double beat was used throughout the fabric. And once again, I feel it is important to beat with the shed open and not with the shed closed.

COST OF THE FABRIC:

In our 12 yard warp, 42" wide, it took 3 lbs. 1 oz. of the HICKORY HOMESPUN tweed yarn and 1 lb. 5 oz. of the SPRING ORANGE, combination yarn. At $4.00 per lb., the total cost was $17.50 for the warp, or the cost per yard was $1.46 per yard.

In the 10 yards and 6" of finished weft, there was used 2 lbs. 9 oz. of the HICKORY HOMESPUN and 1 lb. 2 oz. of the SPRING ORANGE. Thus the total weft cost for 10 yards and 6" was $14.75 or the approximate cost per yard was $1.48 per yard.

WARP COST PER YARD, 42" Wide--- $ 1.46
WEFT COST PER YARD---------- 1.48
FABRIC COST PER YARD--------- $ 2.94

TIE-UP DRAFT:

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SPRING ORANGE, 3800 yds. 1 lb. $4.00 lb.
HICKORY HOMESPUN, 1150 yds. 1 lb $4.00 lb.
PEPPERMINT CANDY

This is one of the most interesting 6 harness shadow weaves developed by Marion P. Carpenter. There are quite a few other treadlings that can be worked out on this set-up of the loom.

WARP THREADS USED:
We have used the imported English 2/18's worsted yarn used for both warp and weft in this project.
X—color # 20, Burgundy Red
0—color # 1, Ashes of Roses

WEFT THREADS USED:
The same two colors are used in the weft, as are used in the warp.

REED USED:
A 16 dent reed was used, and it was double sleyed, 2 ends per dent, or 32 threads per inch.

COST OF THE THREADS USED:
The 2/18's English Worsted Yarn comes in 39 colors. We have 37 on hand. It has 4800 yards per lb., comes on about 1/2 lb. cones, and is $6.80 per lb.

KEY TO COLORS IN THE WARP:
X—color # 20, Burgundy Red 2/18's Worsted
0—color # 1, Ashes of Roses 2/18's

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VOLUME 15, Number 8, April, 1973
**DRAFTS AND DESIGNS**

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

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VOLUME 15, Number 8. April, 1973

**MORE ABOUT THE FABRIC:**

First of all, I must tell you about this Shadow Weave. It is one of many developed by Marion Powell Carpenter, and we hope to be working with her in the publication of a booklet on shadow weaves. WE HOPE TO OFFER 100 different 4 to 8 harness patterns, with 1,000 different treadlings given.

Samples of all of these are being woven now, and it is hoped that in 4 to 6 months at the most, that we will have the publication available, complete with pictures and complete details of each of the patterns.

This six harness weave is an interesting and beautiful weave. Let me tell you a little more about it. You notice in the pattern in the sample, that we have an oval. We have 32 threads per inch in the warp, and if we had had less threads in the warp, say from 24 to perhaps 28 threads, then I'm positive that you can weave almost a perfect circle, as did Mrs. Carpenter in her sample, woven of cotton.

Secondly, you can use many different materials in the weaving of such a weave. Cotton, wool, silk, smooth rayons and synthetics. However, you will have to experiment and determine the correct sett to get the proper number of weft shots, to make a circle if that is what you want.

The fabric is easier to weave if you memorize the treadling, rather than trying to look at the written treadling to see where you are. Or, if you divide your treadling into units of threads, you will probably find it easier to follow.

**TREADLING SEQUENCE:**

Please note that there are 46 shots in one complete treadling sequence or pattern sequence. Also, it is important that you alternate the color in the sequence given, or you will change the pattern.

