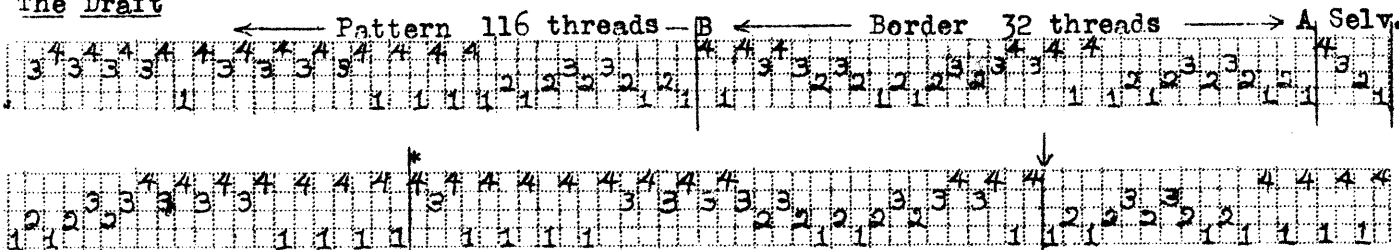
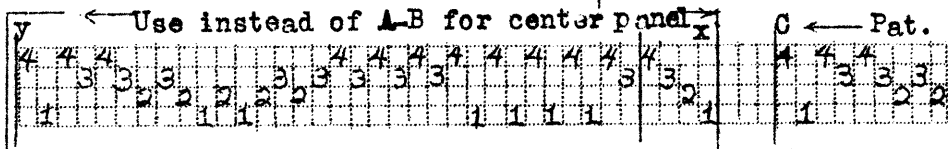


The Draft



A Runner, 18" wide: Thread:
 Selv. 3x(12); Bord. 2x(64)
 Pat. B-C, 2x(32) then B
 to arrow, (53); Bord. back
 ward, B-A, 2x(64); Spl. 3x(12)



This beautiful pattern for coverlets, runners or pillows offers additional interest in the uneven balance of stars and roses. Set at 32 per inch, one wheel that encircles a star would measure 2 1/2" across.

THREADING PLAN:

- Two 42" panels for 84" coverlet.
 Selvage, -1, 2, 3, 4 - repeat 5 times - - - 20
 Border, A-B, 32 thds. Rep. 7 times - - 224
 Pattern, B-C, 116 thds. Rep. 8 times - - 928
 Last time to * only, (9th time) - - - 86
 Total, 1258
- Three 32" panels for 96" coverlet.
 Selvage, -1, 2, 3, 4 - - - - - once - - - 4
 Border, A-B, 32 thds. Rep. 9x - - - 288
 Pattern, B to C, 116 thds. Rep. 5x - - - 580
 Last time to * only, (6th time) - - - 86
 Total, 958

WARP PLAN:

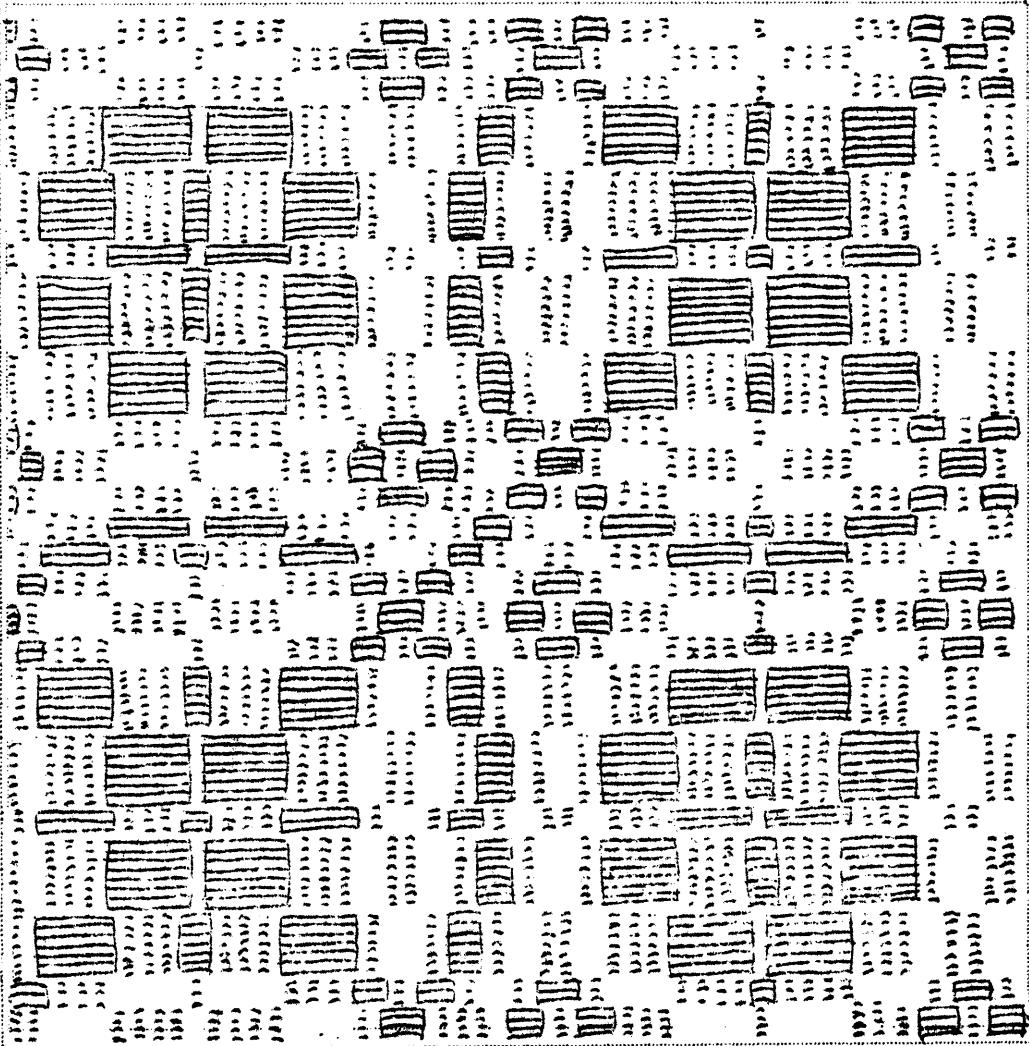
- Warp: 24/3 or 20/2 Cotton.
 Weft: Pattern: Perle 5; Tulip 3-str;
 Floss; or 20/6 str.
 Tabby: Like warp.
 Thds. per inch: 30 (or 32)
 Total Threads: 42" wide, 1258
 32" " 958

WEAVING PLAN:

Note: In threading for No. 2 Threading plan, center panel is formed by replacing border, A-B, with x-y, (Has selvage of 4 threads.)

Weave both the 32" and 42" panels as drawn in:

- Border:
 1-2, 3x
 2-3, 4x
 1-2, 3x
 4-1, 3x
 3-4, 3x
 2-3, 3x
 1-2, 4x
 2-3, 3x
 3-4, 3x
 4-1, 3x
 Repeat as desired.
 Pattern:
 1-2, 3x
 2-3, 4x
 1-2, 4x
 1-2, 3x
 4-1, 7x
 3-4, 8x
 4-1, 3x
 3-4, 8x
 4-1, 7x
 1-2, 3x



Weave two panels like No. 2. then unthread selvage and border (36 thds) thread x-y. (36)

Joyful news for the handweaver is that more wools are constantly coming to the fore. The making of knee robes, shawls, cottage blankets, couch throws and baby blankets is always in order. One colorful wool blanket used in the summertime over a sheet is ideal. Its weight is light and yet it gives adequate warmth on cool evenings. Far from being a heating substance, wool is the healthiest covering known to provide ventilation for the skin and yet to help retain its natural warmth.

As for design and color, combinations of blue and gray, tans and browns, or shades of soft green, aqua and turquoise with touches of white or ivory are cool and refreshing. If a Twill texture is used, and nothing is easier to weave or more effective woven in soft woolen yarns, - plan to use a warp of one color and a weft of a contrasting color.

Variations of the Twill are excellent to use for threading: Herringbone, Rosepath Dornick, Goose-eye, or the little Raindrops Pattern given in Leaflet 1702. Weave the blanket as a straight twill, 1-2, 2-3, 3-4, 4-1, - or weave it as tabby and put in borders of twill at both ends. Make bed blankets about 84" x 108"; baby blankets, 42" x 48".

WARP PLAN FOR A LARGE BLANKET!

Make two strips 42" wide, or three strips 30" wide, making blanket widths respectively 84" or 90".

Warp: Germantown Yarn, available in most department stores, Mail Order houses, Bernat's Yarns, or the heavyweight yarn homespun at Creative Crafts \$3.75.

Weft: The same, or use Lily's new Weave Wool yarn double.

Threads per inch: 8 or 10. The setting of 8 per inch makes a softer texture.

Width: 42" Width: 32"

Total Threads: 336 Total Threads: 256

Threading: Repeat chosen pattern all across warp.

Weaving: For blankets of this type only one weft thread is necessary. The weaving goes fast. Weave Twill or Tabby.

GETTING A GOOD EDGE IN TWILL PATTERNS:

Very often when weaving Twill, one notices that the last thread fails to become part of the cloth, and remains hanging outside of the fabric. When this happens there are three things to be done, any one of which will bring the last thread into the weaving, or make the edge perfect.

1. If you have started weaving the 1-2 row from left to right, break off the thread and start from the opposite side, now weaving the 1-2 from right to left. This will bring in a last loose thread, for the weft now passes under it where before it passed over it, or vice versa. If in curing one edge, you fail to take in the last thread on the other side, break this one off. Very often this reversal of the direction fixes both edges.

GETTING A GOOD EDGE! Continued:

2. Take the shuttle carefully around the last thread. This is sure but slow.
3. Break off the last thread of warp and omit entirely.

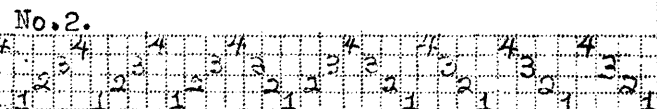
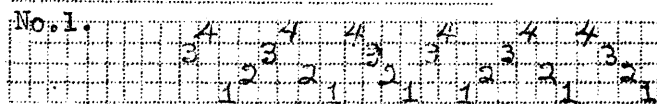
DRAWING IN OF WOOL AT EDGES.

Wool is very elastic in texture, and if you draw the weft thread tight, it results in an edge with inward curves, especially in Twill borders woven on Tabby backgrounds. Be SURE to leave the weft thread on a good slant and leave it loose while beating.

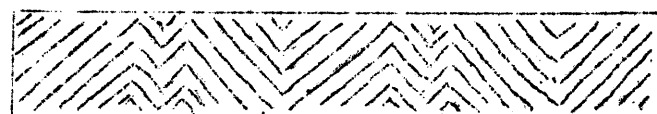
WASHING BLANKETS:

Before using, wash blankets in luke warm water and suds. Rinse in same temperature. Iron while damp under a cloth, or after drying, sprinkle and iron under a damp cloth. Squeeze blankets out thoroughly when washing: it fluffs them.

TWO GOOD PATTERNS FOR BLANKETS:



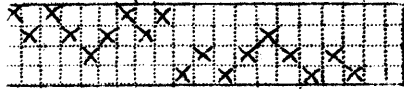
No. 1.



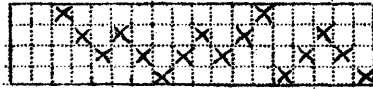
No. 2.

There's a saying that one can try anything once, and that is especially conducive to creative effort. There is no harm in trying soft Weavewool or Fabri on Perle 10 warp and here is a new texture as a result that may be used for draperies, shawls, baby blankets and scarves. It has a silky feeling, is very dressy in appearance, and is surely a fabric easier to weave than the all-wool type which often presents a warp difficult to handle. Perle 10 Natural was used for this warp, set at 24 threads per inch and threaded to a Herringbone of two twills.

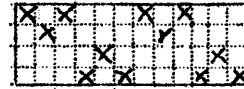
DRAFTS FOR SHAWLS AND BLANKETS



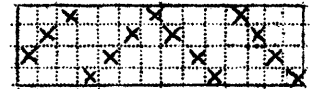
DRAFT D



DRAFT C



DRAFT B



DRAFT A

VARIATIONS IN TEXTURE:

As suggested above, it is possible to try out many new textures, just by changing one's warp or weft thread, or the setting in the reed. For our perle warp and wool weft, it is possible to interrupt the Twill rows with a tabby thread of cellophane wound with fine linen or cotton. This will appear as effective highlights against the wool surface.

One may also wind the regular weaving thread with raytone or silk, making a home-created yarn of silk-wool. These shiny and silky textures make acceptable gift items.

WARP PLAN: For a Shawl or Baby Blanket Panel:

Warp: 10/2 Natural Perle

Weft: Fabri or Weavewool for Pattern Thd.

If Tabby is used, Perle 20 or Cotton 20/2 wound with cellophane.*

Thds. per Inch: 24

Width in Reed: 22 inches.

Total Threads: 528

WEAVING PLANS: (Continued)

Draft B: Weave with Fabri or Weavewool wound double for pattern thread. Use Perle 10 Tabby or Fine Cotton wound with cellophane. Read from left to right below:

Pat: 3/4; Tab: 1/3; Pat: 3/4; Tab: 2/4;

Pat: 4/1; Tab: 1/3; Pat: 1/2; Tab: 2/4;

Pat: 1/2; Tab: 1/3; Pat: 4/1; Tab: 2/4.

Repeat all.

Draft C: Weave with one thread only, a soft wool yarn as follows:

1. Hs. 1/2; 2/3; 3/4; 4/1. Repeat all; or

2. Hs. 1/2; 2/3; 4/1; 3/4. Repeat all; or

3. Hs. 1/2; 2/3; 3/4; 4/1; 3/4; 2/3; Repeat

Draft D: Weave with Pattern thread of the Fabri or Weavewool double; Tabby of Perle 10 cotton: Weave left to right:

Pat: 1/2; Tab: 1/3; Pat: 1/2; Tab: 2/4;

Pat: 2/3; Tab: 1/3; Pat: 1/2; Tab: 2/4;

Pat: 1/2; Tab: 1/3; Pat: 3/4; Tab: 2/4;

Pat: 3/4; Tab: 1/3; Pat: 2/3; Tab: 2/4;

Pat: 3/4; Tab: 1/3; Pat: 3/4; Tab: 2/4.

THREADING PLANS:

Repeat any of the patterns given above across entire warp.

These patterns may be woven with or without tabby. They may be woven as Twill with one thread only: This method proves a time saver, and is one reason why patterns fashioned on a Twill principle are so popular.

WEAVING PLANS:

Draft A: Weave as Twill, one weft only, using Weavewool, Homespun or Fabri alone or wound with cellophane:

1. Hs. 1/2, 2/3, 3/4, 4/1: Repeat all; or

2. Hs. 1/2, 2/3, 3/4, 4/1, 3/4, 2/3: Repeat

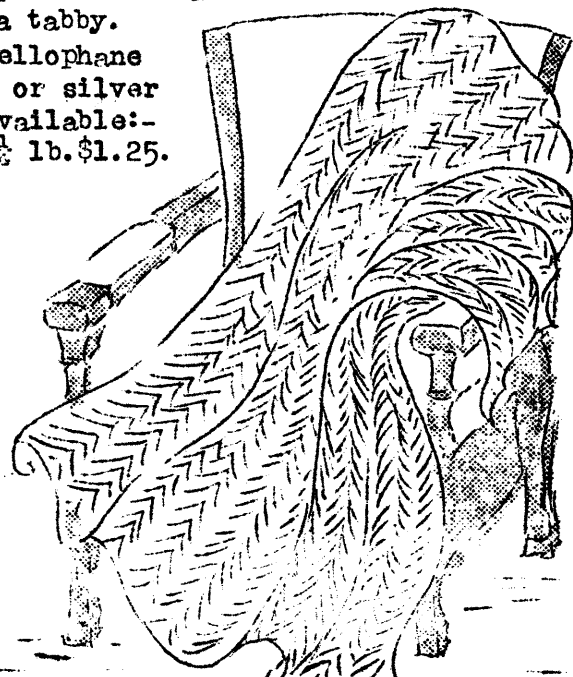
3. You may also weave with Weavewool double, and interrupt with tabby of combined cellophane and cotton: Lt. to Rt:

Pat: 1/2; Tabby: 1/3; Pat: 2/3; Tab: 2/4;

Pat: 3/4; Tabby: 1/3; Pat: 4/1; Tab: 2/4.

All of the drafts given here may be woven either Twill-Fashion with one wool weft only: or "as-drawn-in" with a heavier pattern thread and a tabby.

*Cellophane gold or silver is available:- per 1/2 lb. \$1.25.



The dainty lace-texture baby blanket can be used at all times of the year, in summer as the protective blanket for crib or carriage; in winter as the decorative cover above plain warm blankets. This design is adaptable to draperies as well.

MAKE YOUR OWN LACE-WEAVE PLAN: Whether for drapes, baby blankets or linens, the Bronson lace weave on a 4-harness loom may be planned in a beautiful all-over pattern of alternating blocks, as shown in the sketch. The tabby section may be made as wide as desired.

TABBY is shown in the draft at Sec. A.
 THE FIRST LACE BLOCK, - - - " " B.
 THE SECOND LACE BLOCK, - - - " " C.

Any of these may be repeated as desired, and may also alternate with one another.

In the sketch, A woven makes the tabby border, A'; B woven makes the first lace motif, B'; C woven makes the second lace, C'.

PLAN FOR BLANKET OR DRAPE 36" WIDE.

On a 36" or 42" loom, one can plan a width with borders at sides and lace at center, all in one piece of goods. Set 38" wide.

WARP PLAN:

Warp: 2-ply yarn, such as Bernat's Fabri, or Lily's new Weaving Wool.
 Weft: The same as warp.
 Threads per inch: 20
 Width in Reed: 38". Weaves down to 36".
 Total Threads: 760

THREADING PLAN:

The Right Border, 5". Threads
 Repeat Sec. A, 22 times - 128

The Center Lace Sec., 23".

{ 1. Repeat Sec. B, 4x - (24)
 2. " " C, 4x - (24)
 Repeat 1. and 2. 10 times,
 which totals - - - - 480
 Add Sec. 1. alone - - - - 24

The Left Border, 5".

Repeat Sec. A, 22 times - 128
 Total - - 760

WEAVING PLAN:

Tabby for Borders:

{ Treadle 1 alone once.
 " 2, 3, 4 together, once.
 Repeat these two rows, as desired.

