DOUBLE FOUR SQUARE

This is an interesting 6 harness basket weave with a surface pattern for use in upholstery or drapery. It could be adapted for many other uses with the proper choice of color, texture and materials.

WARP - There are two threads used in the warp. They are 10/2 mercerized bottle green cotton, and a perle 5 cotton, mercerized, in black.

WEFT - There are four threads used in the weft. The same two threads as used in the warp are two of them, and for the white surface design, we used a rayon boucle with cotton as one thread, and the 2nd thread was a spiral twist rayon boucle and gold. These latter two threads were wound together on one bobbin and used as a single weft thread to create the pattern.

REED USED - A 15 dent reed was used with a special slewing of the reed.

THREADING DRAFT

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SPECIAL SLEYING OF REED - There are 46 threads of bottle green and then two threads of black repeated over and over throughout the pattern. The bottle green are sleyed 2 ends per dent, and then the black perle 5 is single sleyed one end per dent.

Sample on next page
This fabric is actually quite easy to weave, and should present no unusual problems in the weaving. I think that your main problem will be the doubling of the two threads, and making sure that you have no loops when you do wind two ends together. When you are winding the two ends together, if you can put them under a slight tension, you will find that you obtain better results than if you wind directly from two cones.

Also, another thing that I noticed is that no matter how hard I beat, when I was doing the portion with the white surface pattern, I could never beat it as tightly as when I was weaving the bottle green area of plain weave.

However, I do suggest on this fabric you use a firm, double beat for both the pattern area and the plain weave area.

COST OF THE FABRIC

We had a warp, 43-1/2" wide, and 7 yards long. It took 2 lbs. 2 oz. of the bottle green cotton for warp. It also took 2 oz. of the black perle 5 mercerized cotton. The bottle green cotton is $3.50 per lb. and the 5/2 black cotton is $3.00 per lb. Thus the total cost for 7 yards of warp, 43-1/2" wide was $7.92.

The warp cost per yard was $1.13 per yard.

In the weft we used 1 lb. 10 oz. of the bottle green. We used 2 oz. of the 5/2 black mercerized cotton. We used 13 oz. of the rayon & cotton boucle and 1/4 oz. of the spiral twist rayon boucle with gold. All this came to $11.60 for the cost of the weft threads and we had SIX YARDS OF FINISHED FABRIC. Thus the weft cost per yard was $.193 per yard.

WARP COST PER YARD, 43-1/2" Wide $1.13
WEFT COST PER YARD ..................... 1.93
FABRIC COST PER YARD, 40" WIDE $3.06

COST AND FACTS OF THREAD USED. The 10/2 bottle green has 4200 yards per lb., comes on 1 lb. cones, and is $3.50 per lb. The perle 5 black may be purchased on 2 oz. spools, with 260 yards per spool, and is 149¢ per spool.

The natural spiral twist rayon boucle with gold twist comes on 1/2 lb. cones, and is $3.20 per lb. It has about 1500 yards per lb.

The natural, rayon and cotton boucle has 1400 yards per lb., and is $3.20 per lb. It comes on 1 lb. cones.

MORE ABOUT THE FABRIC:

Remember, as this is a basket weave, all of the weft threads are doubled or that is, 2 ends are wound together. This means that the two different boucles are wound together as one thread, and that the 10/2 bottle green and the 5/2 perle cotton in black are both doubled or two ends wound together on one bobbin.
SHADOWS AND DIAMONDS
This interesting 8 harness shadow weave is woven of silk and ramie, an unusual combination of material.

WARP
Two threads were used in the warp. One was the 6/2 spun douppioni silk in olive green, with 5,000 yards per lb.
The other thread was the 20/2 mercerized ramie, size 20/2, color turquoise blue with 3,000 yards per lb.

WEFT
The same two threads used in the warp were also used as the weft threads in this fabric.

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

THREADING DRAFT

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| 1 | 0 | X | X | 0 | 0 | X | X | X | X | 0 |
| 2 | 0 | X | X | 0 | 0 | X | 0 | 0 | 0 | X |
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| 6 | X | 0 | 0 | 0 | 0 | X | 0 | X | X | 0 |
| 7 | X | 0 | 0 | 0 | X | 0 | X | X | X | 0 |
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THREADING DRAFT COLOR KEY:
X - 20/2 Mercerized Ramie, Turquoise Blue
0 - 6/2 Douppioni Silk, Olive Green

MORE ABOUT THIS FABRIC:
When this fabric was finished, it was quite stiff because of the ramie. Robin
In the mercerized ramie, there are 10 different colors available, and in the 6/2 silk, we have about 8 different colors in stock.

A FREE SAMPLE SHEET OF THE MERCERIZED RAMIE AND THE 6/2 SILK WILL BE SENT TO YOU UPON REQUEST.

