



drafts and designs

a guide for 5 to 12 harness weaves

VOLUME 15, Number 1. September, 1972

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.



TIE-UP DRAFT:

12	0		0	0				0				0
11			0			0	0	0		0	0	0
10	0	0	0			0				0		
9	0				0	0		0	0	0		0
8				0	0		0	0				0
7		0	0	0			0			0	0	0
6		0			0	0	0			0		
5	0	0		0	0				0	0		0
4				0				0	0		0	0
3		0	0	0		0	0	0				0
2		0				0			0	0	0	0
1	0	0		0	0	0		0	0			
	1	2	3	4	5	6	7	8	9	10	11	12

THREADING DRAFT:

12									X			X
11									0			0
10								X			X	
9								0			0	
8			X						X			
7		0							0			
6		X								X		
5	0								0			
4						▲				▲		
3					0				0			
2						▲				▲		
1					0				0			

DRAFTS AND DESIGNS

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VOLUME 15, Number 1. September, 1972

KEY TO COLORS IN THE WARP:

- X---Aqua Blue Spun Viscose
- O---White Spun Nylon
- A---Medium Green Spun Viscose

WARP THREADS USED:

Three different threads were used in the warp. They are as follows:

- X---An aqua spun viscose yarn imported from Switzerland, 2 ply.
- O---White spun nylon yarn, 2 ply, and made in the U.S.A.
- A---A medium green spun viscose yarn, imported from Switzerland, and in a 2 ply yarn also.

WEFT:

The same three threads that were used in the warp were also used in the weft.

REED USED:

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

COST OF THE THREADS USED:

The white, 2 ply nylon, has approximately 1150 yards per lb. It comes on approximately 1/2 lb. tubes, and is \$2.40 per lb.

The 2 colors in the Swiss, spun viscose yarn both have about 1150 yards per lb. We have limited amounts of these two colors, and it comes on approximately 1 lb. cones, and is \$4.00 per lb.

MORE ABOUT THE FABRIC:

Quite easy to weave, the main thing about this double weave is that you have a firm, even double beat, and make sure that you do not get your colors mixed up. On this beat, once again, I suggest you beat, change to the next shed and open the shed, and then beat again before you throw the next shuttle.

There were no problems in the weaving so there are no hints or short cuts or suggestions to give.

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 viscos
1. Treadle # 12, medium green viscose
2. Treadle # 11, 2 ply white nylon
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. 6 1/2 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
<u>FABRIC COST PER YARD-----</u>	<u>\$ 4.81</u>



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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.

TIE-UP DRAFT:

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



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,3--- one time
6. Treadle B,A,B,2--- one time

There are 24 shots in each complete pattern repeat. Repeat over and over as desired.

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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.

THREADING DRAFT:

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

Start.

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

End.

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

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 luke-warm water, allow to drip dry, and then steam press dry.

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



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VOLUME 15, Number 3, November, 1972

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.



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

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.

THREADING DRAFT:

8			W			T		T			W	
7			T			W	W				T	
6			W			T				T		W
5			T			W				W		T
4			W			T				T		W
3			T			W				W		T
2			W			T				T		W
1			W			T				W		T

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 plied. 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
9. Treadle # 2--- Tan Tussah Silk
10. Treadle # 1--- Natural silk & worsted
11. Treadle # 4--- Tan Tussah Silk
12. Treadle # 3--- Natural silk & worsted
13. Treadle # 6--- Tan Tussah Silk
14. Treadle # 5--- Natural silk & worsted
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
- RND 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 \$8.00 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 he 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
<u>WEFT COST PER YARD-----</u>	<u>1.62</u>
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.



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VOLUME 15, Number 4

December, 1972.

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 treading, 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, Grenadier 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.

TIE-UP DRAFT:

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



TREADING SEQUENCE:

There are 22 shots in the treading 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

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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

THREADING DRAFT:

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

Start.

Thus the weft for 9 yards was \$14.00
 or the cost per yard \$1.56 per yard.
 Warp 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	
7	
6	C C C C
5	C C C C
4	D D D D
3	D D D D
2	
1	

End.

- 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.

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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:

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

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 1,000 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

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 treading easier, and it helps you from making mistakes. If you have 12 treadles on your loom, this could be tied up for a walking treading, 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.

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.



drafts and designs

a guide for 5 to 12 harness weaves

VOLUME 15, Number 6 February, 1973

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.



THREADING 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	X	X	X	X	X	X	X	X	X
1	X	X	X	X	X	X	X	X	X	X	X	X	X
	2X	2X	2X	2X	2X	2X	2X	2X	2X	2X	2X	2X	2X

TIE-UP DRAFT:

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

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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
19. B ----- 20/2 Nile Cotton
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
<u>FABRIC COST PER YARD-----</u>	<u>\$ 3.14</u>



drafts and designs

a guide for 5 to 12 harness weaves

VOLUME 15, Number 7, March, 1973.