First Lace, B': Second Lace, C':

{ Tr. 1&3
 Tr. 2&3&4
 Repeat twice
 Tr. 1 alone
 Tr. 2&3&4
 Repeat all 4x

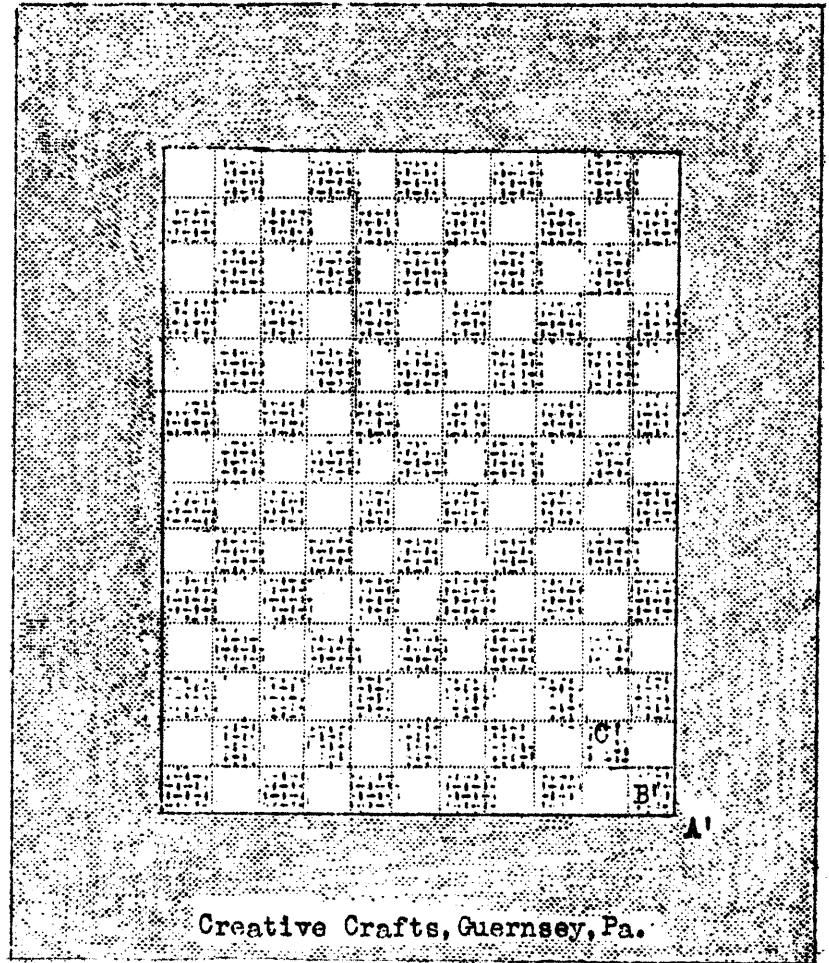
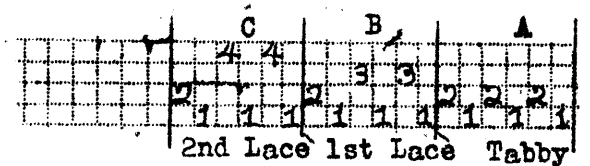
{ Tr. 1&4
 Tr. 2&3&4
 Repeat twice
 Tr. 1 alone
 Tr. 2&3&4
 Repeat all 4x

LACE PANEL FOR 22" LOOM. On a narrow loom weave a blanket in three sections, making tabby borders at sides to sew on, and center section of lace. Weave lace center at first, then divide warp into two parts, taking out 2" at center, leaving 10" at each side. Weave side by side, using directions for tabby at lower left, regular 38" plan.

THREADING PLAN FOR LACE CENTER: (21" wide)

Section A, once - - - - 6 threads,
 Section B, 4 times - 24
 " C, " " - 24
 Repeat brackets, 8 times,
 or 48 thds. 8x - - 384 "
 Section B, once - - - - 24 "
 Section A, once, - - - - 6 "
 Total 420 "

WEAVING PLAN: Same as for 38" plan.



WEARING APPAREL

Linens

Cottons

Wools

A HANDWOVEN PLAID JACKET FOR A "PLAIN AND PLAIN" SUIT Leaflet 1200

At times it becomes the fashion to wear plaid jackets with plain skirts and hats. This is nice for the effectiveness of the jacket, set off like a picture in a frame by the soft background color. They call this combined ensemble a plaid and plain suit. Our hand-weavers should not miss this opportunity to design a smart suit, weaving a plaid strip to be made up into a jacket.

A WARM SPORTS JACKET OF COARSE MESH.

DESIGN: We suggest a soft plaid in two or three colors, woven in a mottled weave as given below, using a medium-weight, closely spun wool, such as Zephyr Germantown, 4-fold.

WIDTH OF MATERIAL: For a jacket cut to a pattern, first buy pattern and estimate amount of cloth needed, planning for sleeveless jacket at left. This may be put together with very little cutting, weaving strips in desired width.

WARP PLAN:

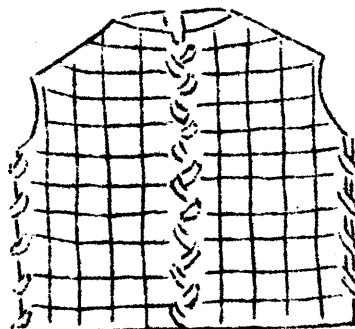
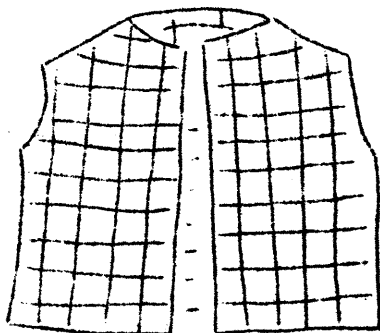
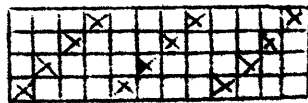
Width of Warp: 14 inches.
Threads per in: 10 or 12
Total No. of Thds. 140 or 168.

THREADING PLAN:

Thread 4,3,2,1 as in draft, changing colors if plaid is desired.

WEAVING PLAN: For mottled texture, - 2-4; 1-2; 1-3; 3-4; 2-4; 1-4; 1-3; and 3 alone. Repeat all.

MAKING JACKET: First weave two front panels, making strip 14" wide and 60" long. Cut in half. Note that the material shrinks both ways. Final strips will be 12" wide. Sew together with attractive stitches. For back, take out warp thds. until 12" wide; weave strips that shrink to 10". Sew together as shown.



A LIGHT-WEIGHT JACKET OF FINE MESH.

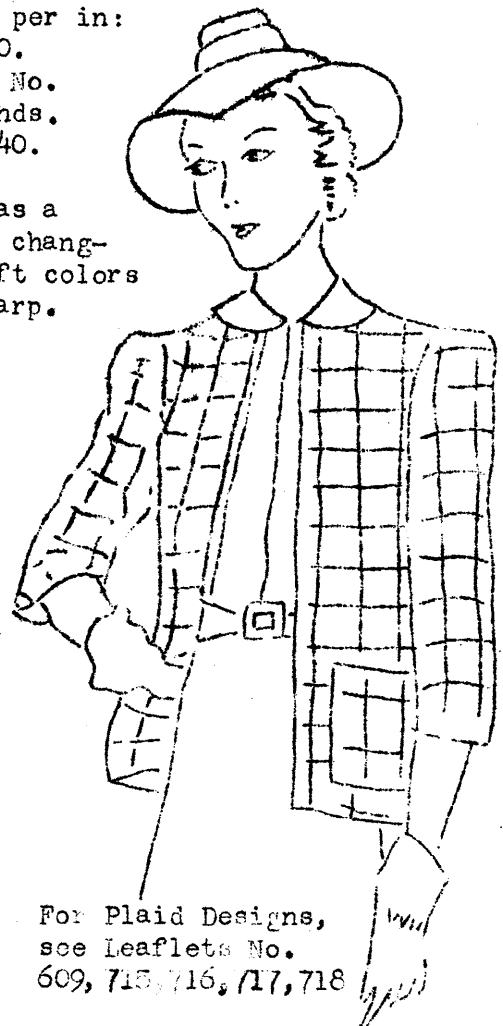
DESIGN: We suggest a plaid in three soft colors, woven as tabby or twill, using Bernat's Fabri wool for warp and weft. Plan your plaid on check paper, using your most becoming shades. Make each check indicate a certain number of threads.

WIDTH OF MATERIAL: A 22" width cuts to advantage, the same width as that used for neckties. This same fabric will do for both jacket and ties. For a jacket with sleeves you will need 3 yards, and 1 lb. of Fabri. This may be in the various colors chosen.

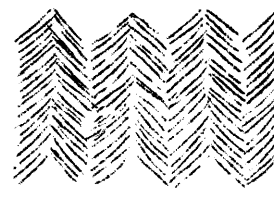
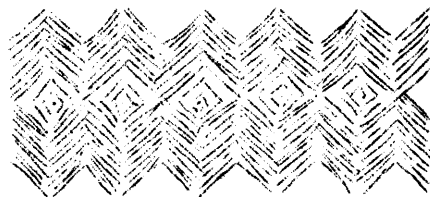
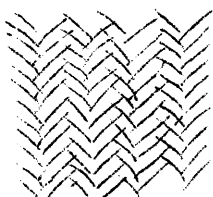
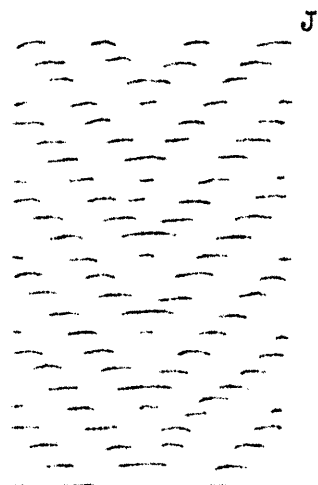
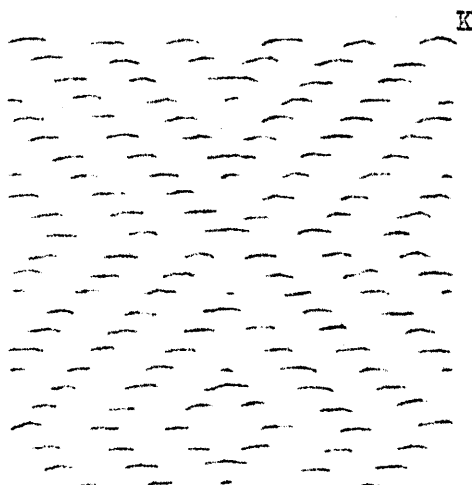
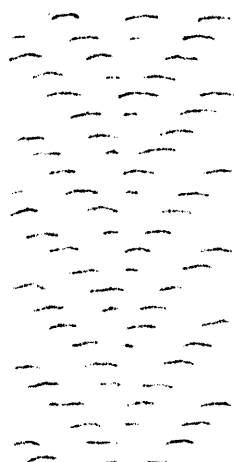
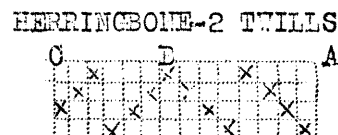
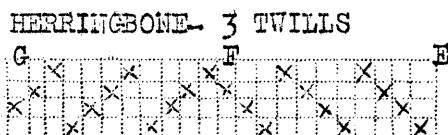
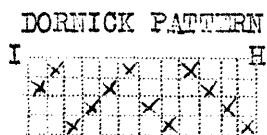
WARP PLAN:

Width of Warp: 22"
Thds. per in:
20.
Total No.
Thds.
440.

Weave as a plaid, changing weft colors like warp.



For Plaid Designs, see Leaflets No. 609, 715, 716, 717, 718



Effect of Dornick

Effect of Goose-Eye Treading

Herringbone Treading

THE HERRINGBONE PATTERN is a variation of the Twill. It is made by repeats of the TWILL first in one direction, then in the opposite direction. In the threading above, A-B shows two twills going in one direction, followed by B-C, two twills in the reverse direction. The number of twill repeats used before reversing determines the width of the Herringbone stripe. The weaver may plan any number of twill repeats. Reverses are made only on the 1st or 4th harnesses. The pattern shown at ABC makes a stripe only 6 threads wide; that shown at EFG makes a stripe 12 threads wide.

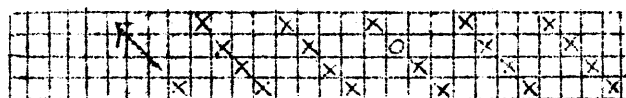
TREADING. When any reverse Twill drafts, such as the two just described, are treadled as a straight Twill: 1&2, 2&3, 3&4, 4&1 and repeat, the effect is the Herringbone Weave, shown above at right; and when the same pattern is treadled as drawn in: 1&2, 2&3, 3&4, 4&1,- repeated as far as desired, then reversed to: 3&4, 2&3, 1&2,- and this repeated as far as desired,- the effect is the Goose-Eye Weave, shown at center above.

DORNICK WEAVE. The Dornick Weave has a threading very much like the Twill, but with a short break in it, as shown at upper left. This pattern is treadled: 1&2, 2&3, 3&4 and 4&1, and repeat. The effect is quite like a Herringbone, but with a slight mottled tendency, which proves an attractive asset in suit or coat weaves. The Dornick Weave is marked E-I, and the effect shown below the draft.

NUMBER OF WARP AND WEFT THREADS. If you were using the same thread for both a Tabby and Twill threading, you would set the warp closer for the Twill Weave, for the weft thread packs down more closely in the Twill than in the Tabby. However, for both of these weaves, the correct texture is obtained by weaving as many weft threads to the inch as there are warp threads to the inch. For instance if the warp is set 20 thds. per inch, the perfect fabric would have 20 weft threads per inch.

AMOUNT OF YARN NEEDED FOR SUIT MATERIAL. It takes about 3/4 lb. of wool for 1 sq. yd. of Homespun material. For a man's suit you will need 7 yds. of material 30 inches wide,- a suit of jacket and trousers only; for a woman's suit, 6 yds. 30 inches wide.

If you as a weaver have a last minute call to make a gift for a friend, try a scarf and purse. The warp can be narrow and short, and easily planned as follows.

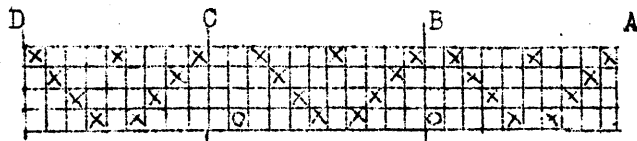
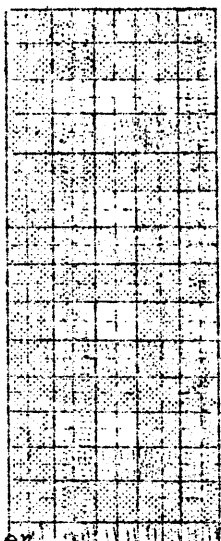


No. 1. A GAY PLAID. Plaids of soft texture and bright colors are suitable for the holiday season. Here is a design good for scarves, neckties and purses.

Warp: Fabri; Weft, Ibid.
 Thds. per in. 24.
 Colors: Three shades of the same color or black, dark red, lt. red, etc. also a texture thd.

Threading:

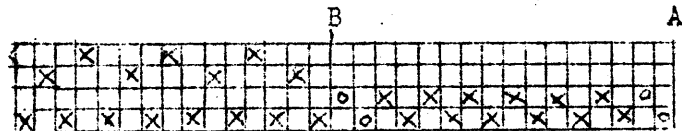
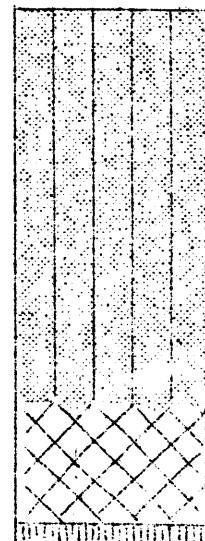
10 thds. darkest color
 1 texture thread, nubby
 10 thds. darkest color
 10 thds. middle shade
 1 texture thread
 10 thd. middle shade
 10 thds. lightest shade
 1 texture thread
 10 thds. lightest shade
 Repeat! Weave in same order.



No. 2. THE ROSE-PATH. This little pattern is excellent for scarves, having a small figure, and being woven with one thread.

Warp: Medium zephyr or Honespun. Weft, Ibid.
 Thds. per in. 16 or 18
 Total No. of Thds. 159,
 15 repeats of pattern A; end with 9 thds. only, C-D.

Color: Choose a rich tone for warp, with brighter accent every 10th thd., shown by o.
 Weave border: 2-4, 2-3, 1-2, 4-1, 1-2, 2-3, 3-4, 4-1, Repeat. Weave vertical stripes as tabby, 1-3, 2-4. Weft of another color is good.



No. 3. BRONSON OR SPOT WEAVE. This more delicate type weave makes a good texture for a girl's or woman's scarf. For warp and weft use Shetland at 16 per inch, or Fabri at 20 per inch.

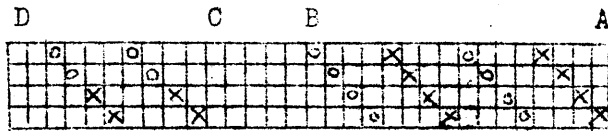
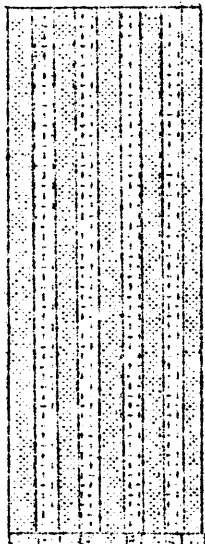
Threading:

A-B, 16 thds. make first two and last two thds. a textured thd.
 B-C, 16 thds.
 In threading alternate sections A-B and B-C, finish with A-B.

Weave:

1-3	or:	
2-3	1-3	1-4
1-3	2-3-4	2-3-4
2-3	1-3	1-4
1-4	2-3-4	2-3-4
2-4	1-3	1-4
1-4	2-3-4	2-3-4
2-4		Repeat.

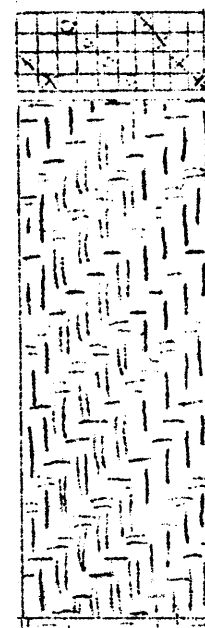
Repeat



No. 4. SHEPHERD CHECK: A smart men's scarf develops from this pattern, first worn by the Scotch shepherds. Use two colors for warp, two for weft. We give here two threadings, --
 A-B: A four-thread check; thread as shown, weave: 1-2, 2-3, 3-4, 4-1, first color; 1-2, 2-3, 3-4, 4-1, second color; repeat.

Smaller check, weave as tabby, 1-3, 2-4, first color; 1-3, 2-4, second color; Repeat.

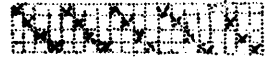
Use same two alternating colors for weft as used for warp.



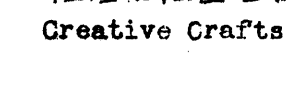
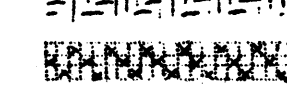
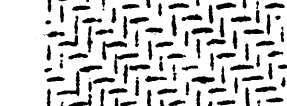
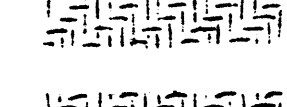
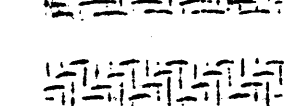
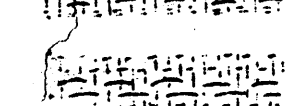
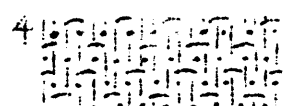
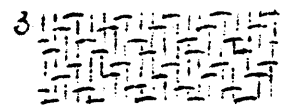
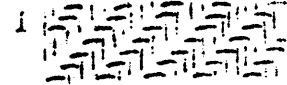
TWILL PATTERNS VARIED BY TREADLING

Leaflet 1203

Threading



The word "Twill" refers to one of the main classifications of weaves, of which there are three, -Tabby, Twill, and Satin. Twill is the most important weave for suiting and coats. Altho its threading, 1,2,3,4, is so simple, it may be woven in so many different ways that it becomes a most resourceful pattern. There are two ways to vary it: 1. By changing the order of the treadling, forming patterns of varying surface texture. 2. By adding color to make checks or plaids both in warp and weft, which makes the threads appear in different lights & shadows. This leaflet covers No.1; leaflet No.1203 will cover No.2.