COST OF THE FABRIC
In the warp, 40" width, 7 yards long, it took 1 lb. 2-1/2 oz. of the 20/2 Turquoise Blue Ramie; and it took 12-1/2 oz. of the 6/2 douppioni silk for warp. Thus the total warp cost was $11.25 or the cost per yard was $1.61.

In the weft, we used 1 lb. of the turquoise blue ramie, and 11 oz. of the olive green silk. The total cost of the weft was $9.84, and we had 5 yards and 30 inches of finished fabric.

WARP COST PER YARD...... $1.61
WEFT COST PER YARD....... 1.69
FABRIC COST PER YARD.... $3.30

TREADLING SEQUENCE
1. Treadle #5, Turq. Blue Ramie
2. Treadle #1, 6/2 Olive Green
3. Treadle #6, Turq. Blue Ramie
4. Treadle #2, 6/2 Olive Green
5. Treadle #7, Turq. Blue Ramie
6. Treadle #3, 6/2 Olive Green
7. Treadle #8, Turq. Blue Ramie
8. Treadle #4, 6/2 Olive Green
9. Treadle #1, Turq. Blue Ramie
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13. Treadle #3, Turq. Blue Ramie
14. Treadle #7, 6/2 Olive Green
15. Treadle #4, Turq. Blue Ramie
16. Treadle #8, 6/2 Olive Green
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18. Treadle #8, 6/2 Olive Green
19. Treadle #4, Turq. Blue Ramie
20. Treadle #7, 6/2 Olive Green
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22. Treadle #6, 6/2 Olive Green
23. Treadle #2, Turq. Blue Ramie
24. Treadle #8, 6/2 Olive Green
25. Treadle #5, 6/2 Olive Green
26. Treadle #1, Turq. Blue Ramie
27. Treadle #4, 6/2 Olive Green
28. Treadle #8, Turq. Blue Ramie
29. Treadle #7, Turq. Blue Ramie
30. Treadle #2, 6/2 Olive Green
31. Treadle #6, Turq. Blue Ramie
32. Treadle #1, 6/2 Olive Green

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

COST OF THREADS IN THE FABRIC
The 20/2 Mercerized Ramie comes on either 4 oz. spools or 1 lb. cones. It is $5.00 per lb., or $1.25 per 4 oz. spool with 3,000 yards per lb.

The 6/2 spun douppioni silk has 5,000 yards per lb. It is a 4 ply thread, so is excellent for warp or for weft. It is $7.00 per lb. or $2.00 per 4 oz. spool.
TAYSUKVIKAS: This is an 8 harness Summer and Winter weave, with 3 tie-down threads instead of the usual 2 tie-downs. This FINNISH word, translated, means ALL-OVER PATTERN.

WARP: 20/2 Cotton Lavender - Blue.

WEFT: There are two threads in the weft which are as follows:

1. The black thread is 3 ends of a 12/1 Black silk all wound together on one bobbin to act as one thread.
2. The blue is a 12 cut rayon chenille.

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

THREADING DRAFT: We are going to give you three repeats of the threading draft because the tie down threads in each repeat change, so you can actually call the three repeats one threading draft, but it will give you three repeats of the pattern. Remember, read from right to left on each of the three units of the draft.

COST OF THE THREADS USED: The warp thread of 20/2 Egyptian Cotton in Lavender is $5.50 per lb., and comes on 1/2 lb. spools with 8400 yards per lb.

The black silk which we tripled comes on about 1 lb. cones, and is priced at $4.00 per lb. If you wish it tripled, we charge 50¢ per lb. extra for doing this.

The 12 cut rayon chenille in blue is $3.50 per lb., on 1/2 lb. tubes. Different colors in this are available from time to time, but there is no consistent standard line of colors available. Write for samples if you desire to see what is available in the 8 cut and 12 cut chenille. About 15 colors are available at present.
DRAFTS AND DESIGNS

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Volume 8, Number 3, November, 1965

THREADING DRAFT:

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

Once again, the pattern is the same in each of the three repeats, but the tie-downs change. You could use a profile draft and thread from a profile, if you remember and use the correct tie-down sequence. Here is the profile draft.

PROFILE DRAFT

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Each number in the profile draft above represents 4 threads; two of them pattern and two of them tie-downs, with the tie-downs changing from harnesses 3 to 2 and 1 in sequence, over and over.

TREADLING SEQUENCE: The treadling sequence is long and exacting, but essential in order to get your pattern correct.

TREADLING FOR SMALL FIGURE:

1. Treadle 1 & 10 together - blue c.
2. Treadle 1 & 11 together - black s.
3. Treadle 2 & 10 together - blue c.
4. Treadle 2 & 11 together - black s.

This makes the pointed end of the small figure.