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

10									X																
9									0		0														
8									X										X						
7									0										0						
6									X										X						
5									0										0						
4									X										X						
3									0										0						
2	0		X		X		X									X	X	X	0	X	X	X	X	X	X
1	0		0		0		X									X	0	0	0	0	X	X	X	X	X



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VOLUME 15, Number 7, March, 1973.

WARP USED:

Two threads were used in the warp. One is an English tweed yarn, which is two ply and is the "X" yarn and is called Hickory Homespun.

The other thread is a thread we called Spring Orange, and it is a combination of Lambs Wool, Angorra, and Orlon. As it was quite a bit finer, 2 ends were put in one heddle and then through one dent of the reed to act as one thread.

WEFT USED:

The same two threads that were used in the warp, HICKORY HOMESPUN AND SPRING ORANGE, were both used in the weft.

REED USED:

A 6 dent reed was used, and it was double sleyed, 2 ends per dent. Actually, sometimes there were 3 ends per dent, but two were acting as one thread, and then the heavier wool tweed was the other.

TREADLING SEQUENCE:

Note that there are 20 shots in each complete pattern repeat. The treadling sequence is as follows:

1. Treadle # 9, Hickory Homespun Tweed
 2. Treadle #10, Hickory Homespun Tweed
 3. Treadle # 9, Hickory Homespun Tweed
 4. Treadle # 8, SPRING ORANGE DOUBLED
 5. Treadle # 7, Hickory Homespun Tweed
 6. Treadle # 6, SPRING ORANGE DOUBLED
 7. Treadle # 5, Hickory Homespun Tweed
 8. Treadle # 4, SPRING ORANGE DOUBLED
 9. Treadle # 3, Hickory Homespun Tweed
 10. Treadle # 2, SPRING ORANGE DOUBLED
 11. Treadle # 1, Hickory Homespun Tweed
 12. Treadle # 2, SPRING ORANGE DOUBLED
 13. Treadle # 3, Hickory Homespun Tweed
 14. Treadle # 4, SPRING ORANGE DOUBLED
 15. Treadle # 5, Hickory Homespun Tweed
 16. Treadle # 6, SPRING ORANGE DOUBLED
 17. Treadle # 7, Hickory Homespun Tweed
 18. Treadle # 8, SPRING ORANGE DOUBLED
 19. Treadle # 9, Hickory Homespun Tweed
 20. Treadle #10, Hickory Homespun Tweed
- End of one complete pattern repeat. Repeat over and over as desired.

NOTE ABOUT TREADLING:

Please note that in the treadling, as well as in the threading, we used the SPRING ORANGE, lamb's wool, angorra 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:

10			X	X	X	X		
9	X			X	X	X	X	
8		X			X	X	X	
7	X	X			X	X	X	
6		X	X			X	X	
5	X	X	X			X	X	
4		X	X	X			X	
3	X	X	X	X				X
2		X	X	X	X	X	X	
1	X	X	X	X	X	X	X	
	1	2	3	4	5	6	7	8 9 10

SPRING ORANGE, 3800 yds. lb. \$4.00 lb.
HICKORY HOMESPUN, 1150 yds. lb \$4.00 lb.



drafts and designs

a guide for 5 to 12 harness weaves

VOLUME 15, Number 8, April, 1973

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
- O--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
- O--color # 1, Ashes of Roses 2/18's

THREADING DRAFT:

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

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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.

TIE-UP DRAFT:

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

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.

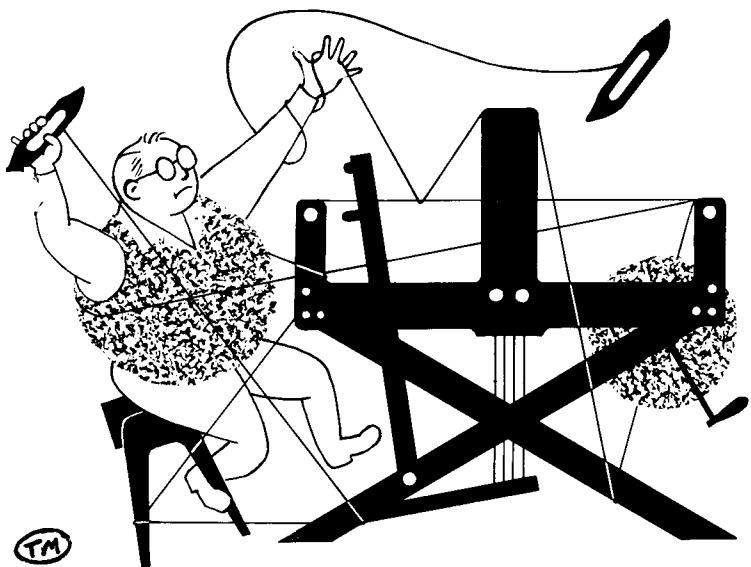
COST OF THE FABRIC:

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

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drafts and designs

a guide for 5 to 12 harness weaves

VOLUME 15, Number 9. May, 1973

INDIAN CORN HARVEST

This 6 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 Scottish linen are used in the warp.