VARIATIONS BY TREADLING. Simple Threading, 1,2,3,4, as above.

1. Simplest Twill Weave, called a 2-2 twill, (two-and-two) is woven 1-2, 2-3, 3-4, 4-1 and repeat. This produces a diagonal texture, both sides alike. The best effect is obtained by using warp of one color and weft of another.
2. For fabric showing more warp on one side, more weft on opposite side, weave 1-3 twill, (one-three), - 1,2,3,4. For reverse effect, weave 3-1 twill, (three-one) with three treadles down instead of one, - 1-2-3, 2-3-4, 3-4-1, 4-1-2.
3. Broken Twill. This produces the mottled effect shown. Weave 1-2, 2-3, 4-1, 3-4. The last two shots of regular twill weave at 1 simply change place for this weave.
4. Twill Weave interrupted by Tabby. The rows of any twill may alternate with rows of tabby, shown by dots at 4. Weave 1-2, 1-3, 3-4, 2-4, 4-1, 1-3, 2-3, 2-4, repeat.
5. A Feebly Effect is obtained by using alternating colors, and treadling as at 1, - 1-2, dark; 2-3, light; 3-4, D; 4-1, L.
6. The Twill on Opposites produces the effect at 6; with tabby between rows; 1-2, dark; 2-4, light; 3-4, D; 1-3, L. Rep.
7. A smart Dress Texture is woven as at 7: first 2 shots of tabby, 1-3, 2-4; then 2 twill rows, 1-2-3, 1-2-4; two more tabby shots, 1-3, 2-4; then 2 more twill rows, 1-3-4, 2-3-4; and repeat. On a Jack-loom you may weave this with 1 treadle down instead of 3: 1-3, 2-4, 4, 3; 1-3, 2-4, 2, 1.
8. Reverse Treadling. By repeating the four shots given in 1, the result is a diagonal fabric weave going all one way. By reversing the treadling, the lines will show in opposite direction. Weave the short reverse at 8: 1-2, 2-3, 3-4, 4-1; then reverse to 3-4, 2-3, and repeat all.
9. A large Zig-Zag Pattern is obtained by repeating the regular treadling at 1 several times, then repeating its reverse several times: 1-2, 2-3, 3-4, 4-1; 1-2, 2-3, 3-4, 4-1; 1-2, 2-3, 3-4, 4-1; reverse to 3-4, 2-3, 1-2; 4-1, 3-4, 2-3, 1-2; 4-1, 3-4, 2-3; and repeat all.
10. A Three-Harness twill is woven 1-2, 2-3, 3-1.
11. The Traditional Jeans Twill is woven: 1-2, 2-3, 3-1; rep. 2 or 3 times; then 1, 2, 3; 2 or 3 times. Repeat all.

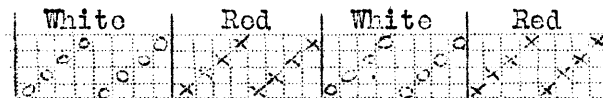
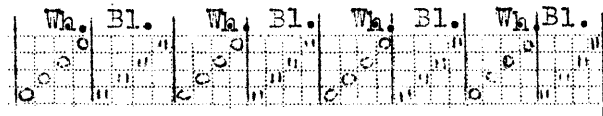
Creative Crafts

Shepherd's Check fabric designs made of light weight wools make a good suiting material. Soft popular colors are grays, tans and browns with flecks of red or blue for interest. While these materials have proved very popular for fall and spring suits, Creative Crafts has recently designed a novel fabric of a similar style in light-weight cottons for summer, using Bernat's Umbrian Warp for both warp and weft. This comes in many attractive colors. Good combinations are: red, white and blue; green, white and black; orange, cream and brown; two shades of blue and white; yellow, gray and brown.

The fabric is woven as a twill with about 30 threads per inch in both warp and weft. The texture is soft yet durable, excellent for summer goods of smart design.

THREADING DRAFT

Colors: x--- red
o--- white
"--- blue



Repeat all 64 threads.

WARP PLAN:

Warp: 20/2 ply cotton or Umbrian Warp.
Weft: Ibid.
Thds. per inch: 30 or 32
Weave in best width to cut for your dress, waist or beret.

THREADING PLAN:

Thread as a twill, 4, 3, 2, 1 and repeat, using changes of colors described. Begin with 4 thds. blue, 4 white, repeat 4 times, etc. Then 8 red and 8 white, repeat 2 times.

WEAVING PLAN:

1-2, 2-3, 3-4, 4-1, single blue Umbrian, weaving with one shuttle only.
1-2, 2-3, 3-4, 4-1, same with white.

Repeat above alternation 4 times, making 32 shots, or about 1 inch.
Follow with:

1-2, 2-3, 3-4, 4-1,
1-2, 2-3, 3-4, 4-1, 8 shots with red.

1-2, 2-3, 3-4, 4-1,
1-2, 2-3, 3-4, 4-1, 8 shots with white

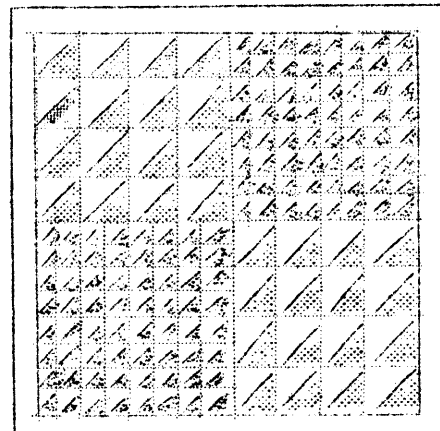
Repeat these 16 shots 2 times, making 32 shots, or about 1 inch.

One entire repeat takes about 2 inches.
Repeat above 32 blue and white shots, followed by 32 red and white shots, etc.

SUMMER GOODS

We planned a summer suit using a red, white and blue fabric woven as just described. It consisted of jacket and hat, worn with a white linen hand-woven skirt. The jacket-waist was heavy enough to hold its form, yet not heavy enough to be warm and uncomfortable. It took the place of a summer coat, and was worn for business and afternoon outdoor affairs.

This same type of material would make excellent tablecloths or linen luncheon mats. If using linen, choose warp of 50/2 ply set at 36 per inch. Cross with the same. It is possible also to use warp of cotton and cross with linen, making a half-linen.



Creative Crafts,

Scarf designs may prove useful to weavers who wish to make contributions to the Red Cross through their craft, as well as to some who will want to make warm useful gifts for friends in the service. The possibilities are endless: tempting bright borders, cheerful plaids or stripes, high-lights of odds and ends of yarn- for we need every bit- scarves in all one color but with fascinating texture surfaces, other plain ones with interesting borders. For the proper setting of yarns in the reed, secure our thread chart, Leaflet 619. Woolen yarns vary greatly as to stretching tendency, and it is difficult to determine their yardage per lb.

The following general settings can be given:

Germantown, also Bernat's Peasant Yarn- - - - -	8 to 10 thds. per inch.
Bernat's Fabri- - - - - close setting- - - - -	24 thds. per inch.
- - - soft looser setting - - - - -	20 thds. per inch.
Medium Homespun - - - - -	16 thds. per inch.
Zephyr or Saxony, medium weights, - - - - -	16 thds. per inch.

SCARF NO. 1. A Patriotic Design in Red, White and Blue.

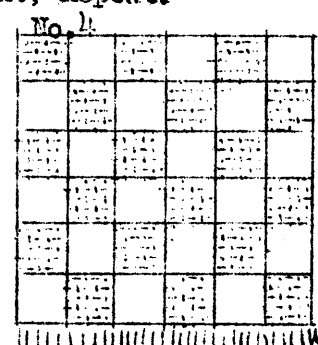
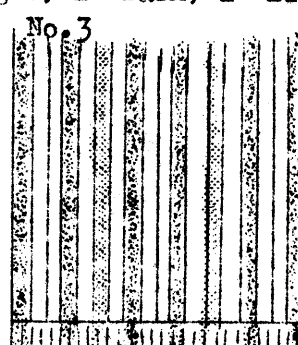
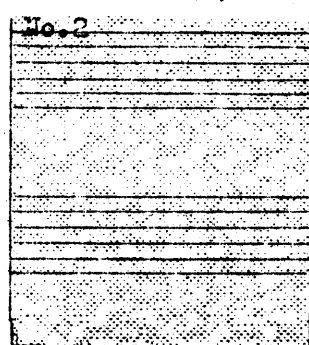
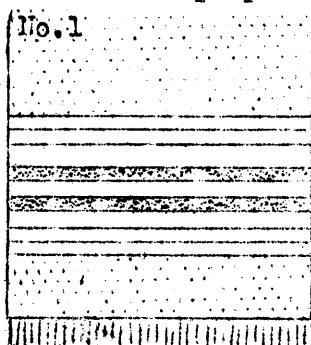
Use blue warp with striped borders in red and white; or red warp with striped borders in navy and white. To weave, allow 55" for a 45" scarf for scarf will shrink when taken from loom. Leave 3 1/2" unwoven for fringe; weave 2" plain background color; 2 rows bright border color, 3 rows white; 2 rows color; 3 rows white; 2 rows color; 5/8" white; 1/2" color; 5/8" white; 1/2" color; 5/8" white; 2 rows color; 3 rows white; 2 rows color; 3 rows white; 2 rows color. Center of scarf plain; same border at other end; 2" plain beyond border, 3 1/2" unwoven for fringe at other end.

SCARF NO. 2. Two Bands of Simple Stripes Make a Smart Scarf.

This design may have been inspired by the design on a general's sleeve, but it stands for simplicity and smartness in its own right as a scarf border. Plan warp of Cadet Blue, stripes in Navy and White. To weave: leave 3 1/2" unwoven for fringe, (or weave extra section for neat hem); then 2" cadet blue, tabby weave; *2 rows Navy; 3 rows white; (repeat from * 5 times) add 2 rows navy; 3" cadet blue; *2 rows Navy; 3 rows white; (repeat from * 5 times; add 2 rows navy; center of scarf plain tabby, cadet blue; same border at other end. Note: If loom is threaded to Twill or Herringbone, interest may be added to background by weaving as Twill; but use weft of different color than warp to bring out Twill

SCARF NO. 3. Scarf With Striped Warp. Weavers do not need to be told the advantage of a striped warp in a scarf with fringe, for all the colors are brought out in their full lovely lustre in the tied fringe. Use such a design as No. 3 either for warp or weft; it measures about 10" wide; Choose three colors, dark, (D); medium, (M); light, (L). Set warp as follows: *5/8" D; 1/2" L; 1/8" D; 1/2" L; 5/8" D; 5/8" L; 1/2" M; 5/8" L; repeat from asterisk, *, at beginning, two times in all; add 5/8" D; 1/2" L; 1/8" D; 1/2" L; 5/8" D.

SCARF NO. 4. Large Cheerful Plaids for Scarves. One of the most successful scarves for men is made with the famous Log-Cabin pattern, (Leaflets 719, 825). Make the block 2" square at least. The same pattern using smaller squares, about 1", has also proved a popular necktie pattern. The same general effect, brighter and less subdued is obtained by setting warp in large bold stripes and weaving in same colors and proportions: 2" Medium; 2" Light; 2" Dark; 2" Light; Repeat.



SCOTCH PLAID DRESS MATERIALS
 (A Scotch Kilt Created by Marda)
 Gift Shop, Mt. Kisco, N.Y.

Leaflet 1206

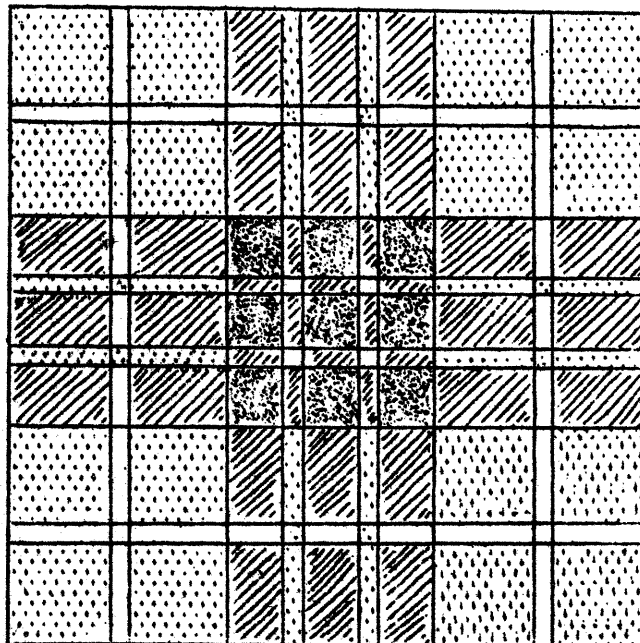
When one of our subscribers who has a hand-weaving shop, asked us to weave up some Scotch Kilt material for her, we little dreamed how very lovely it would be. This is due to her creative talent in working out the texture given below. When this material was shown to visitors, several wished to be registered for future plaids in their own clans. We pass the idea on for those doing commercial weaving.

HAMILTON PLAID

The idea of weaving a cotton dress plaid is valuable at this time when substitute materials save much needed yarns. The texture is stunning and substantial; any of the beautiful Scotch plaids may be worked out in it. There are many smart plaid patterns in the book, "Clans and Tartans of Scotland" by Bain, available at this office at 2.50.

THREAD USED: The warp and weft used here are both the same, Lily's 6-strand with 2800 yds. per lb. This is set at 18 thds. per inch. Bernat's Perleen, a mercerized 6-strand with 2520 yds. per lb. is also excellent. At this setting, the weft will take exactly the same count per inch, i.e., 18 thds. of weft in each finished inch of weaving. (16/4 at 24 per in. is a bit finer)

TEXTURE USED: Authentic Scotch plaids are woven as Twills. This is the stitch best to use here. Weave 1-2, 2-3, 3-4, 4-1.



RAMSAY PLAID; (Small Figure)

The pattern given at the right covers 5" for one repeat, in black, white and red.

Warp: 18 bl; 2 red; 8 bl; 2 red; 18 bl; 18 red; 2 bl; 2 red; 4 white; 2 red; 2 bl; 18 red; Repeat.

RAMSAY PLAID; (Large Figure)

For the same plaid covering 9" for one repeat.

Warp: 38 bl; 2 red; 8 bl; 2 red; 38 bl; 38 red; 2 bl; 2 red; 4 white; 2 red; 2 bl; 38 red; Repeat.

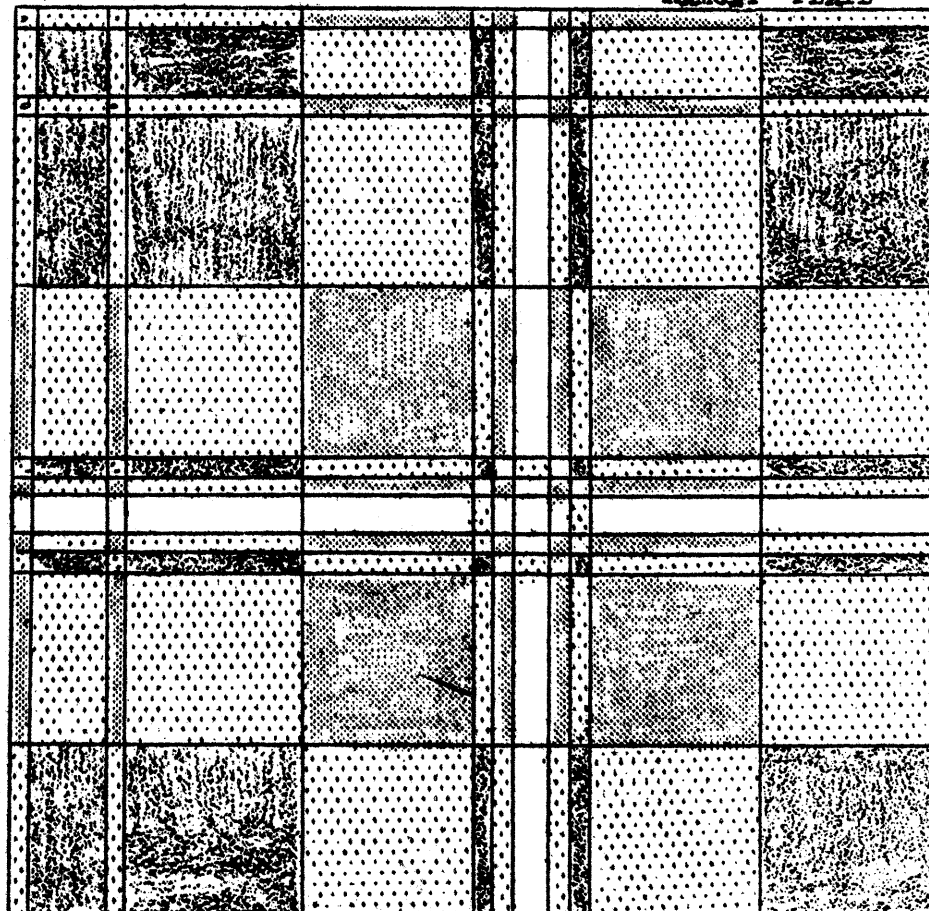
For both plaids, use same succession of colors and count for the weft as in warp.

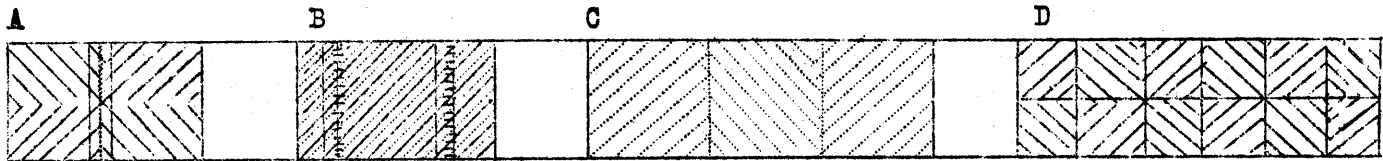
HAMILTON PLAID:

Warp: 3 colors; red, white and blue. One repeat covers 9 inches.

36 red; 4 white; 36 red; 24 blue; 6 red; 24 blue; 6 red; 24 blue. Repeat all. Weft, the same.

RAMSAY PLAID





In Fall and Winter we enjoy weaving with woolen yarns, making scarves, neckties, soft woolen runners or even yardage for winter suits and coats.

The Twill Weave and its variations are most useful. Their texture may be varied in many ways. Leaflet 1203 gives 12 variations for weaving Twill. L.1201 gives several variations for Herringbone or Goose-Eye. L.1202 gives winter scarf suggestions. L.1204 is the Shepherds' Check, a very good weave for winter dress goods and scarves. L.1205 gives suggestions for scarves in patriotic colors.