5. Treadle 3 & 8 together - blue c.
6. Treadle 3 & 9 together - black s.
7. Treadle 1 & 8 together - blue c.
8. Treadle 1 & 9 together - black s.
9. Treadle 2 & 8 together - blue c.
10. Treadle 2 & 9 together - black s.

Repeat #5 through #10, 4 times or a total of 24 threads to make the main body of the small figure.

11. Treadle 3 & 10 together - blue c.
12. Treadle 3 & 11 together - black s.
13. Treadle 1 & 10 together - blue c.
14. Treadle 1 & 11 together - black s.

These last 4 threads make the other point-

START OF THE LARGE FIGURE

15. Treadle 2 & 4 together - blue c.
16. Treadle 2 & 5 together - black s.
17. Treadle 3 & 4 together - blue c.
18. Treadle 3 & 5 together - black s.

This is the start or point of the large figure. (4 threads)

19. Treadle 1 & 6 together - blue c.
20. Treadle 1 & 7 together - black s.
22. Treadle 2 & 7 together - black s.
23. Treadle 3 & 6 together - blue c.
24. Treadle 3 & 7 together - black s.

Repeat #19 through 24 - a total of 7 times or 42 threads. Then:

25. Treadle 1 & 6 together - blue c.
26. Treadle 1 & 7 together - black s.

This ends the center of the large figure. Then the last 4 threads of the point of the large figure are:

27. Treadle 2 & 4 together - blue c.
28. Treadle 2 & 5 together - black s.
29. Treadle 3 & 4 together - blue c.
30. Treadle 3 & 5 together - black s.

THIS IS THE END OF ONE PATTERN REPEAT.

There are a total of 84 threads in one pattern repeat.
SIX (6) HARNESS PIQUE:

This sample is an interesting sample of a 6 harness pique, one of the unusual techniques that you seldom see woven on a handloom.

WARP USED:

Two threads were in the warp, as you see from the draft above. Those marked X were a 2/16's worsted yarn in Crimson Red which has 4200 yards per lb. The 0's were the 20/2 Black Egyptian cotton.

WEFT USED:

There were also two threads in the weft. One was a royal blue egyptian cotton, size 20/2, and the other was the 2/16's worsted yarn in Crimson Red. When we ran out of the Crimson Red in the 2/16's worsted, we finished the sample using a 2/18's Fabri in the color called Crimson.

THREADING DRAFT:

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**KEY TO THREADS IN THREADING DRAFT:**

X - 2/16's WORSTED, in Crimson Red

0 - 20/2 Black Egyptian Cotton

REED USED:

A 12 dent reed was used, and it was triple sleyed, with 2 ends of 20/2 black egyptian cotton, and one end of the 2/16's Crimson Red Worsted in each dent. Thus, the set was 36 threads per inch.
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Volume 8, Number 4, December, 1965

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TREADLING SEQUENCE:

6. Treadle 1 - 20/2 Blue Egy. Cotton
7. Treadle 2 - 20/2 Blue Egy. Cotton
8. Treadle 3 - 20/2 Blue Egy. Cotton
9. Treadle 4 - 20/2 Blue Egy. Cotton
10. Treadle 5 - 20/2 Blue Egy. Cotton
11. Treadle 6 - 2/16's Crimson Worsted
12. Treadle 7 - 2/16's Crimson Worsted
13. Treadle 8 - 2/16's Crimson Worsted
14. Treadle 9 - 2/16's Crimson Worsted
15. Treadle 10 - 2/16's Crimson Worsted
16. Treadle 11 - 2/16's Crimson Worsted
17. Treadle 12 - 2/16's Crimson Worsted
18. Treadle 13 - 2/16's Crimson Worsted
19. Treadle 14 - 2/16's Crimson Worsted
20. Treadle 15 - 2/16's Crimson Worsted
21. Treadle 16 - 2/16's Crimson Worsted
22. Treadle 17 - 2/16's Crimson Worsted
23. Treadle 18 - 2/16's Crimson Worsted
24. Treadle 19 - 2/16's Crimson Worsted

This is the end of one repeat. There are actually 48 threads in one repeat.

MORE ABOUT THIS FABRIC:

You want to use a firm, double beat in the weaving of such a fabric. It will help define the red diamond pique if you do this.

Also, we used a worsted yarn in the crimson color as the thread to form the pique and a cotton as the main background. It was our thought that if we did this, there would be a little more shrinkage in the worsted and this should make the raised effect a little more distinct if the fabric is washed.

It is actually the crimson wool warp thread that does the tying together or the quilting of the two fabrics. The crimson weft threads nearly interlace with the red warp threads to make a better back to the fabric, and to make more of a pile effect.

Most double weave fabrics are rather slow to weave, and this one is no exception. This is particularly true, because we used a fine 20/2 egyptian cotton. If we had used a heavier thread, of course, it would have been a little faster.