1. Treadle #1 Burgundy 24. Treadle #5 Pink
2. Treadle #2 Pink 25. Treadle #1 Burgundy
3. Treadle #1 Burgundy 26. Treadle #2 Pink
4. Treadle #2 Pink 27. Treadle #1 Burgundy
5. Treadle #1 Burgundy 28. Treadle #5 Pink
6. Treadle #2 Pink 29. Treadle #6 Burgundy
7. Treadle #3 Burgundy 30. Treadle #3 Pink
8. Treadle #4 Pink 31. Treadle #4 Burgundy
9. Treadle #3 Burgundy 32. Treadle #1 Pink
10. Treadle #4 Pink 33. Treadle #2 Burgundy
11. Treadle #3 Burgundy 34. Treadle #1 Pink
12. Treadle #4 Pink 35. Treadle #2 Burgundy
13. Treadle #5 Burgundy 36. Treadle #6 Pink
14. Treadle #6 Pink 37. Treadle #5 Burgundy
15. Treadle #5 Burgundy 38. Treadle #6 Pink
16. Treadle #6 Pink 39. Treadle #5 Burgundy
17. Treadle #2 Burgundy 40. Treadle #4 Pink
18. Treadle #1 Pink 41. Treadle #3 Burgundy
19. Treadle #2 Burgundy 42. Treadle #4 Pink
20. Treadle #1 Pink 43. Treadle #3 Burgundy
21. Treadle #4 Burgundy 44. Treadle #4 Pink
22. Treadle #3 Pink 45. Treadle #3 Burgundy
23. Treadle #6 Burgundy 46. Treadle #2 Pink

**NOTE:** # 46 is the end of one complete pattern repeat. Repeat over and over as desired.

**COST OF THE FABRIC:**

We had a 12 yard warp, 40" wide, and with 32 threads per inch. It took 1 lb. 9 oz. of each of the two colors for the warp or a total of 3 lbs. and 2 ounces for the warp, 12 yards long. The total warp cost was $21.25, and the cost per yard was $1.77 per yard for the warp.

In the weft, we used slightly less than 1 lb. of each color, and from the 12 yard warp, we have 10½ yards of a finished fabric. It has not been washed and pressed, and will be much softer and have a nicer hand when it is finished. The weft cost for 10½ yards is $13.60, or the cost per yard for the weft is $1.30 per yard.

WARP COST PER YARD, 40" Wide - $1.77
WEFT COST PER YARD------------------ 1.30
FABRIC COST PER YARD--------------- $3.07

**TIE-UP DRAFT:**

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7 PROJECTS IN ROSEPATH, by Berta Frey
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Order from Robin & Russ Handweavers, 533 N. Adams, McMinnville, Ore. 97128.
drafts and designs

a guide for 5 to 12 harness weaves

VOLUME 15, Number 9. May, 1973

INDIAN CORN HARVEST

This 5 harness shadow weave utilizes the colors of the fall harvest, so the girls in the shop suggested this name above.

WARP:

Two colors of our new 10/2 dryspun Scotch linen are used in the warp.
X--10/2 BOSSY BROWN Linen
0--10/2 ORANGE ORANGE Linen

WEFT:

There are four threads used in the weft, and they also are all linen, but are of two different weights.
X--10/2 BOSSY BROWN LINEN
0--2 ½ lea ORANGE ORANGE LINEN
A--10/2 STRAW GOLD LINEN, DOUBLED ON THE BOBBIN, TO ACT AS ONE THREAD.
B--2 ½ lea FARAKELT YELLOW SLUB LINEN

REED USED:

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

TREADLING SEQUENCE:

There are 36 shots in one complete pattern sequence, or treadling draft, and here is that sequence.

1. Treadle # 1 10/2 BOSSY BROWN LINEN

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2. Treadle # 2 2 ½ Lea Orange Orange Linen
3. Treadle # 1 10/2 BOSSY BROWN LINEN
4. Treadle # 2 2 ½ Lea Orange Orange Linen
5. Treadle # 1 10/2 BOSSY BROWN LINEN
6. Treadle # 2 2 ½ lea Orange Orange Linen
7. Treadle # 3 10/2 BOSSY BROWN LINEN
8. Treadle # 4 10/2 Straw Gold Linen, Doubled on the bobbin
9. Treadle # 3 10/2 BOSSY BROWN LINEN

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VOLUME 15, NUMBER 9, MAY, 1973