THE THREE-HARNESSTWILL. The simplest twill is threaded on three harnesses only, 1, 2, 3 and repeat. It is woven: H. 1&2, 2&3, 3&1 and repeat. This weave was used in the south in Colonial days to make the well known and practical "Jeans" fabric used for coarse durable trousers, etc. No tabby is possible with this threading. It may be used on a 4-harness loom by tying down the 4th harness and leaving this unused.

TWILL VERSUS TABBY. The same weight of thread should be set closer when threading for Twill than for Tabby. It is also possible to get more weft shots per inch, since the weft packs down more between pairs of warps, than between threads on alternate harnesses as in Tabby. The Twill fabric is therefor thicker, richer looking and more durable. In setting up a Twill warp allow for shrinkage in both warp and weft. The best texture is obtained by weaving as many rows of weft per inch as there are warp threads per inch.

THE FOUR-HARNESSTWILL. By threading Twill on a 4-harness loom: 1, 2, 3, 4 and repeat, it is possible to weave both tabby and twill on the same threading. Tabby is 1&3 and 2&4.

The "2-and-2" Twill. This is the same on both sides, and one weaves 2 harnesses up and 2 down right along: 1&2, 2&3, 3&4 and 4&1. Repeat.

The "3-and-1" Twill. In this one weaves 3 threads up and 1 down. One surface shows more of the warp than of the weft, and the other shows more weft than warp. Weave: 1&2&3; 2&3&4; 3&4&1; 4&1&2. Repeat.

The "1-and-3" Twill. This is the opposite of the "3-and-1" Twill. Weave: 1 alone; 2 alone; 3 alone; 4 alone. Repeat.

TWEED is the word applied to material woven as Twill, with Singles Homespun used for both Warp and Weft. It is a very durable fabric for mens' suitings. Set medium homespun at 15 or 16 per inch. It takes about 3/4 lb. wool for 1 sq. yard of Tweed. If Twill is woven with commercially spun yarn, the cloth made is known as "Serge".

VARIATIONS IN TWILL BY COLOR CHANGE IN THE WARP OR WEFT

The introduction of color in the Twill Weave produces unusual and lovely effects. In the structure of this weave, with wofts passing over two warps at a time, and a slight shifting of the direction to right or left, tiny shadows occur between the threads that enhance the color effect.

INTRODUCTION OF COLOR BANDS. Introduce an accenting warp thread at intervals of 1" or 2" as shown at A and B above. For instance, *Warp 30 threads background color; 1 dark; one bkgr. color; one dark; and repeat from *. Or : *24 thds. of a neutral shade; 2 dark; 2 light; * and repeat from *. To make what is known as a "Pencil Check", weave with the same succession of threads in the weft as in the warp. See D above.

THREADING COLOR ACCENTS AT THE "NODES" OF HERRINGBONE, ETC. Smart accents may be given to the texture of the Herringbone or Dornick by adding color at the reverse points thus Background color: Thds: 3, 4; 1, 2, 3, 4, 1, 2; Accent: 3, 4, 3; Bkgr: 2, 1, 4, 3; 2, 1, 4, 3; Accent: 2, 1, 2. Repeat all. See C above. Also D, where color bands appear also in weft reverses.

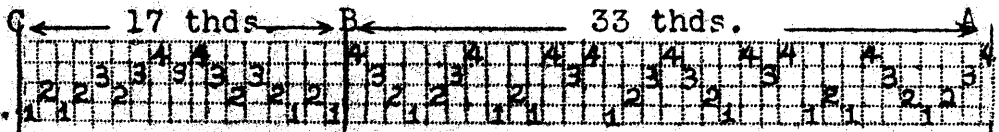
SHEPHERDS' CHECK. One of the prettiest threadings known for dress goods is this, used in Scotland for the clan tartans. Thread: 1, 2, 1st color; 3, 4, 2nd color. Repeat. Weave: 1-2, 2-3, 1st color; 3-4, 4-1, 2nd color. See Leaflet 1204. These changes may be varied: Thread 1, 2, 3, 4, 1, 2, -1st color; 3, 4, 2nd color. Repeat. (See book, Scotch Tartans, \$2.50)

This ingenious pattern combines both Twill and Diamond units, and the resulting texture is a lovely all-over surface pattern resembling Herringbone repeats. The pattern is so planned as to be woven with or without Tabby. It was initially planned for baby blankets, but is readily adapted to suitings of wool. The same warp may of course be used as a necktie fabric, woven as Tabby.

This pattern is also a useful one for toweling or runners. Use a fine 20/2 or 24/2 cotton warp; weave with Linen 20/1 in the many pastel colors now available; or use a colored cotton 20/2 or Perle 10 in colors. If weaving without Tabby, weave as Twill: Hs. 1&2, 2&3, 3&4 and 4&1.

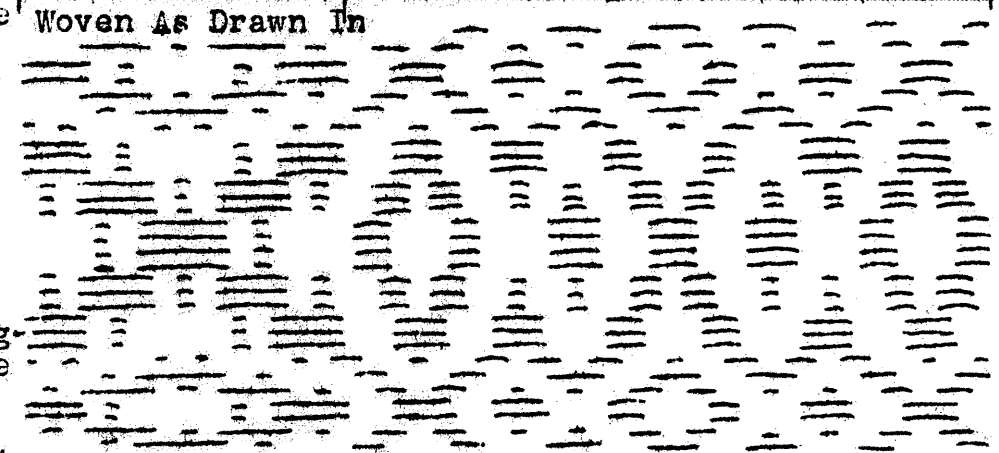
WARP PLAN:

For Baby Blankets:
Warp: Homespun fine,
Weavewool or Fabri.
Weft: The same or the
beautiful new wool
spun by the blind*
Thds. per inch: - - 24
Width: As desired.
(*\$3.75, 1/2 lb.)



THREADING PLAN:

Thread A to C for any width. Finish by adding A to B only. A to B is the Herringbone unit; B to C, the Diamond unit. Finish threading with same unit as used at start.



WEAVING PLAN:

1. With Tabby.
Weave each combination once each unless otherwise noted:

Hs. 3-4; 2-3; 1-2, 2x; 2-3; 3-4; 4-1; 1-2, 2x; 4-1; 3-4, 2x; 4-1; 1-2; 2-3; 3-4, 2x; 2-3; 1-2; 4-1; 3-4, 2x; 4-1; 1-2, 2x; 4-1; 3-4; 2-3; 1-2, 2x; 2-3; 3-4; 4-1; 1-2, 3x; 2-3, 3x; 3-4, 4x; 2-3, 3x; 1-2, 3x; 4-1. Repeat all. Last time to *only.

2. Without Tabby.

Weave as Twill: Hs. 1-2; 2-3; 3-4; 4-1, or reverse Twill: Hs. 1-2; 2-3; 3-4; 4-1; 3-4; 2-3 and repeat all.

Twill-fashion was used for sample.

THREADING PLAN for a Linen Towel.

Width: 16 in. wide.
Thds. per inch: 20/2 cotton at 30.
Total Threads: 483

Thread: A to C, 9x(50 thds) - - 450
Last or 10th time, A to B only - 33
Total - 483

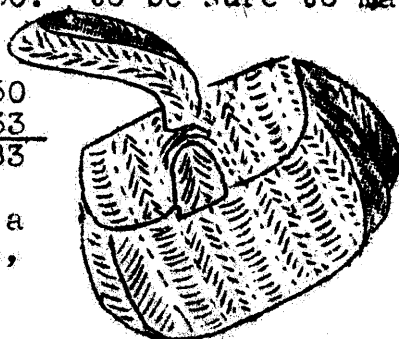
Weave as Twill with Perle 10 for a cotton towel, or pastel linen, 20/1, all shades, \$2.05 per 1/2 lb.

THREADING PLAN for Neckties, Scarves.

A good width for these is 20 in. Weave as Tabby with Twill borders.

Thread: Fabri or Weavewool warp set at 24 per inch.
Width 20". Total Thds. 483
Thread A to C, 9x(50) - - - 450
10th time, A to B - - 33
Total 483

BED BLANKETS: Weave two widths, 36 inches wide. Weave as Tabby with Twill borders. Measure each panel and its borders carefully, to be sure to match carefully.



The texture of this weave is excellent for purses.

Design a hat to match.

SMALL SPECKLED PATTERNS FOR SUITING
With Special Setting to Use for Blankets
or Upholstery

L.1208

The small simple things are often the most useful. Simple patterns yield to excellent color and texture variation. Both patterns on this page are excellent for suitings. For a close firm texture for suit or overcoat, use homespun set at 16 per inch. For a heavier softer material, desirable to use for blankets or soft sweaters and jackets, use Germantown yarn and set at 8 or 10 per inch. Both patterns may be woven without tabby, and No.2 may be woven with tabby.

USE FOR UPHOLSTERY:

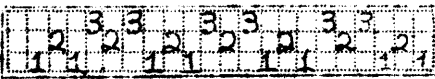
Both patterns may be threaded with a cotton warp, and woven with wool pattern weft and cotton or linen tabby, to make a good upholstery texture.

Use 16/4 set at 16 per inch, and weave with homespun and no tabby, for close and firm texture, no warp showing. Or use a heavier warp, such as 12/3 or 8/4 set at 16 per inch.

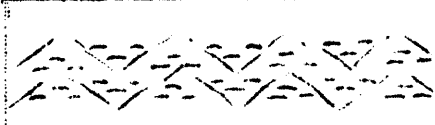
Cotton 10/2 warp set at 20 per inch, and woven with Weave-Wool and no tabby, gives a firm lovely scarf texture.

Below are some sketches of the various texture effects possible. (For No.1, tie down H.4, not is use.)

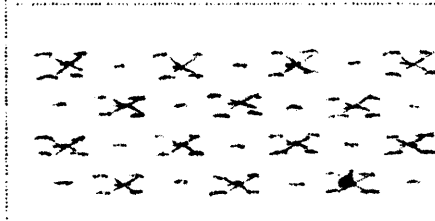
DRAFT NO.1.



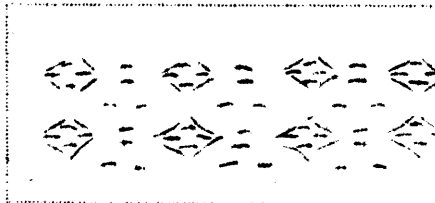
Weave without Tabby.



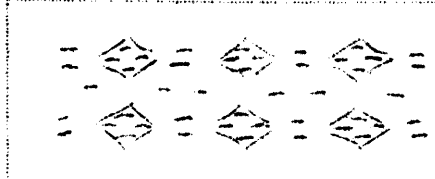
A
Treadle Bound*
Fashion, no tabby:
H. 3 alone
H. 2 "
H. 1 "
Repeat all.



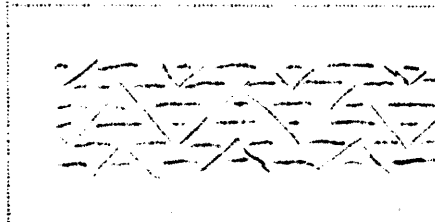
B
Tr. Hs. 1; 2; 1;
Hs. 3; 2; 3;
Repeat all.



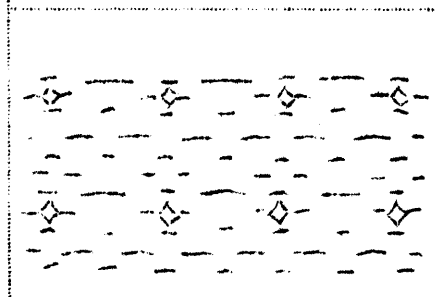
C
Tr. Hs. 2; 1;
2; 3. Repeat these 4 rows.



D
Tr. Hs. 2; 3;
2; 1. Repeat these 4 rows.



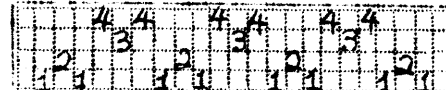
E
Tr. Hs. 2&3;
" 3&1;
" 1&2.
Repeat these 3 rows.



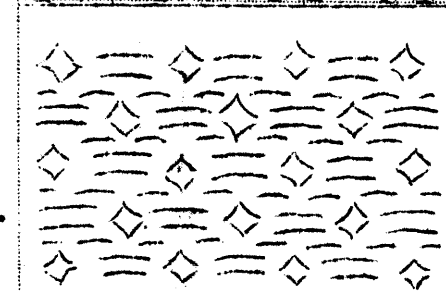
F
Tr. Hs. 2&3;
H. 1 alone;
H. 2 alone;
Hs. 1&3;
H. 2 alone;
H. 1 alone;
Repeat these 6 rows.

*For Bound-Fashion, L. 1904.

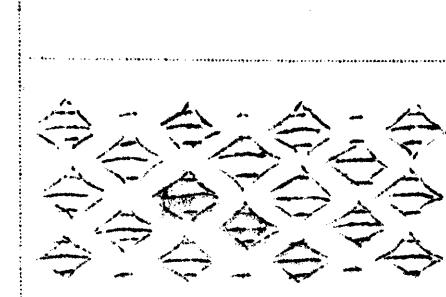
DRAFT NO.2.



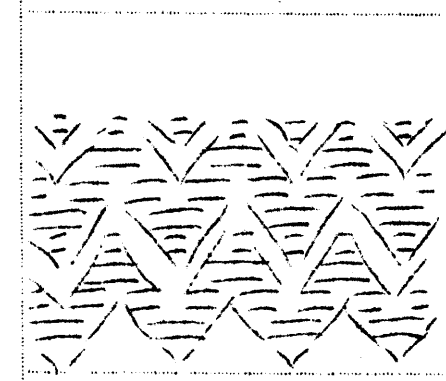
Weave with or without Tabby.



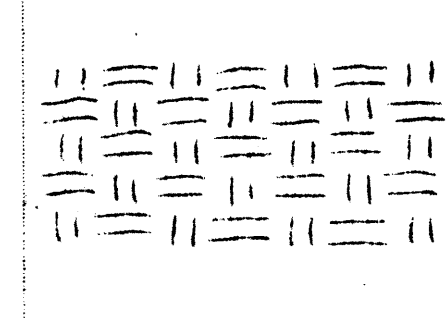
G
Tr. Hs. 3&4;
Hs. 3&4;
Hs. 4&1;
Hs. 1&2;
Hs. 1&2;
Hs. 4&1;
Repeat these 6 rows. Use Tabby.



H
Tr. Hs. 1&2;
Hs. 2&3;
Hs. 3&4;
Hs. 2&3;
Repeat these 4 rows. With or without Tabby.



J
Tr. Hs. 1&2, 2x
Hs. 2&3, 2x
Hs. 3&4, 2x
Hs. 4&1, 2x
Repeat these 8 rows. Use Tabby. Or weave Twill-fashion, once each, no Tabby.



K
Tr. Hs. 1&2, 2x
Hs. 3&4, 2x
Repeat these 4 rows. Or treadle any combination as desired.

SUITING TEXTURE WITH ZIG-ZAG LINES
 Resembles Multi-Harness Twill

L. 1209-a

This very stunning wool texture for suits, skirts or neckties was devised by Miss Helen Louise Allen in the following interesting way. In working out an expensive piece of wool suiting, we discovered that the fabric was doubtless nothing but Plain Weave, subjected by clever commercial means to pressure in spots, which changed it into the attractive result at hand. However, the lines of the pattern were so good that at our request, Miss Allen created the pattern below to produce practically the same results for the handweaver.

Two colors of wool should be used, one for the warp, the other for the weft. For this suiting we have used Lily's new homespun suiting yarn, set at 24 threads per in. The weft is not beat down as closely as usual, or the effect is lost. In other words, the warp should be set close enough so that weft will not pack down tightly and there will be more warp threads per inch than weft threads in the final fabric.

THE PATTERN DRAFT: Repeat as desired. One repeat 8 threads.



WARP PLAN:

- Warp: Homespun yarn, having about 3600 yds. per lb. or a bit coarser.
- Weft: The same, another color.
- Threads per inch: 24.
- Width: Any width, depending on recommended width for suitings given by your tailor.

THREADING PLAN: Repeat the 8 threads given all across warp.

WEAVING PLAN NO. I.

This material will curl slightly until steamed and pressed. It is woven by using the treadles singly. On a counterbalanced loom, it would be best to treadle three harnesses at a time, - these being the ones opposite to the single harness designated in the following, thus:

Instead of Harness 1, treadle 2, 3 and 4
" " " 2, " 3, 4 and 1
" " " 3, " 4, 1 and 2
" " " 4, " 1, 2 and 3

WEAVE AS FOLLOWS ON A JACK-LOOM:

Treadle singly harnesses:

- 3
- 4
- 2
- 3
- 1
- 2
- 4
- 1

Harnesses Cont:

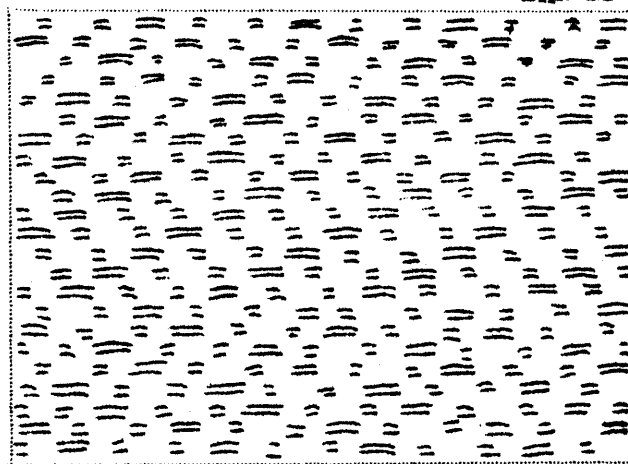
- 3
- 2
- 1
- 4
- 3
- 2*

Repeat all. (14 rows)

COUNTERBALANCED TREADLING:

Substitute the three treadles indicated for each single Jack treadle.

PLAN II.



WEAVING PLAN NO. II.

This material will not curl, but does not show the pattern as clearly as Plan No. I. Warp of one color; weave with second color, same weight or very little heavier.

Weave two harnesses at a time, on either a jack or counter-balanced loom.

Weave as follows: (Same treadling may be used on either a Jack or Counter-balanced loom.)