I should also mention that we used a double warp beam in this fabric. We do not have a double warp beam on our multiple harness loom, so we just backed up another loom next to the multiple harness one and used the two warp beams back to back. The black cotton was warped on the multiple harness loom, and the Crimson red worsted was warped on another loom warp beam. These were taken together and put onto one loom, even though the warp came from the beams of two looms.

One more thing I should emphasize about this fabric is the fact that the tighter your red tie-down threads are on this fabric, the puffier the diamonds will be.

COST OF THE FABRIC

We used 14 oz. of the black 20/2 Egyptian in a 7 yard warp. This costs $5.50 per lb. We used 14 oz. of the 2/16's Crimson worsted, and this costs $8.00 per lb., and comes on 2 oz. spools. Thus, the warp cost for 7 yards of warp was $11.82.

In the weft, we used 13 oz. of the 20/2 blue egyptian cotton, and 1 lb. 6 oz. of wool. Thus the total weft cost was $15.48.
LIGHT AND DARK - A SHADOW WEAVE

We have used the 20/2 mercerized Ramie as warp and weft in this 8 harness shadow weave, as a suggested drapery.

WARP USED:

X - 20/2 Mercerized Ramie in a color called Honey Dew Maize
0 - 20/2 Mercerized Ramie in a color called Golden Brown

WEFT USED:

The same two colors as 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.

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NOTE: 40 threads in one repeat - 21 dark threads - 19 light threads

KEY TO THREADS IN THREADING DRAFT:

0 - 20/2 Merc. Ramie Golden Brown
X - 20/2 Merc. Ramie Honey Dew Maize
DRAFTS AND DESIGNS

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VOLUME 8, Number 5, January 1966

TIE-UP DRAFT:

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TREADLING SEQUENCE:
1. Treadle #7 - Golden Brown Ramie
2. Treadle #8 - Honey Dew Maize Ramie
3. Treadle #1 - Golden Brown Ramie
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17. Treadle #3 - Golden Brown Ramie
18. Treadle #4 - Honey Dew Maize Ramie
19. Treadle #3 - Golden Brown Ramie
20. Treadle #6 - Honey Dew Maize Ramie
21. Treadle #5 - Golden Brown Ramie
22. Treadle #6 - Honey Dew Maize Ramie
23. Treadle #5 - Golden Brown Ramie
24. Treadle #8 - Honey Dew Maize Ramie
25. Treadle #7 - Golden Brown Ramie
26. Treadle #8 - Honey Dew Maize Ramie
27. Treadle #7 - Golden Brown Ramie
28. Treadle #2 - Golden Brown Ramie
29. Treadle #1 - Honey Dew Maize Ramie
30. Treadle #4 - Golden Brown Ramie
31. Treadle #3 - Honey Dew Maize Ramie
32. Treadle #6 - Golden Brown Ramie
33. Treadle #5 - Honey Dew Maize Ramie
34. Treadle #8 - Golden Brown Ramie
35. Treadle #7 - Honey Dew Maize Ramie
36. Treadle #8 - Golden Brown Ramie
37. Treadle #5 - Honey Dew Maize Ramie
38. Treadle #6 - Golden Brown Ramie
39. Treadle #3 - Honey Dew Maize Ramie
40. Treadle #4 - Golden Brown Ramie
41. Treadle #1 - Honey Dew Maize Ramie
42. Treadle #2 - Golden Brown Ramie

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

MORE ABOUT THIS FABRIC:
This fabric was washed in an automatic washing machine using the full cycle of washing and extracting. It was put in the dryer for about 10 minutes, and then steam pressed.
We felt that this was necessary, as it seemed quite open when it came off the loom. Because of the fact it was so open, I would like to suggest that you use a firm, double beat. Beat after you throw the shuttle, change to the next treadle and then beat again.
I don't think that this sample will show to good advantage in the sample attached, but in a full piece of yardage, it is very attractive and would make excellent yardage for drapes.
Also, you could set this at 30 threads per inch, use a firm double beat, and you might like this a little better. However, if you do this, the weft will not pack in as tightly, and the pattern will be enlarged slightly.

COST OF THE THREADS USED:
This mercerized ramie comes on 1 lb. cones and 4 oz. spools in size 20/2 only, and has 3,000 yards per lb. It is $5.00 per lb., or $1.25 per 4 oz. spool. There are 10 different colors available at present, and a free sample sheet will be sent upon your request.

COST OF THE FABRIC:
We had a warp, 10" wide, and 7 1/2 yards in length. It took 1 lb. 3 oz. of the 20/2 Golden Brown Ramie and 1 lb. 1 1/2 oz. of the Honey-Dew Maize for the 7 1/2 yard warp. Thus the warp cost was $1.52 per yard for the 7 1/2 yards.
We received about 6 1/2 yards of finished fabric from this 7 1/2 yard warp. It took 13 1/2 oz. of each of the two colors for weft in the 6 1/2 yards. Thus the weft cost was $1.30 per yard.