10. Treadle # 4 10/2 Straw Gold Linen, Doubled on the bobbin

11. Treadle # 3 10/2 BOSSY BROWN LINEN

12. Treadle # 4 10/2 Straw Gold Linen, Doubled on the bobbin

13. Treadle # 5 10/2 BOSSY BROWN LINEN

14. Treadle # 6 2 1/2 Lea Parakeet Yellow Linen

15. Treadle # 5 10/2 BOSSY BROWN LINEN

16. Treadle # 6 2 1/2 Lea Parakeet Yellow Linen

17. Treadle # 5 10/2 BOSSY BROWN LINEN

18. Treadle # 6 2 1/2 Lea Parakeet Yellow Linen

19. Treadle # 2 10/2 BOSSY BROWN LINEN

20. Treadle # 1 2 1/2 Lea Orange Orange Linen

21. Treadle # 2 10/2 BOSSY BROWN LINEN

22. Treadle # 1 2 1/2 Lea Orange Orange Linen

23. Treadle # 2 10/2 BOSSY BROWN LINEN

24. Treadle # 1 2 1/2 Lea Orange Orange Linen

25. Treadle # 4 10/2 BOSSY BROWN LINEN

26. Treadle # 3 10/2 Straw Gold Linen, Doubled on the bobbin

27. Treadle # 4 10/2 BOSSY BROWN LINEN

28. Treadle # 3 10/2 Straw Gold Linen, Doubled on the bobbin

29. Treadle # 4 10/2 BOSSY BROWN LINEN

30. Treadle # 3 10/2 Straw Gold Linen, Doubled on the bobbin

31. Treadle # 6 10/2 BOSSY BROWN LINEN

32. Treadle # 5 2 1/2 Lea Parakeet Yellow Linen

33. Treadle # 6 10/2 BOSSY BROWN LINEN

34. Treadle # 5 2 1/2 Lea Parakeet Yellow Linen

35. Treadle # 6 10/2 BOSSY BROWN LINEN

36. Treadle # 5 2 1/2 Lea Parakeet Yellow Linen

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

MORE ABOUT THIS FABRIC:

First of all, as this is a dry spun linen, it is a little fuzzier than a wet-spun linen, and as a result, there was a little tendency to cling together when one opens the shed. So, the thing to do is open your shed, beat hard, throw your shuttle, and then beat again with the shed still open. Then change to the next shed, beat, throw your shuttle, and beat again. This should eliminate the cling problem that is a problem in this fabric. And, another method of eliminating this, is to use a warp dressing. We have one called "WEAVOL" which tends to eliminate the clinging, makes the warp stronger, and is less of a problem to weave. We spray it on with a perfume atomizer onto the warp just in front of the reed where you are weaving, and each time we move the warp forward, we spray it again. Then, when you are finished weaving, you can dip your finished fabric in water, and the warp dressing or WEAVOL dissolves, and is no longer in the fabric.

Also, sometimes, one weave like this, helps to weight some harnesses, and this we did on this weave, and there is a reason for it. On most linen weaving, you seem to have a tighter tension than on cotton, silk, rayon or wool. As a result, there is more of a tendency for harnesses to float, and this is the reason for the weight on some or all of the harnesses.

Remember, on this weave, and extra firm, hard, double beat.

COST OF THE FABRIC:

In our 12 yard warp, 40" wide, sett at 20 per inch, we used 6 lbs. 8 oz. of linen size 10/2 in all. We used 3 lbs. 5 oz. of the Bossy Brown, and 3 lbs. 3 oz. of the Orange Orange. Thus, our total warp cost was $36.40, or the cost per yard, 40" wide was $3.54.

In the weft, we used 1 lb. 8 oz. of the Bossy Brown, 1 lb. of the 10/2 Straw Gold, and 1 lb. 2 oz. each of the 2 1/2 lea in Parakeet Yellow, and the Orange Orange. So in the weft of 10 yards and 13 inches, we used 4 lbs. 12 oz. of linen in the 2 sizes and 4 colors, or the weft cost was $26.60 in 10 1/2 yards of weft. The cost per yard of weft was 32.54 per yard.