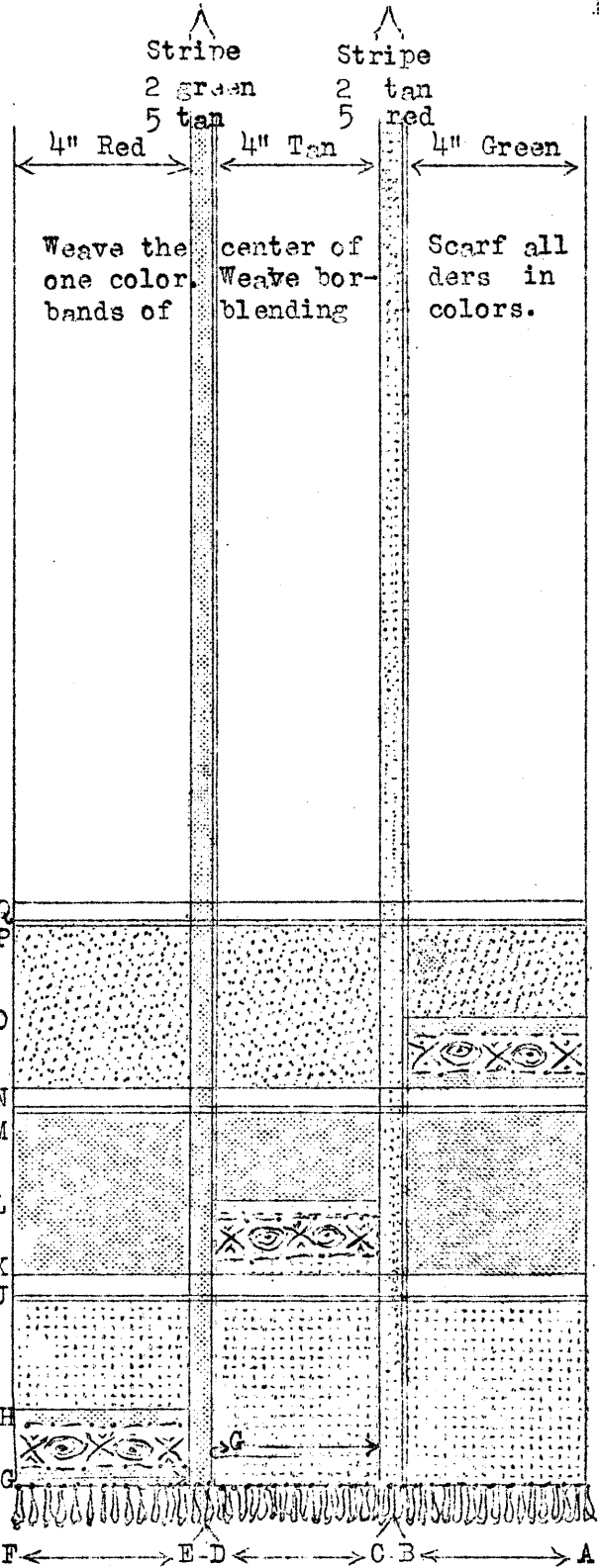
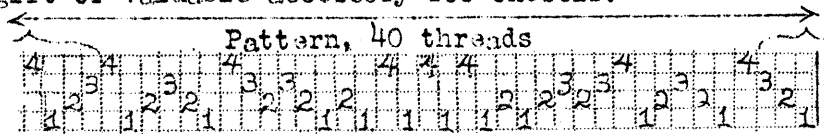
- Harnesses:
- 3 and 4
- 4 and 1
- 2 and 3
- 3 and 4
- 1 and 2
- 2 and 3
- 4 and 1
- 1 and 2
- 3 and 4
- 2 and 3
- 1 and 3
- 4 and 1
- 3 and 4
- 2 and 3
- 1 and 3

The sample was developed by weaving Plan I.

Repeat all. (15 rows)

The idea for this scarf was suggested by Mrs. Fred Thompson, member of the Salem Weavers' Guild, Oregon. Narrow vertical stripes of accenting colors separate three wide warp stripes. The pattern is so threaded that attractive motifs may be laid-in on the pattern threading, as far as each next stripe, as shown in the sketch. The design may be repeated so as to form steps of the pattern motifs in square blocks of colored weft, and these blocks are also framed in accenting horizontal bands of color. The scarf is most appealing, and makes a lovely gift or valuable accessory for oneself.

For firm closely woven cloth, set warp at 24 per in. For softer texture, set at 20 threads per in.



The draft consists of 40 threads. Keep repeating from right to left, all along the warp which is arranged in stripes as follows. The accenting fine stripes between the wide bands will come on harnesses 3, 2, 1(4)1, 2, 3. (Brackets)

THREADING PLAN: Warp colors as follows: Use any three colors that blend, 1, 2 & 3.

- A-B: 76 green (C.1)
- B-C: 2 tan (C.2)
- 5 red (C.3)
- C-D: 73 tan (C.2)
- D-E: 2 green (C.1)
- E-F: 5 tan (C.2)
- E-F: 77 red (C.3)
- Total: 310 threads

WARP PLAN:
 Warp: 2-ply wool, either Weavewool or Warpwool.
 Weft: The same weight.
 Pattern Weft: Same double
 Thds. per in: 24
 Width in Reed: 13 in.
 Total Threads: 310.

Thread once through.

WEAVING PLAN: You may weave as Plain Weave, using successive bands of the three colors, to make plaid sections. Still more effective is the plan shown here, of making an inlaid pattern motif in each successive band. Bring the pattern thread up to the vertical stripe beside its section, as shown at arrow, G, and let it pass around first thread of this vertical stripe. The contrasting color of the stripe will help guide the eye.

Section G-H: Weave 4 rows Tan (C.2) then use Red (C.3) for Tabby; and double Green and Tan for Pattern, as follows:

- Harnesses 3&4, 2x, dbl. Gr. Hs. 2&3, 2x, dbl. Tan
 - " 4&1, 2x, " " " 3&4, 2x, " "
 - " 1&2, 2x, " Tan. " (4&1) 2x, " Gr.
- (Center) reverse.

Section H-J: 2" Red Tabby; Section J-K: 2 rows Tan; 5 rows Green.

Section: K-L: Tan Tabby; Pattern, Gr. & Red, dbl. as follows: Hs. 3&4, 2x, Red; Hs. 4&1, 2x, Red; Hs. 1&2, 2x, Gr; Hs. 2&3, 2x, Gr; Hs. 3&4, 2x, Gr; Hs. (4&1) 2x, Red.
 (Center) reverse.

Section L-M, Tan Tabby; M-N, 2 Red; 5 Tan rows.
 Section N-O. Tabby, Green: Pattern, Red & Tan dbl
 Hs. 3&4, 2x, Tan; Hs. 4&1, 2x, Tan; Hs. 1&2, 2x, Red; Hs. 2&3, 2x, Red; Hs. 3&4, 2x, Red; Hs. (4&1) 2x, Tan. (Center) Reverse.

Section O-P: Green Tabby; P-Q: 4 Red; 2 Tan.
 Center of Scarf: Weave Plain Red or Tan only.

SMALL SPECKLED PATTERNS FOR SUITING
With Special Setting to Use for Blankets
or Upholstery

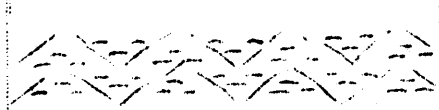
The small simple things are often the most useful. Simple patterns yield to excellent color and texture variation. Both patterns on this page are excellent for suitings. For a close firm texture for suit or overcoat, use homespun set at 16 per inch. For a heavier softer material, desirable to use for blankets or soft sweaters and jackets, use Germantown yarn and set at 8 or 10 per inch. Both patterns may be woven without tabby, and No.2 may be woven with tabby.

Below are some sketches of the various texture effects possible. (For No.1, tie down H.4, not in use.)

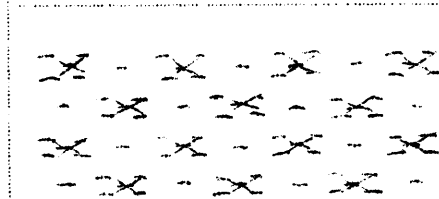
DRAFT NO.1.

2	3	3	3	3	3	3	3
1	1	1	1	1	1	1	1

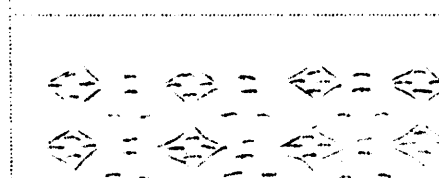
Weave without Tabby.



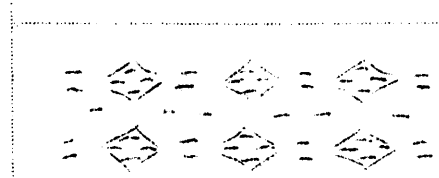
A Treadle Bound*
Fashion, no tabby:
H. 3 alone
H. 2 "
H. 1 "
Repeat all.



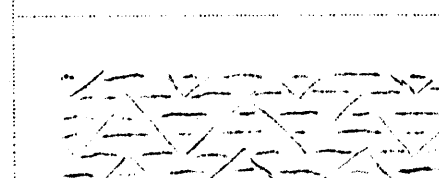
B Tr. Hs. 1; 2; 1;
Hs. 3; 2; 3;
Repeat all.



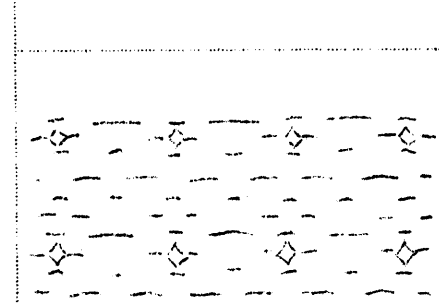
C Tr. Hs. 2; 1;
2; 3. Repeat these 4 rows.



D Tr. Hs. 2; 3;
2; 1. Repeat these 4 rows.



E Tr. Hs. 2&3;
" 3&1;
" 1&2.
Repeat these 3 rows.



F Tr. Hs. 2&3;
H. 1 alone;
H. 2 alone;
Hs. 1&3;
H. 2 alone;
H. 1 alone;
Repeat these 6 rows.

*For Bound-Fashion, L. 1904.

USE FOR UPHOLSTERY:

Both patterns may be threaded with a cotton warp, and woven with wool pattern weft and cotton or linen tabby, to make a good upholstery texture.

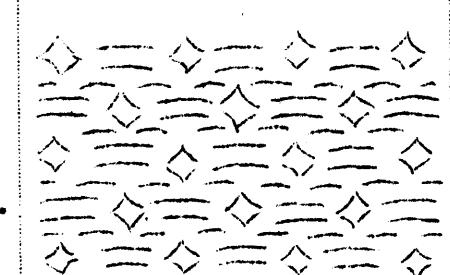
Use 16/4 set at 16 per inch, and weave with homespun and no tabby, for close and firm texture, no warp showing. Or use a heavier warp, such as 12/3 or 8/4 set at 16 per inch.

Cotton 10/2 warp set at 20 per inch, and woven with Weave-Wool and no tabby, gives a firm lovely scarf texture.

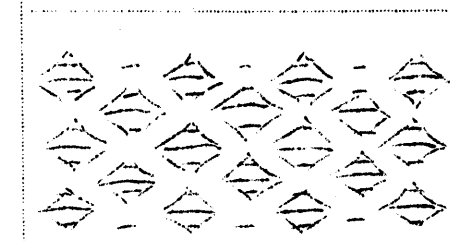
DRAFT NO.2.

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

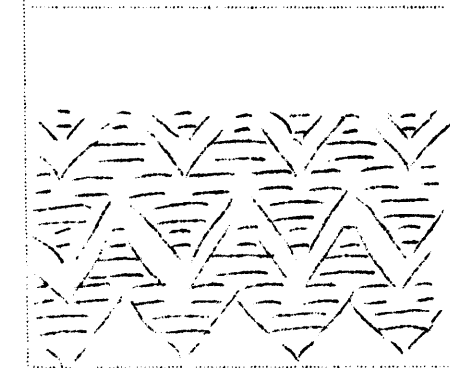
Weave with or without Tabby.



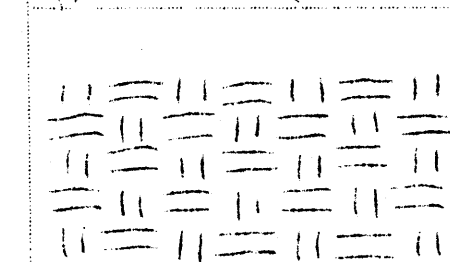
G Tr. Hs. 3&4;
Hs. 3&4;
Hs. 4&1;
Hs. 1&2;
Hs. 1&2;
Hs. 4&1;
Repeat these 6 rows. Use Tabby.



H Tr. Hs. 1&2;
Hs. 2&3;
Hs. 3&4;
Hs. 2&3;
Repeat these 4 rows. With or without Tabby.



J Tr. Hs. 1&2, 2x
Hs. 2&3, 2x
Hs. 3&4, 2x
Hs. 4&1, 2x
Repeat these 8 rows. Use Tabby. Or weave Twill-fashion, once each, no Tabby.



K Tr. Hs. 1&2, 2x
Hs. 3&4, 2x
Repeat these 4 rows. Or treadle any combination as desired.

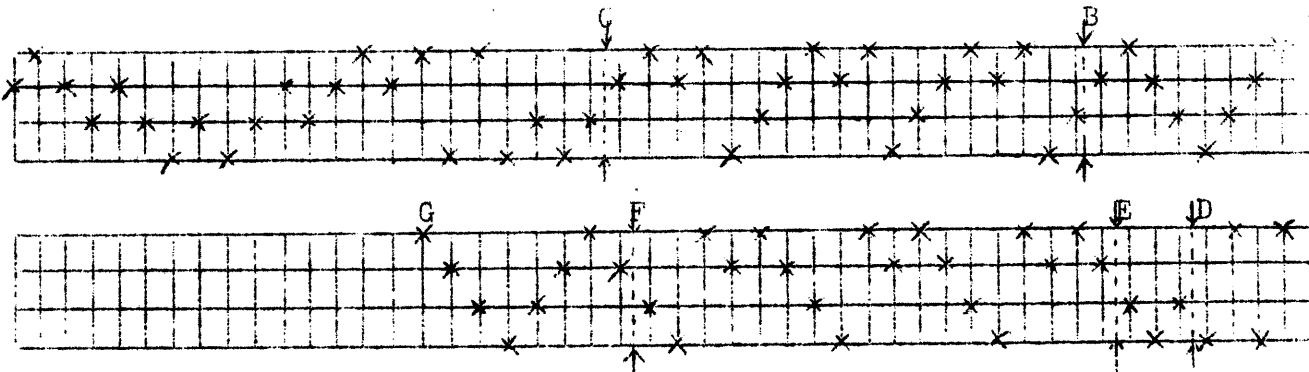
The twill pattern consists of a simple threading of successive harnesses, -4,3,2,1 and repeat. This may be woven in the same way that it is threaded, producing a diagonal stripe, or it may be woven in a mottled effect. Some of the variations are shown below. You will recognize these weaves as similar to twill patterns used in dress materials. On the small 4-harness loom, this pattern forms an interesting base for striped work; the texture of the material shows a little design that does not interfere with colored stripes but adds to their attractiveness.

WEAVING DRAFTS

	TWILL PATTERN		PATTERN EFFECTS
At the right is the harness draft or "pick-up of pattern.		↓	
	WEAVING PLAN A		
Weave the above pattern as shown by numbers.		4-3 3-2 2-1 1-4 Repeat.	
	WEAVING PLAN B		
By reversing numbers of A, a zig-zag effect results. Reverse but only weave 4-3 once.		4-3 5-2 2-1 1-4 2-1 3-2 4-3	
	WEAVING PLAN C		
The pattern thread will show as a dot in this pattern. Use		4 2 3 1 Repeat	
A tabby .	WEAVING PLAN D		
A heavy mottled effect results from this weave. Try D and E with tabby.		4-3 2-1 3-2 1-4	
	WEAVING PLAN E		
A marked zig-zag pattern is the effect of this weave.		4-3 4-1 3-2 2-1	

WEAVING A LITTLE TEA APRON
WITH AN OLD-WORLD PATTERN

1249



Tea aprons are nice to have, and nice to give away as gifts. Choose three shades of the same color, Light (L) Medium (M) and Dark (D), for the pattern thread. This should be Perle 10 used double or a single strand of crochet cotton.

WARP: 20/2ply
WIDTH IN SLEY: 22"
THDS. PER INCH: 24
TOTAL NO. THDS: 653

WEFT: For tabby use a fine white linen, 20/1 white weft, or 20/1 warp thread.
SIZE SLEY: 24 dents per inch, or 12 dents with 2 per inch.

THREADING: Read pattern as follows:

A-B, Selvage,	8 thds.
B-C, Border,	18 "
C-D, Pattern, 26 thds.,	
Repeat 23 times----	598 "
D-E, 3 extra threads----	3 "
E-F, Left Border,	18 "
F-G, Left Selvage,	8 "
Total-----	653 "

WEAVING: Read pattern given below from base of apron, or from H and upward.

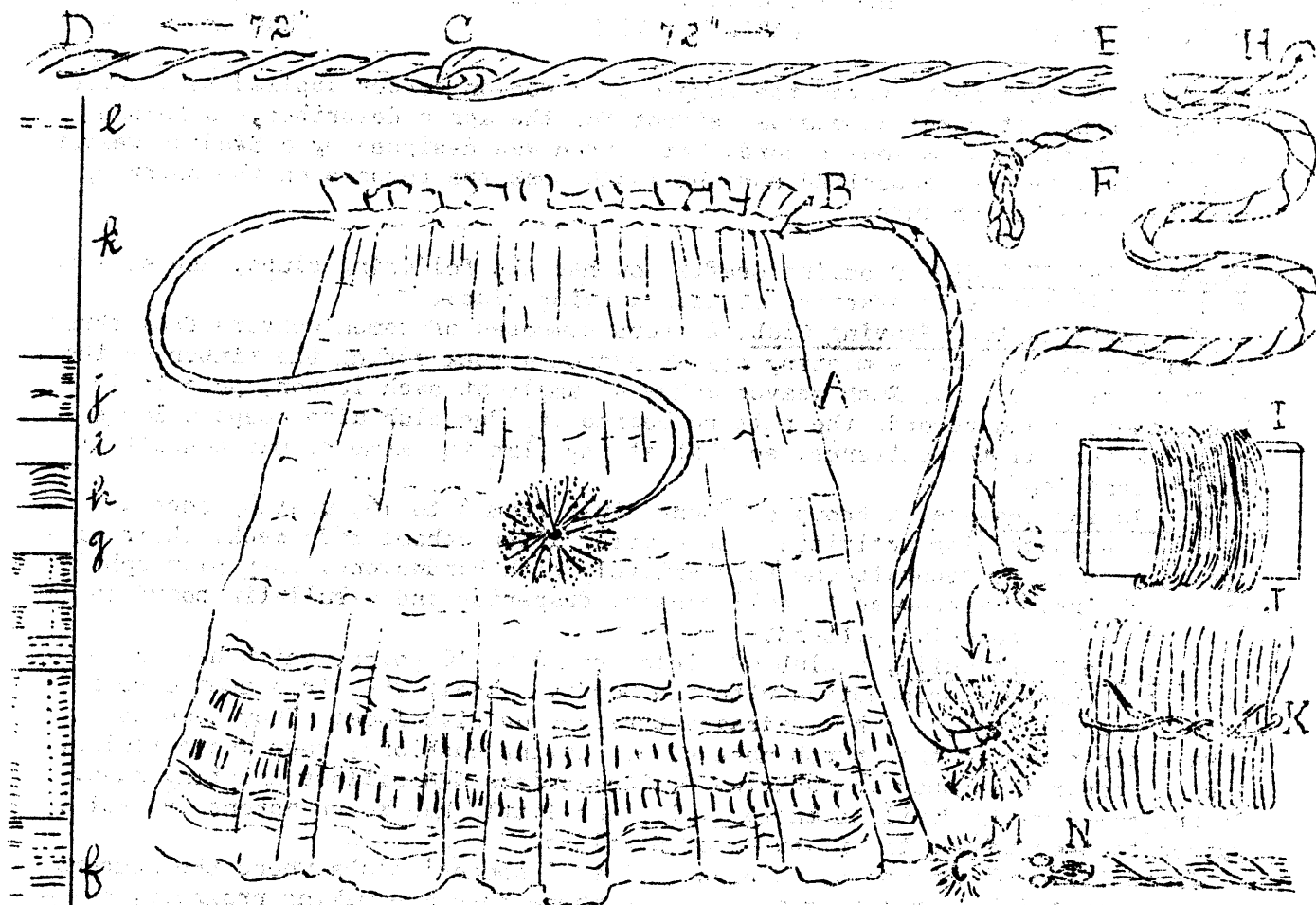
O. Dark,	1-2 (2x)	-----	O
	2-3 (2x)		
	3-4 (2x)		
	4-1 (2x)	(Note: The wide border given at O has a center marked below. Reverse from this point.)	
Medium,	1-2 (2x)		
	2-3 (2x)		
	3-4 (2x)		
	4-1 (2x)		
Light,	1-2 (2x)		
	2-3 (2x)		
	3-4 (2x)		
	4-1 (2x)		
Dark,	1-2 (2x)	<u>CENTER OF BORDER.</u>	
	2-3 (2x)		
	1-2 (2x)		
N. 3/8" plain tabby.			N
M. Light, 1-2 (2x) ; 2-3 (2x);			M
	1-2 (2x)		
L. 3/8" plain tabby			L
K. Medium, 2-1 (4x)			K
J. 3/8" plain tabby			J
I. Dark, 1-2 (2x)			I
H. 2 inches plain tabby			H

MAKING APRON: For the belt of apron you will need a woven strip 44 inches long, or two strips on warp. These are sewed together for complete belt. Weave these strips 1 inch wide of pattern-work, and 1 inch wide plain tabby. The tabby is used on the wrong side of apron, the pattern showing around the belt. To make apron at top proper size for belt, make five or seven pleats across top as shown above, reducing top of apron to width 13 inch.