WARP COST PER YARD............... $ 1.52
WEFT COST PER YARD............... 1.30

FABRIC COST PER YARD, 40" WIDE $ 2.82
SPRING-GREEN - An interesting extended point twill in an 8 harness weave, which would be excellent for upholstery, drapery and for table-linens.

WARP - The warp is a 20/2 Mercerized Ramie in a color called "MEADOW GREEN".

WEFT - The weft is a size 20/2 linen, un-mercerized, in a Light Green Color.

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

FIRST TIE-UP -- EASIEST WEAVING RESULTS WHEN YOU USE THIS TIE-UP.

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TREADLING SEQUENCE:

- Treadle #1 - 20/2 Light Green Linen
- Treadle #2 - 20/2 Light Green Linen
- Treadle #3 - 20/2 Light Green Linen
- Treadle #4 - 20/2 Light Green Linen
- Treadle #5 - 20/2 Light Green Linen
- Treadle #6 - 20/2 Light Green Linen
- Treadle #7 - 20/2 Light Green Linen
- Treadle #8 - 20/2 Light Green Linen
- Treadle #9 - 20/2 Light Green Linen
- Treadle #10 - 20/2 Light Green Linen
- Treadle #11 - 20/2 Light Green Linen
- Treadle #12 - 20/2 Light Green Linen
- Treadle #13 - 20/2 Light Green Linen
- Treadle #14 - 20/2 Light Green Linen
- Treadle #15 - 20/2 Light Green Linen
However, with one washing of your ramie fabric, this fuzziness seems to disappear entirely.

Also, notice the nice sheen that this fabric has. This is because the Ramie has been mercerized, and is very similar to a Knox Mercerized Linen. The pattern that is on top is the ramie, and on the underside of the fabric, you see the light green linen as the dominant pattern thread.

Another thing that I wanted to mention is that this pattern would make excellent table linens or place-mats. You could also do something that would make it even more attractive. If you have a 10 harness loom, I would suggest a border of about 20 threads of plain weave threaded on harnesses 9 and 10, and then the pattern threaded the width of the fabric, and then the plain weave on the other selvage edge. Thus, you could have a plain weave border all around the edge of the mat, and then have the center of the mat in pattern.

**COST OF THE THREADS USED:**
1. The 20/2 Meadow Green Mercerized Ramie is $5.00 per lb. It has 3,000 yards per lb., and is available on 1 lb. cones or 4 oz. spools.
2. The 20/2 Light Green Linen has 3,000 yards per lb. also, and comes on a 1 lb. cone. This linen is priced at $6.10 per lb.

**COST OF THE FABRIC:** We had a 7 yard warp, 40" wide, 30 ends per inch, and this took 2 lbs. 12 oz. of the 20/2 mercerized Meadow Green Ramie. Thus, the warp cost was $13.75 for the 40" width material. This makes the warp cost come to $1.97 per yard.

In the weft, we used 1 lb. 4 oz. of the 20/2 light green linen, for 6 yards of finished fabric. Thus the weft cost for 6 yards was $7.63, or the total cost of weft per yard was $1.27.

**WARP COST PER YARD** .................$ 1.97
**WEFT COST PER YARD** ............... $ 1.27
**FABRIC COST PER YARD** ............. $3.24

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| Treadle #4 | 20/2 Light Green Linen |
| Treadle #3 | 20/2 Light Green Linen |
| Treadle #2 | 20/2 Light Green Linen |
| Treadle #1 | 20/2 Light Green Linen |
| Treadle #2 | 20/2 Light Green Linen |
| Treadle #3 | 20/2 Light Green Linen |
| Treadle #3 | 20/2 Light Green Linen |
| Treadle #2 | 20/2 Light Green Linen |

**END OF ONE REPEAT - REPEAT OVER AND OVER AS DESIRED.** On your last repeat, end with Treadle #1- 20/2 Light Green Linen to balance pattern, so that it ends as it begins.

**MORE ABOUT THIS FABRIC:** First of all, it is important that you use a firm, double beat, and even if you wish, a triple beat, so that the linen will pack in tightly on the ramie warp.

Surprisingly, we had a little more trouble than anticipated with the 20/2 Meadow Green Mercerized Ramie. It had a few more knots than normal, so at one time, there were 7 spools hanging from the back of the loom. There was a slight tendency for the warp to cling together. However, this can be solved by using the tie-up, where just 3 harnesses are raised on each treadle, instead of 5 harnesses being raised as we did. I will give both tie-ups, and will list them separately. Either way will work.

I might mention that Ramie always has a little more fuzz than does linen. This is one of the natural characteristics of this yarn.
TUSSAH TAN
An all silk sample woven on an 8 harness basket weave, and which could be used for many different uses.