WARP COST PER YARD, 40" wide---- $ 3.54
WARP COST PER YARD, 10 1/2 YDS---- 2.54
FABRIC COST PER YARD------ $ 6.18

This material should make excellent patio place-mats, or table cloths, and it would also make long wearing upholstery, and if washed several times, I feel it would be excellent in draperies.

COST OF THREADS USED:

We have 11 colors in 10/2 linen, both washfast and sunfast, on about 1 lb. cones at $5.60 per lb. 1500 yards per lb.

Also, our club linen, size 2 1/2 lea, has 750 yards per lb., comes in the same 11 colors, and is $5.60 per lb.

BOTH WERE SPUN AND DYED TO ORDER IN SCOTLAND, TO BE SUNFAST AND WASHFAST.
HOUND DOG

These alpaca yarns make up into an unusually soft and silky fabric like the soft ears of a hound dog. The design is a six harness hounds tooth check and the colors are even reminiscent of "Old Blue".

WARP:
Two threads are used in the warp, dark gray and light gray 100% alpaca from England. These yarns were very fine two ply and we had them wound 6 ends together to make a 6 fold yarn.

WEFT:
The same two alpaca yarns are used for weft.

REED USED:
An eight dent reed was used. It was double sleyed, two ends per dent or 16 threads per inch.

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Light gray alpaca = X
Dark gray alpaca = 0
DRAFTS AND DESIGNS
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TREADLING SEQUENCE:
The treadling is very easy. There are twelve shots per repeat. Just treadle 6 through 1 with the light gray shuttle, and then treadle 6 thru 1 again in the dark gray, and repeat.

1. Treadle #6 Light Gray Alpaca
2. Treadle #5 Light Gray Alpaca
3. Treadle #4 Light Gray Alpaca
4. Treadle #3 Light Gray Alpaca
5. Treadle #2 Light Gray Alpaca
6. Treadle #1 Light Gray Alpaca
7. Treadle #6 Dark Gray Alpaca
8. Treadle #5 Dark Gray Alpaca
9. Treadle #4 Dark Gray Alpaca
10. Treadle #3 Dark Gray Alpaca
11. Treadle #2 Dark Gray Alpaca
12. Treadle #1 Dark Gray Alpaca

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

MORE ABOUT THIS FABRIC:
It was surprising to find the alpaca so strong. There were no broken threads at all in the 12 yard warp. There was a problem with knots, however. The yarn does have knots and they slip apart easily. When I found a knot, I untied it and spliced the thread ends with Speedee Fabric Cement. Then there was no trouble from there on.

Be very careful with the beat. This yarn is soft and slippery and will pack very tight if beaten too hard.

This alpaca makes a very nice fabric. It is much softer and silkier than wool would be. It would make a beautiful short coat, hostess skirt or pants suit.

Remember to beat gently.

COST OF THE FABRIC:
The 6 fold English Alpaca has 830 yards per pound, and sells for $6.00 per pound. We also have this same yarn in medium gray camel, yellow and red.

Our warp was 12 yards long and 40" wide and sett at 16 ends per inch. We used 2 lb. 12 oz. dark gray alpaca and 2 lb. 7 oz. light gray alpaca for a total of 5 lb. 3 oz. and total warp cost of $31.11.
The cost per yard for the warp was $2.83.

In the weft we used 2 lb. 11½ oz. dark gray alpaca and 2 lb. 11 oz. light gray alpaca. The total weft was 5 lb. 6 oz. for a cost of $33.22 and $2.93 per yard.

WARP COST PER YARD, 40" wide --- $2.83
WEFT COST PER YARD, 11 yards --- $2.93
FABRIC COST PER YARD --------------- $5.76

This fabric is soft and luxurious. It would be excellent for dresses, jackets, skirts or slacks.

ANOTHER IDEA:
We tried a sample using our 2/13's worsted in black as warp. The effect was very nice and lively with the additional contrast. This does change effect of the hounds tooth design, though.