Hem apron at bottom in a 2" hem.

THREADS Gromaine Crafts has a large assortment of shades of colors to use in weaving border designs like this. The same border is very good for table runners or large towels.





MAKING POMPONS: Wrap odds and ends of colored wool like pattern, with some white added, around heavy cardboard 3 1/2" wide, as at I, forming a fat ball 2" thick. Slip wool off card, wrap tightly around center with linen thread, J. Tighten in knot, K. Tie pompon to cut end of rope, G. Fasten a second pompon to other end of rope, sewing a cloth eye at center of pompon, L, and attaching hook to rope-end, H. When washing apron, unhook pompon and pull out cord. Trim pompons evenly on all sides.

WEAVING APRON SQUARE: Warp Plan:

Warp: 30/2 ply cotton or 50/2 linen. 20/2ply cotton will do, tho not so sheer.
 Weft: Tabby same as warp, or use very fine cotton, Pansy Mercerized, \$.15 per sp.
 Width in Reed: 32"; Threads per inch, 35; (or 32) Total No. Thds. 1120 for 35-dent reed; 1024 for 32-dent.

THREADING PLAN: Repeat Monk's Belt Pattern all across warp. (Also Honeysuckle)

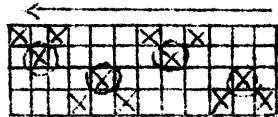
WEAVING PLAN: If using Honeysuckle, repeat in usual form; for Monk's Belt:---

- See letters and diagram at left: a. 4 1/2" plain white tabby for 2" hem.
- b. 3/8" of pattern, all dark blue: 1-2, 4x; 3-4, once; 1-2, once; 3-4, once; 1-2, 4x.
- c. 1/4" white tabby.
- d. 1/4" pattern in red: 3-4, twice; 1-2, twice; 3-4, twice.
- e. 1/4" white tabby.
- f. 3 3/4" wide center pattern band with variegated colors as per choice: i.e. Navy, 1-2, 4x; Pale Blue, 3-4, 4x; Delft Blue, 1-2, 6x; Yellow, 1-2, once; Delft, 1-2, once; Yellow, 1-2, once; Delft, 1-2, once; Shades of red in 1/8" bands, 1-2 for 1"; Delft, 3-4, once; Delft, 1-2, once; Delft, 3-4, once; Pale Blue, 3-4, 3x; Yellow, 1-2, twice; Yellow, 3-4, twice; Delft, 1-2, twice; Delft, 3-4, twice. This last combination with Delft is the center of the wide band, f. Reverse from here to end of band f.
- g. like e; h. like d; i. like c; j. like b. k. 2 1/2" white tabby. l. Any color used in pattern with 3-4, twice. Repeat k and l to top of apron.

MONK'S BELT: The Monk's Belt which will work out best here is, 1, 2, 3, 4; (1, 2, 1, 2, 1, 2, 1, 2) (3, 4, 3, 4, 3, 4, 3, 4) (1, 2;) (3, 4, 3, 4, 3, 4, 3, 4) (1, 2, 1, 2, 1, 2, 1, 2) (1, 2, 3, 4, 1, 2, 3, 4). Read this as if starting at right on harness draft.

Very stunning coat or dress fabrics may be woven using simple threadings. The pattern below is called "Raindrops" and weaves up into an attractive all-over surface effect, also good for draperies of one tone but pebbly texture. By adding a thread of a second color in the warp, (see small circles) this color is thrown up in the weave at regular intervals as a small dot. For this weave one needs to use a lighter thread for tabby than pattern.

PATTERN: RAINDROPS



WARP PLAN FOR HEAVY COAT (or DRAPERIES)

Warp: Soft Crochet Cotton, bedspread cotton or Perle No.5.
 Weft: Ibid.
 Thds. per in. 16 for soft mesh; 20 for firmly packed material.
 Width of Material: 32" or 42".
 Total No. of Thds. Multiply width of material by thds. per in.

THREADING

Simply repeat pattern reading from right to left.

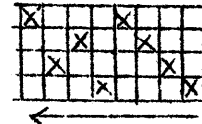
WEAVING PLAN

Plan 1.	Pattern	Tabby
	4-1 -----	1-3
	3-4 -----	2-4
	4-1 -----	1-3
	1-2 -----	2-4
	Repeat	
Plan 2.	4-1 -----	1-3
	3-4 -----	2-4
	3-4 -----	1-3
	4-1 -----	2-4
	1-2 -----	1-3
	1-2 -----	2-4
	Repeat	

Try either of these patterns. The one below makes a more definite nub in the pattern.

The little pattern given below is excellent for the use of fine wools in developing dress materials of lighter weight. It may be used for light fall suits, blouses, light weight skirts, dainty shawls. The weave makes a good-looking all-over mottled effect, with small interlocked points or half-diamonds. One may weave only the first column of the notation given below under Weaving Plan for a different effect. Only one weft thread is used, there being no binding tabby necessary. This should be of the same weight as the warp, and for best effects use the same kind of thread.

PATTERN: CREPE EFFECT



WARP PLAN FOR FINE DRESS MATERIALS of Wool or soft Perle cotton.

Warp: Fabri wool or Perle 20
 Weft: Ibid.
 Thds. per in. 30 (or 32)
 Width of Material: 32" or 42".
 Total No. of Thds. Multiply width of material by thds. per in.

THREADING

Simply repeat pattern, reading from right to left.

WEAVING PLAN (No Tabby)

Weave	1-2	3-4
	3-4	1-2
A	1-2	C 3-4
	2-4	1-3
B	1-3	D 2-4
	2-4	1-3
		Repeat.

For use of two colors, alternate, with A, 1st color; B, 2d color; C, 1st; D, 2d.

For different effects, weave A and B and keep on repeating; or C and D, and repeat.

For crochet cottons in all colors, inquire at Gallinger Crafts.

WARP PLAN:

Warp: 20/2 or 24/3 Cotton

Weft: Pattern Weft:

Crochet Cotton
or Perle 5.

Tabby: Like

Warp or
Linen 18/1
or 20/1

Weave
shoulder
straps, 2" wide,
32" long. Hem
with pin hem at
edge to width of 1 1/2"

DESIGN in MONK'S BELT,

Leaflet 824

PLAN OF ENTIRE APRON

4" white tabby, hem.	1/2" wh. tab.	1/4" Bor. E.
1" Border C	1" Bor. C.	1 1/2" wh. tab.
1/2" wh. tab.	1 1/2" wh. tab.	1 1/8" Bor. F.
3/8" Bor. E	1 1/4" Bor. A	9" wh. tab.
1/2" wh. tab.	1 1/2" wh. tab.	
7" solid Border, combine A, B, C, D.	1/2" Bor. D.	Improvise any borders of these widths.
1/2" wh. tab.	1 1/4" wh. tab.	
3/8" Bor. E.	1/2" Bor. D	
	1 1/2" wh. tab.	Tot. Length: 34"

WEAVING PLAN:

Entire pattern consists of two blocks, 1-2: rep. as desired; and 3-4, rep. as desired. Alternate these two blocks in red or blue, in any size or scheme.

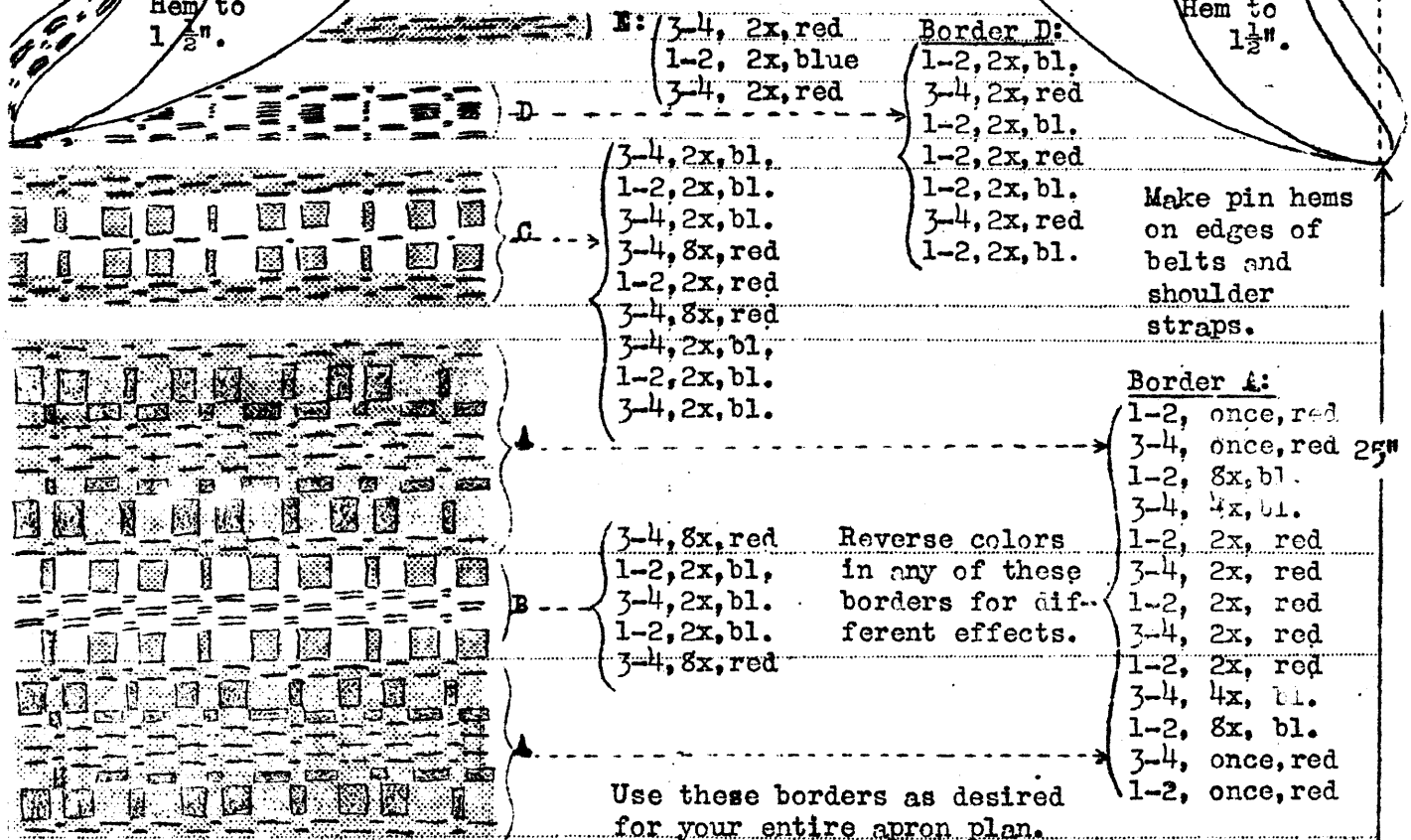
Right Belt:
2" wide
10" long
Hem to 1 1/2".

Fold the 16" front in six 1 1/2" tucks, making it 10".
Make tucks 8" long.

F: 3-4, 2 times, dk. blue.

Out in 8" on each side of 32" width, to make center front, 16". This is then put into narrow tucks until 10" wide.

Left belt:
2" wide
21" long
Hem to 1 1/2".



Make pin hems on edges of belts and shoulder straps.

Border A:

- 1-2, once, red
- 3-4, once, red 25"
- 1-2, 8x, bl.
- 3-4, 4x, bl.
- 1-2, 2x, red
- 3-4, 2x, red
- 1-2, 2x, red
- 3-4, 2x, red
- 1-2, 2x, red
- 3-4, 4x, bl.
- 1-2, 8x, bl.
- 3-4, once, red
- 1-2, once, red

Use these borders as desired for your entire apron plan.

Weave 4", for 1 1/2" hem.

A HAT FOR EARLY FALL WITH ALL-OVER PATTERN

This modern head-covering, made of a piece of material woven in solid pattern-work, is easily cut and framed into a most attractive light fall bonnet.

LOOM THREADING

Warp: 20/2 ply cotton

Weft: Fine fabric wool or crochet cotton

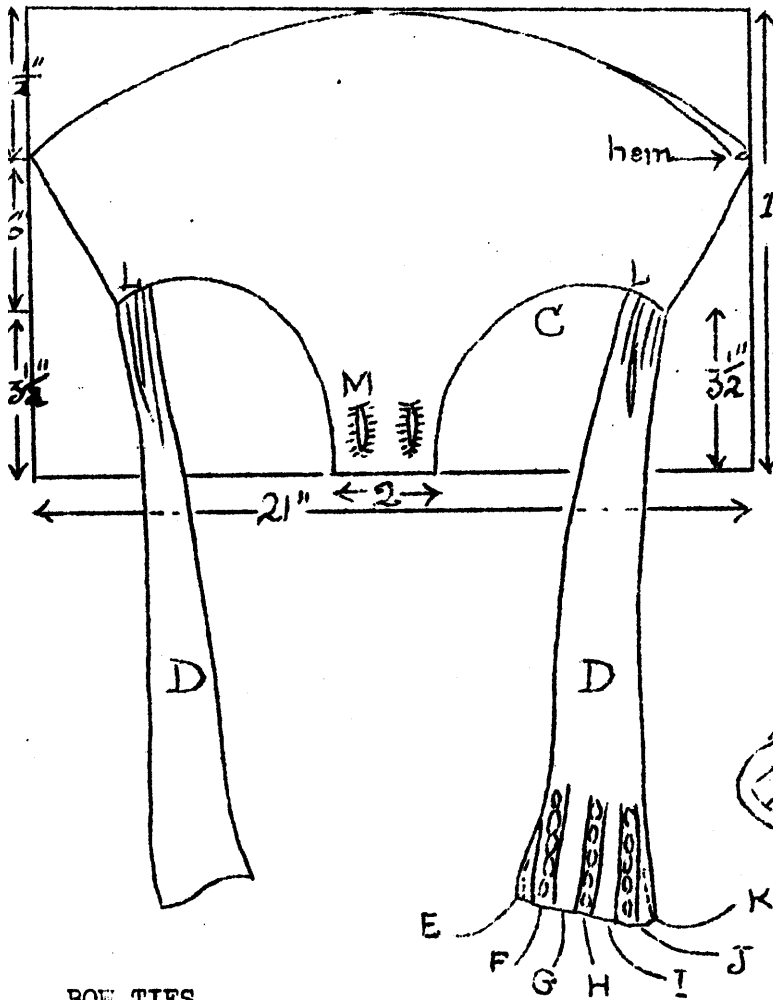
Pattern: Honeysuckle

Width in reed: 22"

Size reed: 16 dents per inch (or 30)

Threads per inch: 32, two threads per dent (or 30)

Total number threads: 704 (or 660)



WEAVING DRAFT

Section A:	{ 1-4 1-2 2-3 3-4 2-3 1-2 1-4	Section B:	3-4 (8 times) Repeat: A and B
------------	---	------------	--------------------------------------

DIMENSIONS OF HAT

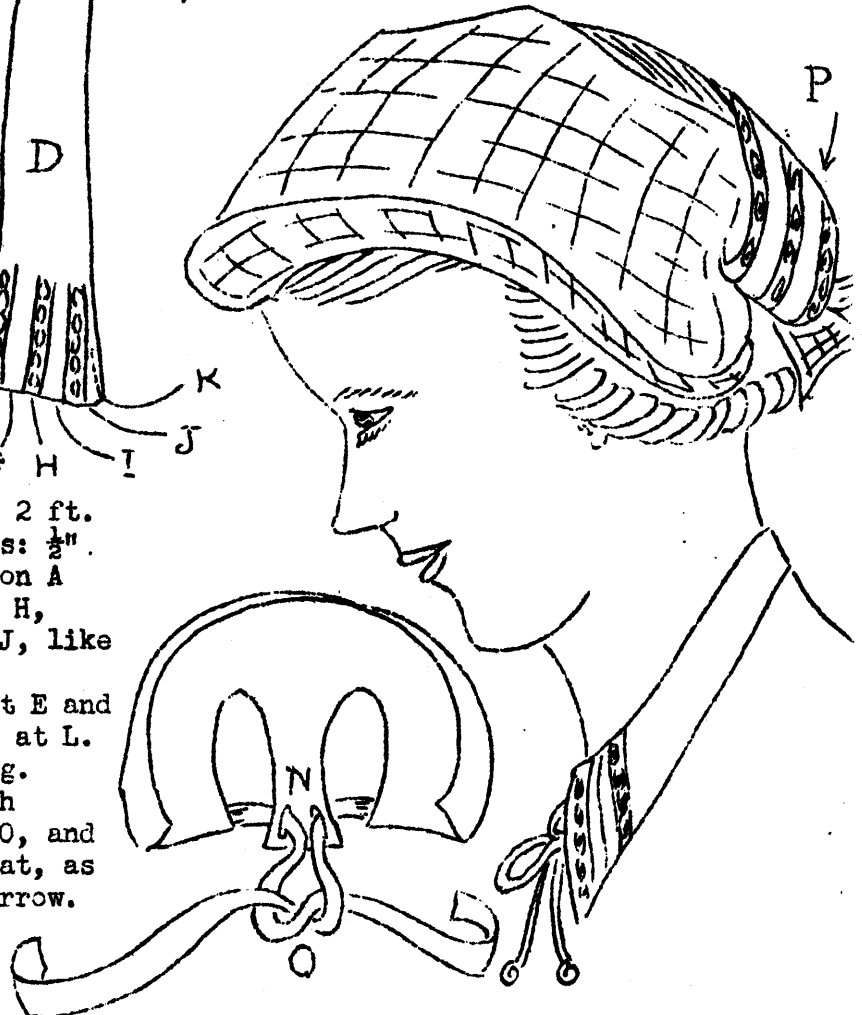
Weave hat 21 inches wide, and 14 inches long as shown in sketch. Cut out scallops $3\frac{1}{2}$ " above base, as at C. Cut round top, as far down as $4\frac{1}{2}$ ". Hem edge all around or bind with bias tape, as at arrow.