WARP THREADS
There are two threads used in the warp, designated by X and O.
X - 8 Ply Tan Spun Silk
O - 3 Ply Tussah Silk

WEFT THREADS
Two threads were used in the weft also. One was a 3 ply natural spun silk with a gloss, and the other was the 8 ply tan spun silk.

TIE-UP DRAFT

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One pattern repeat is 38 threads

Selv.
TREADLING SEQUENCE:
A. Using the 3 ply natural spun silk, treadle as follows:
   1,3,1,2,4,2,1,3,1,8,6,8,7,5,7,8,6,8,
   1,3,1,2,4,2,1,3,1.
B. Using the 8 ply tan spun silk, treadle 8,7,8,7,8.
C. Using the 3 ply natural spun silk, treadle as follows:
   2,4,2,1,3,1,2,4,2,7,5,7,8,6,8,7,5,7,
   2,4,2,1,3,1,2,4,2.
D. Using the 8 ply tan spun silk, treadle 7,6,7,6,7.

END OF ONE PATTERN REPEAT. REPEAT OVER AND OVER AS DESIRED:

REED USED:
A 12 dent reed was used, but we had a special slewing of the reed with the Tan Spun silk, while the tussah silk was 2 per dent.
This list below gives the slewing
3 3 2 3 3 2 2 2 2 2 2 2 2 2 2 2 2
Tan 3 ply tussah

In other words, the 1/4 threads of tan spun silk were slewed: 3 per dent, 3 per dent, 2 per dent, 3 per dent, 3 per dent. The 2/3 threads of the three ply tussah were slewed 2 per dent for 12 dents, and there were no skipped dents in the reed.

MORE ABOUT THIS FABRIC:
This was a difficult fabric to weave, because of the slubby 3 ply tussah silk. The slubs on the silk tend to wear off and tend to cling together. Thus, I had to beat very hard, using a firm, double beat to clear the shed so that I could throw the shuttle through the shed. I think that IF I WERE TO WEAVE THIS AGAIN, I WOULD EITHER USE A 10 DENT REED, OR I WOULD USE A SMOOTH THREAD IN THE WARP.

Also, this weave does not look at all like the sample I originally started to do, but when I started weaving it, I disliked the regular treading intensely, so I experimented until I came up with this treading, which is much more effective.

The original treading was to be exactly as it was threaded, but this had nothing pleasing about it.

Also, on this sample, every once in a while, I had to stop and clean out the reed of the fuzz which stuck in the reed.

Another important thing that helped tremendously in the weaving was the fact that I used a warp dressing called WEAVAL, to help stop some of the fuzzing and the clinging together of the warp threads. If I had not had the weavol, I doubt if I would have been able to weave this.

COST OF THE THREADS USED:
The 3 ply tussah silk has about 4500 yards per lb., and is $4.80 per lb. It is available on approximately 1 oz. spools.
The 8 ply spun silk in the tan color has about 3300 yards per lb. & is $4.00 per lb. It is also available in a beige color as well as the tan, and comes on 1 oz. spools.
The natural 3 ply spun silk, which was the main weft thread is sometimes called a 3 cord silk. It has 1400 yards per lb., and is $4.80 per lb. It also is available on 1 oz. spools.

COST OF THE FABRIC:
Our warp was 45" wide on the loom. We had a 12 yard warp, and it took 2 lbs. 2 oz. of the 3 ply tussah silk, and 1 lb. 11 oz. of the 8 ply tan spun silk. Thus the total warp cost for 12 yards was $17.20 or it came to $1.44 per yard.
Weft cost was much greater. In the weft, we used 2 lbs. 1 oz. of the 3 cord natural silk in 3 yards, and we used two ounces of the 8 ply tan spun silk in 3 yards. Thus the weft cost per yard came to $3.47.

WARP COST PER YARD....... $1.44
WEFT COST PER YARD....... 3.47
FABRIC COST PER YARD, 45" WIDE $4.91

LINEN SPECIAL
1 1/2 lea linen in a half bleached white, on approximately 2 lb. tubes. 450 yards per lb. $1.60 per pound, plus postage, while it lasts.
DOUBLE HUCK LACE

This is an 8 harness huck weave which gives you huck lace diamonds, with a plain weave background.

PROFILE DRAFT OF THREADING DRAFT

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In a double huck profile draft like this one, each X represents 5 threads, and you have to understand it thoroughly. Let me explain it further.

X on #3 equals........ 2,3,2,3,2 (5 thds)
X on #4 equals........ 1,4,1,4,1 (5 thds)
X on #5 equals........ 2,5,2,5,2 (5 thds)
X on #6 equals........ 1,6,1,6,1 (5 thds)
X on #7 equals........ 2,7,2,7,2 (5 thds)
X on #8 equals........ 1,8,1,8,1 (5 thds)

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WARP

The warp is 40/2 Mercerized Ramie in an Eggshell Natural color.