- X--10/2 BOSSY BROWN Linen
- O--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
- O--2½ lea ORANGE ORANGE LINEN
- A--10/2 STRAW GOLD LINEN, DOUBLED ON THE BOBBIN, TO ACT AS ONE THREAD.
- B--2½ lea PARAKEET 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

THREADING DRAFT:

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



2. Treadle # 2 2½ Lea Orange Orange Linen
3. Treadle # 1 10/2 BOSSY BROWN LINEN
4. Treadle # 2 2½ Lea Orange Orange Linen
5. Treadle # 1 10/2 BOSSY BROWN LINEN
6. Treadle # 2 2½ 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

TIE-UP DRAFT:

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

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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 2½ Lea Parakeet Yellow Linen
15. Treadle # 5 10/2 BOSSY BROWN LINEN
16. Treadle # 6 2½ Lea Parakeet Yellow Linen
17. Treadle # 5 10/2 BOSSY BROWN LINEN
18. Treadle # 6 2½ Lea Parakeet Yellow Linen
19. Treadle # 2 10/2 BOSSY BROWN LINEN
20. Treadle # 1 2½ Lea Orange Orange Linen
21. Treadle # 2 10/2 BOSSY BROWN LINEN
22. Treadle # 1 2½ Lea Orange Orange Linen
23. Treadle # 2 10/2 BOSSY BROWN LINEN
24. Treadle # 1 2½ 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 2½ Lea Parakeet Yellow Linen
33. Treadle # 6 10/2 BOSSY BROWN LINEN
34. Treadle # 5 2½ Lea Parakeet Yellow Linen
35. Treadle # 6 10/2 BOSSY BROWN LINEN
36. Treadle # 5 2½ 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, on a weave like this,
it 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 \$3.64.

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 2½ lea in
Parakeet Yellow, and the Orange Orange.
So in the weft of 10 yards and 18 inches,
we used 4 lbs. 12 oz. of linen in the
2 sizes and 4 colors, or the weft cost
was \$26.60 in 10½ yards of weft. The
cost per yard of weft was \$2.54 per yard.

WARP COST PER YARD, 40" wide---- \$ 3.64

WEFT COST PER YARD-10½ yds----- 2.54

FABRIC COST PER YARD----- \$ 6.18

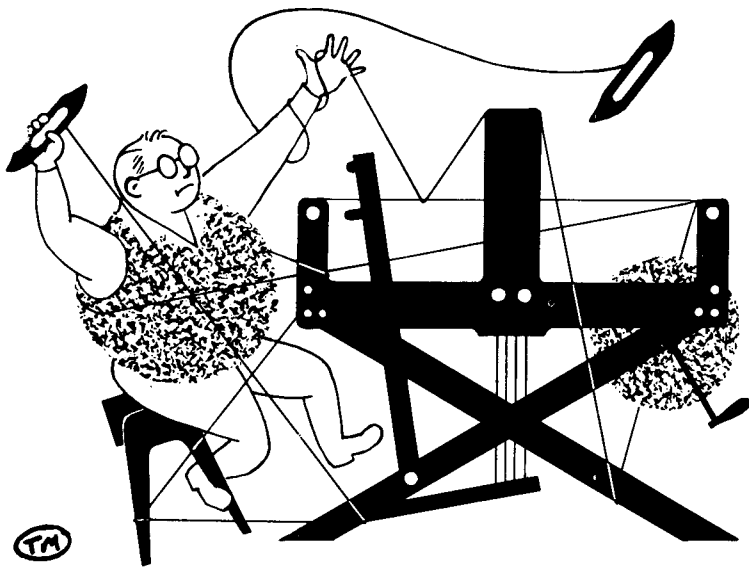
This material should make excellent patio
place-mats, or table cloths, and it would
also make long wearing upholstery, and if
washed several times, I feel it would be
excellent in draperies.

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 slub linen, size 2½ 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.



drafts and designs

a guide for 5 to 12 harness weaves

Volume 15, Number 10. June, 1973

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.

TIE-UP DRAFT:

6	0	0					0	0	0	0		
5	0	0	0				0	0	0			
4		0	0	0			0	0				0
3			0	0	0		0				0	0
2				0	0	0				0	0	0
1					0	0			0	0	0	0
	1	2	3	4	5	6	7	8	9	10	11	12



THREADING DRAFT:

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

Light gray alpaca = X
Dark gray alpaca = 0

DRAFTS AND DESIGNS

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Volume 15, Number 10, June, 1973.

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 \$32.22 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 luxuriant. It would be excellent for dresses, jackets, skirts or slacks.

ANOTHER IDEA:

We tried a sample using our 2/19'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.