BOW-TIES

Weave two straps, D, measuring 2 ft. long, 2 inches wide, as follows: $\frac{1}{2}$ " plain, E; pattern F like section A of weaving draft; $\frac{3}{4}$ " plain, G; H, like A of draft; I, $\frac{3}{4}$ " plain; J, like A of draft; K, $\frac{1}{2}$ " plain.

Hem two sides of straps, as at E and K. Attach to sides of hat, as at L. Buttonhole openings, M, 1" long.

To form hat run straps through openings, as at N; tie, as at O, and finish with a bow at back of hat, as shown in girl's sketch at P, arrow.

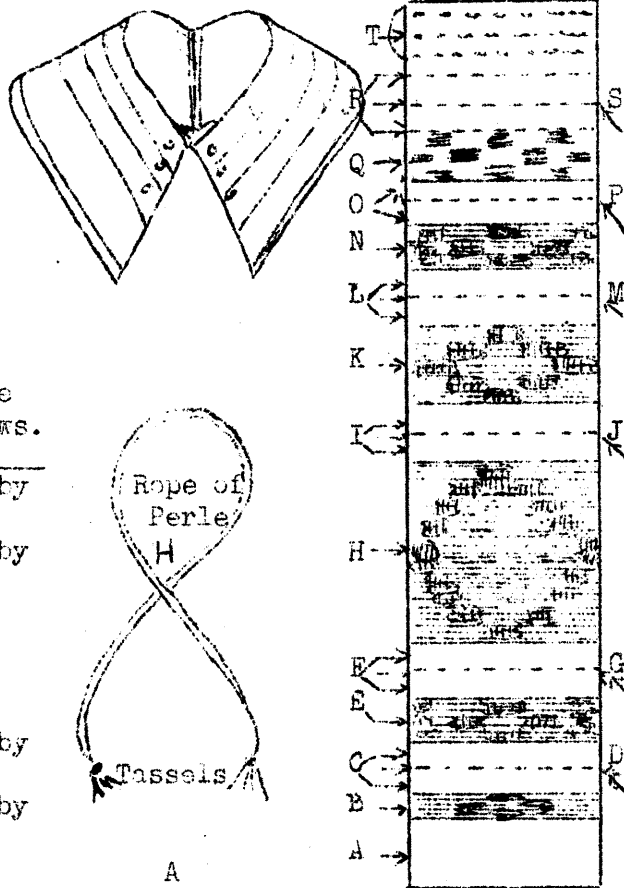


A hand-woven collar using bright peasanty colors, adds a note of smart appeal to any dress. For the weaving plan given here the pattern on your loom may be Russian Blazer, Rose-Path, Honeysuckle, Herringbone or Diamond.

MATERIALS: Warp: 20/2, or 30/2, 30 or 32 cents per inch. Weft: Linen 20/1. Pattern: Perle no.10, used double. **COLORS:** Choose a dark, D, a light, L, and a contrasting color, X.

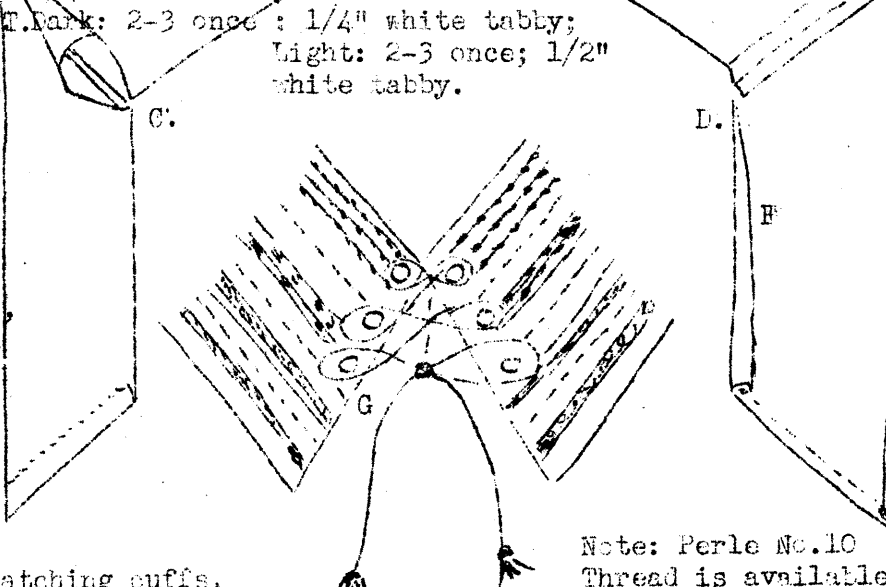
WEAVING PLAN: Weave two strips 20" wide and 5" along length of loom, as follows. Follow letters on diagram at right.

- | | |
|------------------------|---------------------------------------|
| A. 1/2" white tabby | I. 1/4" white tabby |
| B. Dark, 1-4, 1-2, 1-4 | J. X. 2-3 once |
| G. 1/4" white tabby | I. 1/4" white tabby |
| D. Contrasting, X, 2-3 | K. Light: 1-4(2x) |
| C. 1/4" white tabby | 1-2(2x) |
| E. Light, 1-4(2x), | 2-3(2x) |
| 1-2(2x) | 1-2(2x) |
| 1-4(2x) | 1-4(2x) |
| F. 1/4" white tabby | L. 1/4" white tabby |
| G. X, 2-3 once | M. X. 2-3 once |
| F. 1/4" white tabby | L. 1/4" white tabby |
| H. Dark: 1-4(3x) | N. Dark. 1-4(2x) |
| 1-2(2x) | 1-2(2x) |
| 2-3(2x) | 1-4(2x) |
| 3-4(2x) | O. 1/4" white tabby |
| Light: 1-4(2x) | P. X. 2-3 once |
| X---- 1-4(1x) | O. 1/4" white tabby |
| Light. 1-4(2x) | Q. Light, 1-4(1x) |
| Dark: 3-4(2x) | 1-2(1x) |
| 2-3(2x) | 1-4(1x) |
| 1-2(2x) | R. 1/4" white tabby |
| 1-4(2x) | S. X. 2-3 once |
| | R. 1/4" white tabby. |
| | T. Dark: 2-3 once : 1/4" white tabby; |



PUTTING COLLAR TOGETHER

Lay two pieces together, as at A; cut off corners at 45 degrees, sew and cover with binding, B. Halfway along each side fold collar into points, C; cut off extra goods, cover with binding, D. Hem around entire collar, as at F. Cover ends with binding. Put three buttons at front part of collar, G. Make a rope, H, of perle thread, and braid back and forth between buttons.



The same pattern makes matching cuffs. The border given above is also suitable for runners.

Note: Perle No.10 Thread is available in many lovely shades.

When we think of weaving belts we usually picture a narrow warp woven lengthwise. But it is possible to weave a belt weft-wise, or across the warp from selvage to selvage. A section of tabby is first woven to be made into a hem, then the solid portion of the belt is made as wide as desired, and finally enough selvtabby for hem on other edge. For a good belt length, the warp should be set from 32" to 36" wide; but it is possible to weave the belt in two sections on a narrower loom, each section measuring 16" more or less, or half the desired length. The two sections may be put together when woven, with interesting ties or knots. Such a plan was used to make the belt and dress trimmings in the sketch shown. It is nice to know how to weave a belt in this way, for one may use many a warp planned for other things, taking up only a few inches for a complete belt.

RECOMMENDED PATTERNS: Patterns that lend themselves to this type belt are those of short overshoot, such as Rosepath, Diamond, Honeysuckle and Monk's Belt, - altho many other patterns can be used. Try out the pattern on your loom.

MATERIAL: Warp: 12/3, 20 per inch;
or 24/3, 30 or 32 per inch;
or Perugian Filler, 24 per inch;
or Perle 10, 24 per inch;
or 20/2 ply cotton, 30 or 32 per in.

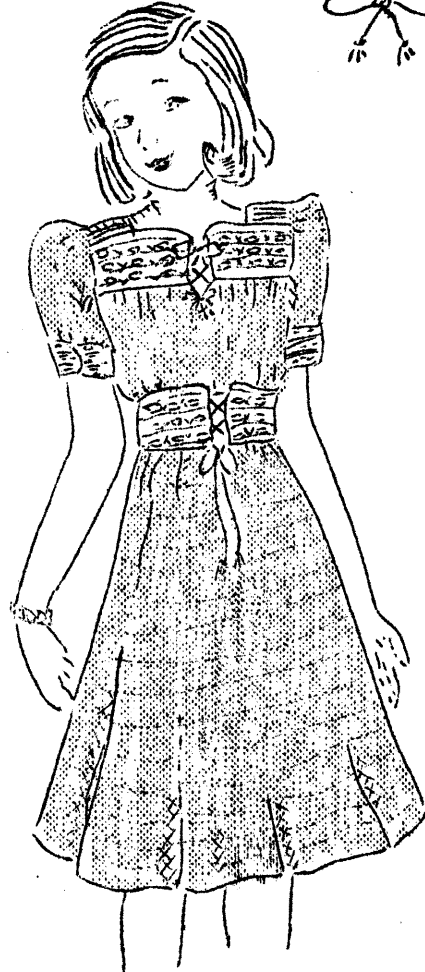
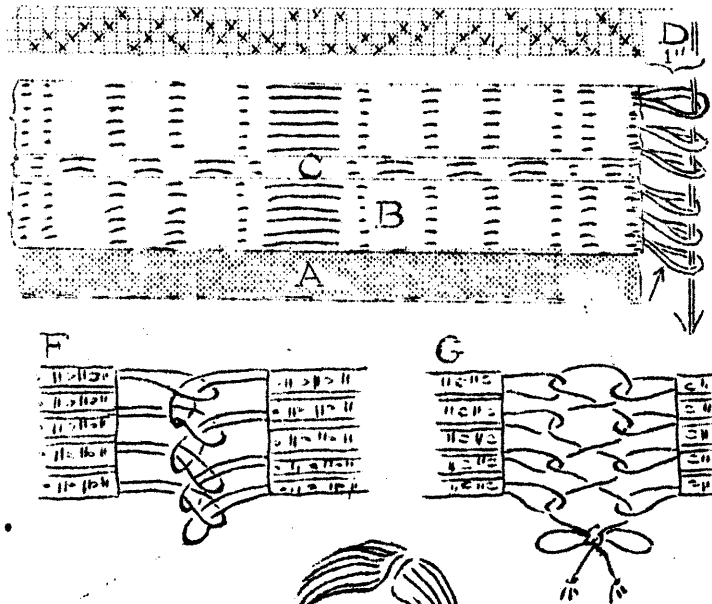
Weft: Heavy Wool such as German-town, or Thrifty-Knit Cotton or candlewicking; also Crochet Cotton used double or triple. Use 2 colors.

WEAVING PLAN: See sections marked A, B and C in draft and sketch above.

- A. Weave 1/2" or more plain tabby for hem.
- B. Use a pair of treadles giving an attractive overshoot, such as 4-1 in the Honeysuckle, shown above. Repeat this for a width of 1/2" or more in first color.
- C. Use the opposite pair of treadles, such as 2-3 in above pattern, with a color darker than the first. These opposite treadlings in two contrasting colors make a smart design. The Monk's Belt pattern treadled 1&2, 3&4 is especially good for a belt of this type.

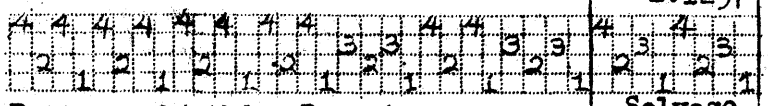
Repeat a wide section of B followed by a narrow section of C for desired width; then finish with tabby on other edge.

MAKING BELT: If belt is all in one piece, simply sew to buckle, or tie fringe. For belt in two pieces to be attached, do as follows: Set warp 1" wider than final length, allowing for shrinkage, i.e. a half belt 16", should be set on loom 17" in reed. Separate 2 last threads at each side from warp, leaving a 1" space, D. Weave around these every 4th row, to make loops of weft, E, for ties. Weave both halves alike, then attach by slipping loops through one another, as at F. Lace ends with a cord made of the heavy weft, as at G.



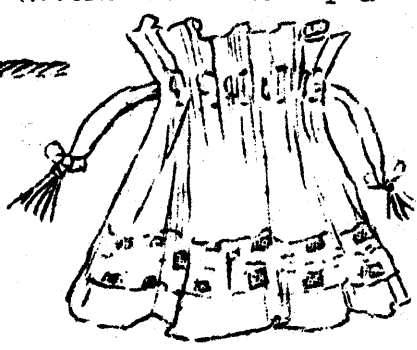
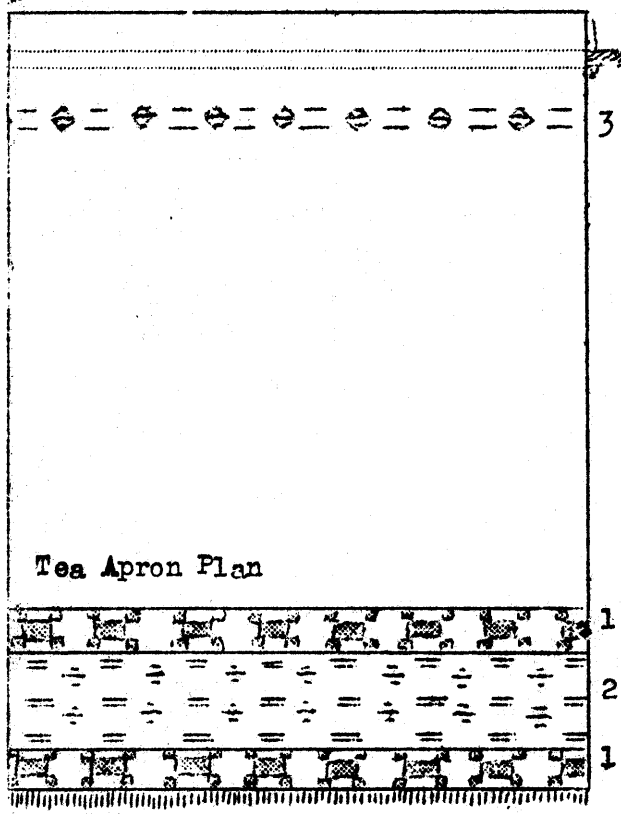
**DAINTY SUMMER & WINTER BORDER
FOR SUN CURTAINS, TEA APRONS OR BAGS.**

L.1257

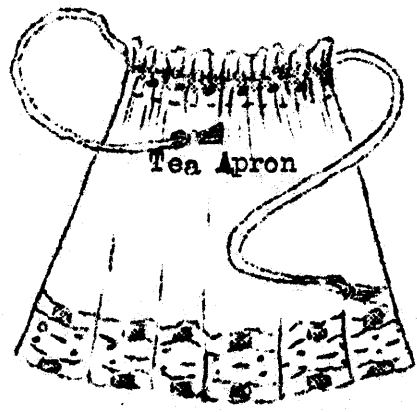


Pattern -28 thds. Repeat.

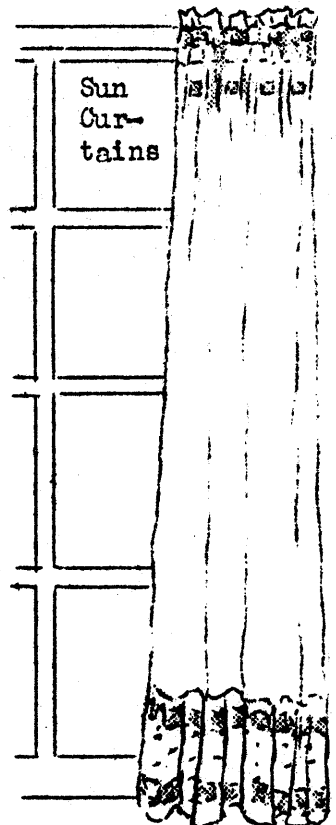
Selvage



Soft Bag



Tea Apron



Sun Curtains

From the Potomac Craftsmen, of Washington, D.C. comes this pattern with dainty Summer and Winter motif repeated in a border. The pattern is well knit into the texture, Summer-and-Winter-fashion, making a durable fabric adaptable to dainty wearing apparel as well as household use. The apron was loaned by Mrs. Dorothy Miller.

THE APRON

Length finished: 22 inches
Width on loom: 20 inches

Fold top edge over to make a heading for shirring with cord.
Just below place for shirring, weave a narrow border.

THE SOFT BAG

Length finished: 12 in.
Width open: 20 inches

Use same border as for apron. Weave 12" then another 12", to make double. Weave a narrow top border.

THE DRAPE

Length: As desired.
Width: 22" or wider.

For a wider border at base, weave two borders like 1,2,1, with 1/2" red tabby between.

WARP PLAN: Warp: 20/2 or Perle 20, Colored.

Pattern Weft: Perle 5 or 6-strand.
Tabby Weft: Like warp.
Threads per inch: 30 or 32

THREADING PLAN:

Selvage: Makes tabby. Repeat as needed.
Pattern: 28 threads. " " "
Selvage: Make same selvage at left.

WEAVING PLAN: As in all Summer & Winter

patterns, on 4-harness looms, there are two blocks which alternate in the weaving, named A and B below.

WEAVING PLAN OF APRON: See sketch.

All of section I is set off with white tabby. All other tabby is same color as warp. (Red warp and tabby here)

BLOCK A: Weave with pattern & tabby thds.

1-3,	Pattern thd.	1-2,	Tabby thd.
2-3,	" "	3-4,	" "
2-3,	" "	1-2,	" "
1-3,	" "	3-4,	" "

BLOCK B: 1-4, Pattern, 1-2, Tabby.

2-4,	" "	3-4,	" "
2-4,	" "	1-2,	" "
1-4,	" "	3-4,	" "

SECTION 1. (White tabby)

Block A, lt. blue pat.
" B, dk. blue pat.
" A, 4 times, with navy pattern.
" B, dk. blue pat.
" A, lt. blue pat.

SECTION 2. (Red tabby)

Weave 1/4" red tab; then 1-3, Gold; then

SEC. 2, Cont.

1/8" red tabby; then Block B in black pat; 1/8" red tab; 1-3 in gold; 1/4" red tab. Rep. Sec. 2, 3 times.