WEFT

The weft is 40/2 natural grey linen which is unmercerized.

REED USED

A 12 dent reed was used, and it was triple sleyed, 3 ends per dent, or 36 threads per inch.
DRAFTS AND DESIGNS
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from then on will be mailed to you, unless
you specify that you want your subscription
to start with the next September issue.
VOLUME 8, NUMBER 8, APRIL, 1966

THREADING DRAFT

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TREADLING SEQUENCE

The treadling sequence will be given be-
low in rows of 5 shots each row, to con
dense it somewhat, and to show which treadling
makes the large, and which makes the small
diamond.

TREADLE
Treadle A 1 A 1 A
Treadle B 2 B 2 B
Treadle A 3 A 3 A
Treadle B 4 B 4 B
Treadle A 5 A 5 A
Treadle B 4 B 4 B
Treadle A 3 A 3 A
Treadle B 2 B 2 B
Treadle A 1 A 1 A

The above 45 shots of weaving makes the large
diamond that you see in your sample.

Treadle B 6 B 6 B
Treadle A 7 A 7 A
Treadle B 8 B 8 B
Treadle A 9 A 9 A
Treadle B 8 B 8 B
Treadle A 7 A 7 A
Treadle B 6 B 6 B

The above 35 shots of weaving make the small
diamond you see in your sample.

MORE ABOUT THIS FABRIC

The only trouble in weaving this piece was
doing lots of this huck lace, I would
change this and have the great number of
threads changed so that those on #1 would
be on #1, and those on #2 would be on har
ness #8. This would mean revising your
threading, and your tie-up slightly, but
would not involve too much work, and with
these threads separated by 6 harnesses,
rather than being next to one another, you
would have less trouble in getting a clear
shed.

Also, I want to mention that on this
same threading, just by the change of the
tie-up, you can treadle and weave a fabric
that has a huck background with open lace
diamonds, or you can weave with an open
lace background and huck diamonds.

Also, be sure to use a firm, even,
double beat on such a weave as this. And
I think you will find it looks much nicer
after it has been washed and pressed than
does on the loom itself. The washing
and pressing allows the blocks of lace to
take shape more, and become more definite
and the lace then stands out better.

In weaving this, I would suggest that
you use about a 20 thread selvage on each
dge before you start threading the lace
units. This selvage would be threaded
2,1,2,1 over and over for 20 threads.

COST OF THE FABRIC

We had a 1 1/2 yard warp on the loom. It
was 40" wide on the loom, and it took 3
pounds 5 oz. of the 40/2 Mercerized Egg-
shell Natural Ramie. This sells at $4.80
per lb., so the total warp cost was $75.90,
or warp cost per yard was $1.14 per yard,
40" wide.

In the weft in 7 yards of fabric, it
took 1 1/2 oz. of the 40/2 natural grey linen.
This sells for $5.50 per lb., so the weft
cost per 7 yards was $31.90. This makes
the weft cost per yard come to 70¢ per
yard.

WARP COST PER YARD............... $1.14
WEFT COST PER YARD............... 70
FABRIC COST PER YARD............... $1.84
PATCHWORK BLUE

An interesting 6 harness weave which should make good upholstery, and have a multitude of other uses.

THREADING DRAFT

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TIE-UP DRAFT

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A & B or 7 & 8 are tabby treadles.

WARP

The warp was 20/2 Grey, Mercerized Cotton.

WEFT

There were three threads used in the weft. One was a white 6 strand floss which was used for the pattern. Another was a 10/3 mercerized light blue cotton, and the third was a 10/2 grey, mercerized cotton.

REED USED

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

TREADLING SEQUENCE

Treadle #7 - 10/2 grey mercerized cotton
Treadle #1 - 10/3 blue merc. cotton
Treadle #8 - 10/2 grey merc. cotton
Treadle #2 - 10/3 blue merc. cotton
Treadle #3 - 6 strand white floss
Treadle #7 - 10/2 grey merc. cotton
Treadle #1 - 10/3 blue merc. cotton
Treadle #4 - 6 strand white floss
Treadle #5 - 10/2 grey merc. cotton
Treadle #8 - 10/2 grey merc. cotton
I really was a little disappointed that the cottons we have used here for weft were not as firm as was the wool samples, but even so, it does show the technique and idea.

**COST OF THREADS USED**

In the warp, we used a 20/2 cotton in light grey. It comes on 1 lb. cones and is $3.50 per lb.

In the weft, we used a white, 6 strand floss. It is $3.85 per lb. on 1 lb. cones. Also, the 10/3 light blue cotton comes on 1 lb. cones and is $3.50 per lb. The 10/2 light grey used in the weft was also on 1 lb. cones at $3.50 per lb.

All of the warp and weft threads were mercerized threads.

**COST OF THE FABRIC**

We had an 8 yard warp, 40" wide, and it took 1 lb. 3 oz. of the 20/2 light grey, mercerized cotton. At $3.50 per lb., our warp cost was $11.16 for 8 yards of warp, or a cost of 52¢ per yard.

In the weft, for 7 yards of finished fabric, we used 1 lb. of the 10/2 grey cotton; 1 lb. 5 oz. of the 10/3 light blue cotton, and 12½ oz. of the white, 6 strand floss. Thus our total weft cost for the 3 threads was $10.90. Breaking it down to weft cost per yard, we find the weft comes to $1.56 per yard.

WARP COST PER YARD, 40" WIDE..... $ .52
WEFT COST PER YARD............. 1.56

FABRIC COST PER YARD, 38" WIDTH $ 2.08

---

**LINEN SPECIAL**

Heavy, 1½ lea linen on 2 lb. tubes. Special at $1.60 per lb. 450 yards per lb. Postage is extra.

**LINEN SPECIAL**

Fine 40/2 linen, with 6,000 yards per lb. Available in skeins of about 12 to 16 oz. per skein in bleached white at the LOW, LOW, PRICE of $2.40 per lb. Postage is extra.

**LINEN SPECIAL**

Heavy, 2 lea linen in dark natural grey, imported from Scotland. On approximately 2 lb. tubes. $1.60 per lb. while it lasts.

ALL FROM ROBIN & RUSS HANDWEAVERS, 533 North Adams Street, McMinnville, Oregon 97128
SWEDISH HONEYCOMB

This effective honeycomb pattern is one that is commonly used by the Scandinavian countries. This is a 10 harness variation that we have used this month.

WARP

The warp is 50/3 cotton, FINE-WEAVE, in a color called Cocktail Green.

WEFT

Two threads are used in the weft. One is the FINE-WEAVE cotton in a color called Temple Gold. This is used for the dividing ribs in the honeycomb. The other thread used for the cells of the honeycomb is a 20/2 mercerized cotton, color Reseda Green.

REED USED

A 15 dent reed was used, and it was triple sleyed, 3 ends per dent, or 45 threads per inch.

TIE-UP DRAFT

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TREADLING SEQUENCE

Treadle A - fine weave, temple gold cotton
Treadle B - fine weave, temple gold
treadle 1 - 20/2 Reseda green cotton

Treadle 2 - 20/2 Reseda green cotton
Treadle 1 - 20/2 Reseda green cotton
Treadle 2 - 20/2 Reseda green cotton
Treadle A - fine weave, temple gold
Treadle B - fine weave, temple gold
Treadle 3 - 20/2 Reseda green cotton
Treadle 4 - 20/2 Reseda green cotton
Treadle 3 - 20/2 Reseda green cotton
Treadle 4 - 20/2 Reseda green cotton
Treadle A - fine weave, temple gold
Treadle B - fine weave, temple gold
Treadle 5 - 20/2 Reseda green cotton
Treadle 6 - 20/2 Reseda green cotton
Treadle 5 - 20/2 Reseda green cotton
Treadle 6 - 20/2 Reseda green cotton
Treadle A - fine weave, temple gold
Treadle B - fine weave, temple gold
Treadle 7 - 20/2 Reseda green cotton
I would suggest that you beat, change to the next shed, and beat again, and use a firm beat.

The fine weave cotton is an excellent warp. In 8 yards, 40" wide, we did not have even one broken thread. It is very strong, and seems to be quite elastic. This property of elasticity, I'm sure, is because this is a 3 ply thread. Most of the 3 ply threads because of the twist, seem to have more elasticity than other threads.

We have given here in our sample the tie-up, so that the wrong side of the fabric weaves up on the top of the loom. If you were to tie-up your treadles just the opposite of what we have, you will be lifting 8 harnesses instead of just two, and this of course is just much more work for the weaver.

COST OF THE THREADS USED
The fine weave cotton comes on 6,000 yard cones (approximately 1/2 lb.), and it sells for $1.95 per cone for the colors. There are 36 colors available in this fine weave, and it is an excellent quality thread.

The 20/2 Mercerized Reseda green cotton has 1400 yards per lb., comes on 1 lb. cones, and is $3.50 per lb.

COST OF THE FABRIC
In our 8 yard warp, 40" wide and with 45 threads per inch, we used 2-1/3 spools of the fine weave cotton at $1.95 per spool. Our warp cost was $4.55 or in cost per yards, it came to 57¢ per yard.

In the weft, we used 1 lb. of the 20/2 Reseda green cotton, and slightly less than one spool of the fine weave cotton. Thus our weft cost comes to $5.45 for some approximate seven yards of finished fabric. Thus, our weft cost comes to 78¢ per yard.

WARP COST PER YARD........... $ .57
WEFT COST PER YARD........... .78
FABRIC COST PER YARD........ $1.35