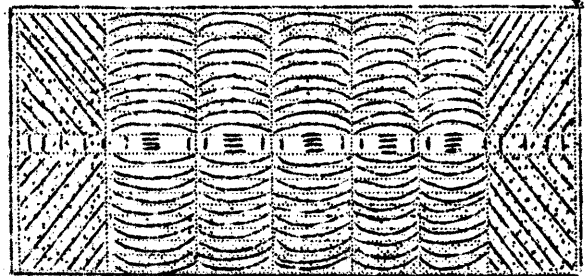
SECTION 3:

1-3, Gold pat; 1/2" red tab; Bl. B, once.

Smart purses in tones of a color, woven in a close durable texture, are always satisfying to the user, and sell well to the customer. This purse idea is a happy find, wrought in our own studio. Two shades of a color warp are used, and the point of change between shades is carried out in a change of design at the same point, see sketch below. Patterns with from 20 to 40 threads in one repeat may be used successfully, and both the Honeysuckle and Diamond work unusually well. For both patterns see Leaflet 809.

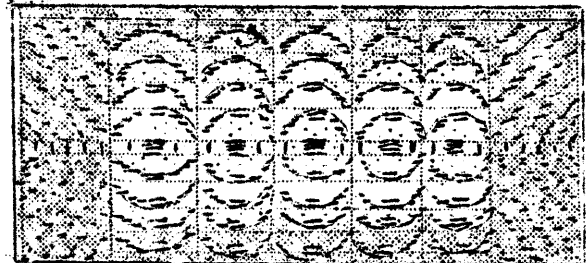
MATERIALS: Use carpet warp in two shades,-- such as light and dark green, light and dark blue, brown and gold, etc. If two shades of tan are used, or ivory & beige, the shadowed effect will result and many different colored purses made on same warp.

PLAN No.1.



The weft is Lily's Stranded Filler at .30 per 100-yd. skein, in many lovely colors. Other shades may be used from their Rug-Weave yarn, .25 per skein, about same weight. Use several shades of a color.

PLAN No.2.



WARP PLAN: Warp: 8/4 Carpet Warp
 Weft: Tufting Cotton etc.
 Thds. per inch: 15
 Width: 11 1/2 inches.
 Total Threads: 170

THREADING PLAN: Use two colors: Warp
 30 threads dark tone, then
 150 threads light tone, then
 30 threads dark tone.
 The 30 threads dark color at each side are threaded to the border.

WEAVING PLAN NO.1. (Without Tabby)

Choose 4 colors or shades of colors.
 Thread: Hs. 4&1, once.
 Hs. 1&2, "
 Hs. 2&3, "
 Hs. 3&4, "

Repeat these 4 rows, 4 times, (16) with darkest shade.
 Repeat the above with 3rd shade.
 " " " " 2nd shade.
 " " " " 1st shade.

THE HONEYSUCKLE PATTERN ADAPTED TO PURSE:
 See draft below, and follow threading:
 Thread Border: A to B, 10
 Start pattern.
 Repeat entire pattern, B to D, 5x - 130
 Use pattern from B to C, arrow only, up to arrow - - - - 20
 Left Selv ge. D to E, - - 10
 Total Threads - - - 170

Center: One row Tabby, follow with:
 4 rows 4&1, Darkest shade, using a Tabby row after each.
 Discard tabby after binding last row of 4&1. Then weave:
 Reverse all starting with 1st shade. and trs. 3&4, etc.

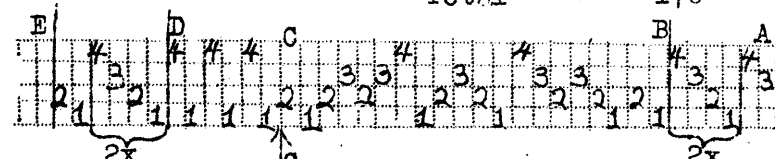
The threads of the dark color in border, 30 in all, will have been threaded at the center of the first complete repeat, B-D. This brings the point of the diamond in the pattern to the change of color, which accents it, and makes it most effective.

WEAVING PLAN: No.2. (With Tabby.)

Choose three or four shades of a color such as dark brown, tan, beige, ivory; or: black, navy, middle blue, lt. blue or four shades of colors that blend: such as: Brown, Green, Henna, Cream.

In the Diamond pattern of Leaflet 809,
 Thread: Selvage, Make Twill Selvage, - - 18
 Pattern, B to C, 5x - - - - 130
 Add C to D - - - - - 3
 Left Selvage, Add threads to make Twill Selvage - - - 19
 Total - - - - 170

Weave Tabby 1 inch with Carpet Warp. The Treadle: Harnesses 4&1, 2x, Darkest Color
 1-2, 2 times, " "
 2-3, 2 times, " "
 3-4, 2 times, " "



Repeat above 8 rows, with 3rd shade, then 2nd shade, then 1st shade.
 Center: 4-1, 4 times, Darkest shade.
 Then: Hs. 3&4, 2 x, 1st shade,
 2&3, 2 times, 2nd shade.
 1&2, 2 times, 3rd shade.
 4&1, 2 times, 4th darkest shade
 Add 2 rows Tabby with the Carpet warp. Weave back like this first side.

Note: For wider widths, add one more repeat B-D.

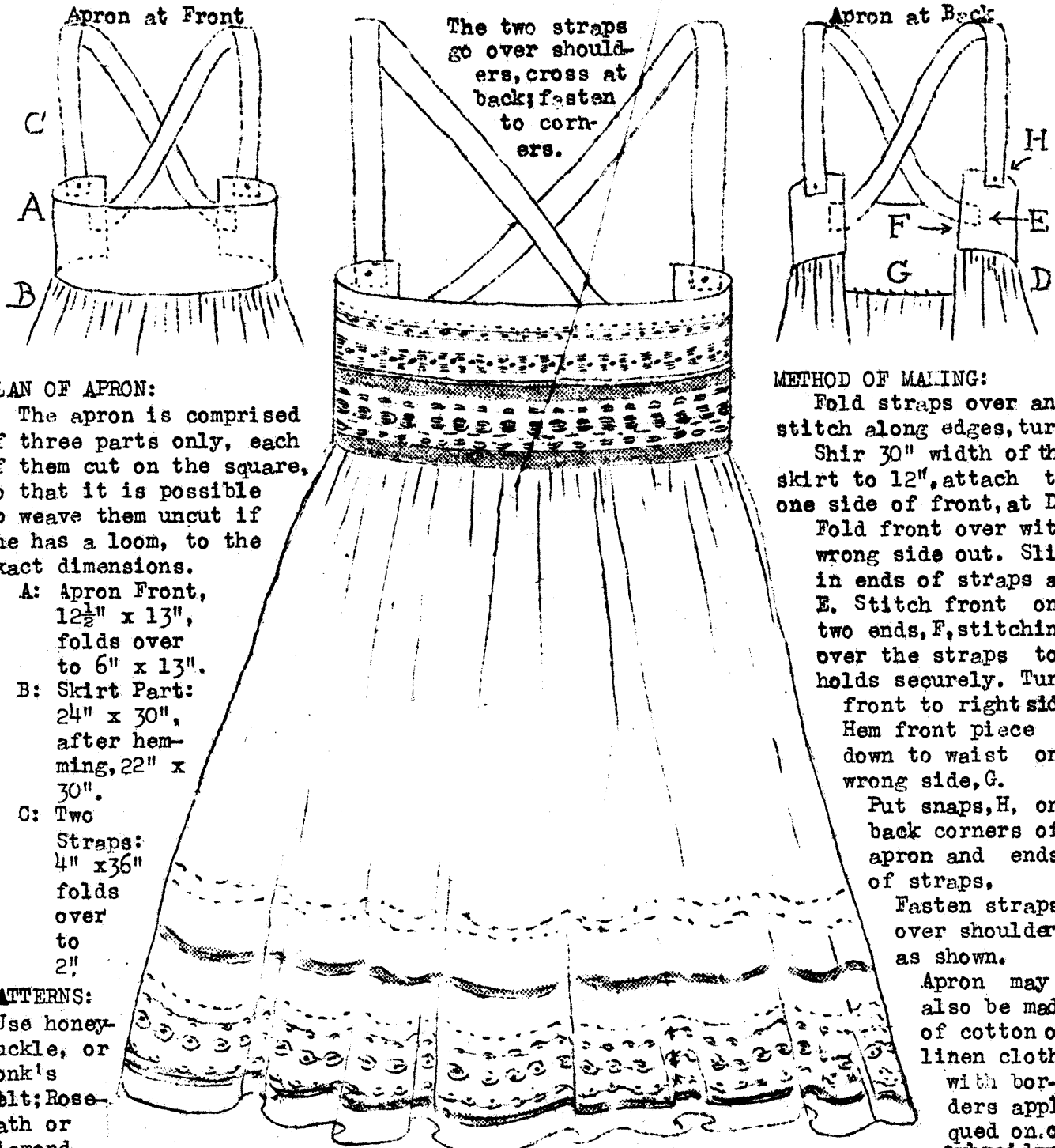
or Cotton with Appliqued Panels.

Many requests have been received for more apron ideas. It is a fact that any craftsman or craftswoman not only enjoys making a protector for working hours, but if he or she produces an attractive model, it is possible to make a paying business with apron sales alone. Everyone needs an apron of some kind,

The handweaver has a particular advantage, for the handwoven fabric is unusually appealing, and linen especially launders well and irons into crisp loveliness. Soft mercerized cotton works up beautifully.

Gay borders and bands may easily be woven to shape. The peasant aprons of the continent may serve as inspiration for many a quaint effect.

Here in the studio we like to wear the handwoven aprons or smocks, and the bright colors of the borders add cheer to the appearance of the room. In any craft industry where young folks are employed, it is practical to have aprons for them to wear, of similar design and possibly different border effects. Weavers may find markets for aprons in restaurants or art shops.



PLAN OF APRON:

The apron is comprised of three parts only, each of them cut on the square, so that it is possible to weave them uncut if one has a loom, to the exact dimensions.

- A: Apron Front, 12½" x 13", folds over to 6" x 13".
- B: Skirt Part: 24" x 30", after hemming, 22" x 30".
- C: Two Straps: 4" x 36" folds over to 2".

PATTERNS:

Use honey-suckle, or Monk's Belt; Rose-path or Diamond.

METHOD OF MAKING:

Fold straps over and stitch along edges, turn. Shir 30" width of the skirt to 12", attach to one side of front, at D. Fold front over with wrong side out. Slip in ends of straps at E. Stitch front on two ends, F, stitching over the straps to hold securely. Turn front to right side. Hem front piece down to waist on wrong side, G. Put snaps, H, on back corners of apron and ends of straps. Fasten straps over shoulders as shown. Apron may also be made of cotton or linen cloth with borders appliqued on or embroidered.

TABLE LINENS etc.

Dollies

Wapkins

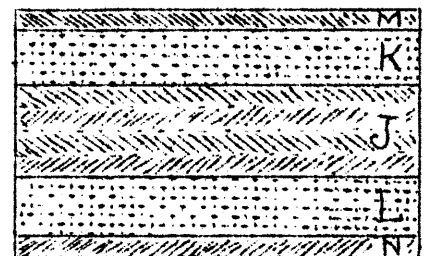
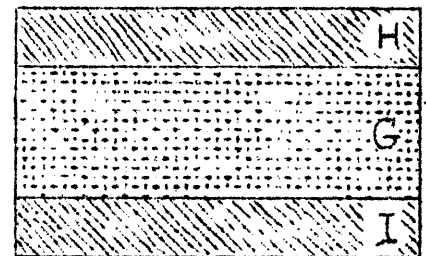
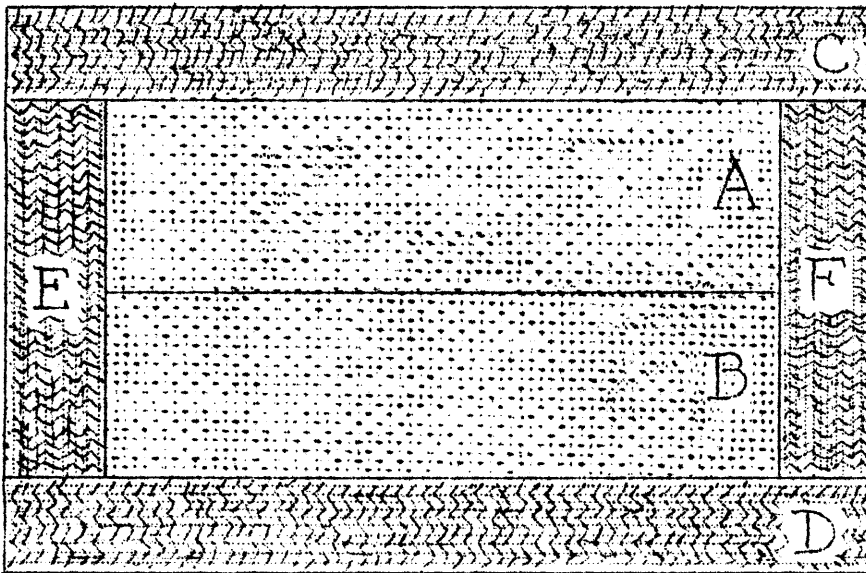
We have done a good deal in our studio with the sale of large tablecloths made from narrow strips of cloth woven on small looms. The idea came when a hotel down in South America ordered a tablecloth to measure 5 x 7 yds. Since we use mostly the narrow looms for luncheon sets, the design suggested was in strips such as we could manage nicely. By attaching a strip of design to a strip of tabby, the stitching is not noticeable, for the change of texture covers it entirely. We therefor planned strips of cellophane against strips of raytone, and the effect was very lovely.

In consequent orders, we noticed that the design always called for a strip of cellophane running down the center of the cloth. Upon our inquiry we found that the tablecloths were used for wedding banquets and that after the banquet a dancer was employed to dance down the length of the table in bare feet, - and the cellophane strip was really her mirrored guide.

Below are given three designs practical for any weaver to make on a small loom. The same idea may be carried out for blankets or drapes. All of the plans may be carried out on a 22" or 24" loom. The threading should be herringbone, (4,3,2,1,4,3,2,1,2,3,4,1,2,3, and repeat) or straight twill, (4,3,2,1 and repeat).

WASHING CELLOPHANE OR OTHER SYNTHETIC MATERIALS

Cellophane and raytone wash beautifully, but they must not be allowed to stand in their own dampness. Let partially dry, hanging smooth, not wrinkled; then press under a damp cloth until dry. Do NOT roll in a damp towel or allow to remain damp several hours. Cellophane is durable and washable, but its enemy is continued dampness.



TABLECLOTH X: (2 yds. x 3 yds.)
 Sections A,B: Raytone or linen: each 21" x 78"
 C,D: Cellophane, two sections, each 15" x 108"
 E,F: Cellophane, two sections, each 15" x 42"

TABLECLOTH Y:(54" x 2 1/2 yds.)
 Sections, H, I: Cellophane, each 16 1/2" x 2 1/2 yds.
 Center Strip, G: Raytone or linen 21" x 2 1/2 yds.

TABLECLOTH Z: (54" x 2 1/2 yds.)
 Center, J: Cellophane, 18" x 2 1/2 yds.
 K, L: Raytone or Linen, each 14" x 2 1/2 yds.
 M, N: Cellophane, each, 4" x 2 1/2 yds.

The cellophane sections stand out as design work against the neutral colored linen or raytone. Weave them as twill or herringbone, and weave the other sections as tabby for best effects.

Note: Spools of cellophane are available at Creative Crafts, . 2 for \$.25.
 Specify gold or silver cellophane. One bobbin weaves 24 sq. inches.

Nothing is lovelier for a dressy-looking luncheon set than a texture of very heavy linen with a simple design that does not take the interest from the beauty of the woven surface. For doilies and sets that have been good sellers, we have used a warp of Hughes Fawcett's 18/2 linen set at 16 threads per inch. For weft we have used the same thread as the linen, or various novelty threads of the same size, such as Raytone, or Cellophane wound with linen. Simple borders of Twill design are effective against a main doily of tabby weave. The above setting may also be used on a two-harness loom, and borders may be put in with a contrasting thread.

A good linen substitute for warp is Lily's 10/4 or the 12/4. Both of these strong beautiful threads come in white, ecru, cream, beige and ivory. Weave with the same thread or with the Raytone, Linen 18/2, or the cellophane wound with linen.

SUITABLE THREADINGS	TWILL	ROSE PATH	DORNICK	HERRINGBONE
	4 2 4 1	4 2 4 1	4 2 4 1	4 2 4 1
	3 3 3 1	3 3 3 1	3 3 3 1	3 3 3 1
	2 2 2 1	2 2 2 1	2 2 2 1	2 2 2 1
	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1

WARP PLAN Doiley, 12"x18"

- Warp: 18/2 linen or 10/4 or 12/4 cotton.
- Weft: Same as warp or Raytone or Cellophane
- Threads per inch: 16
- Width in Reed: 13"
- Total No. of Thds: 208
- Napkin to Match: Width: 17" (Weaves down to 16") Total Thds: 272

THREADING PLAN: Repeat any of above threadings.

WEAVING PLANS:

PLAN 1.

- Hem: Weave 1/2" with finer weft, such as 18/2 or 24/3.
- End, a: 1 1/2" Tabby. Turn first 1/4" of this back for hem, with finer weaving in hem-part turned way under.
- Border, b: 1 Row Texture Nubs, or Tabby with mubby thread. 2" glossy thread. 1 Row Texture.
- Center, c: 13" Tabby.
- Total length of doiley: 20"

- NAPKIN:** 1/2" tabby with fine thd. End, a: 1" Tabby. Border, b: 1 1/2" glossy thd. with texture rows. Center: 13" Tabby. Total length of napkin: 18"

PLAN 2.

- Weave doiley so that weft will go along its length, on the napkin warp, or a warp set 19" wide, (weaves down to 18")

PLAN 2, Continued

- Hem: 1/2" with fine weft.
- End, a, form of border: 4" Twill with glossy thread.
- Center, b: 5" Tabby. Total length: 13"
- NAPKIN:** (17" width) Hem: 1/2" fine. End, a: 4" Twill Glossy Center, b: 10" Tabby Total length: 13"

PLAN 3

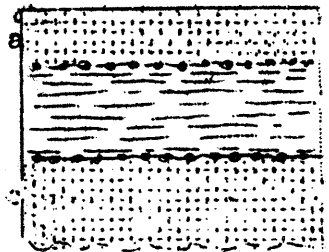
- Hem: 1/2" fine thread
- End, a, border: 5" Twill Center, b: 10" Tabby. Total length: 20"
- NAPKIN:** (17" width) Hem: 1/2" fine thread End, a, border: 5" Twill Center, b: 8" Tabby Total length: 18"

PLAN 4

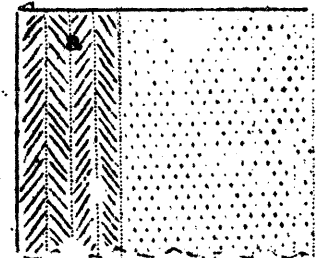
- Hem: 1/2" fine thread
- End, a: 1 3/4" Tabby
- Border, b: 2" Twill Center, c: 12 1/2" Total length: 20"
- NAPKIN:** (17" width) Hem: 1/2" fine thread End, a: 1 1/2" Tabby Border, b: 1" Twill Center, c: 13 1/2" Total length: 18"

Many borders in effective proportions may be planned. Hem all fine thread parts completely underneath.

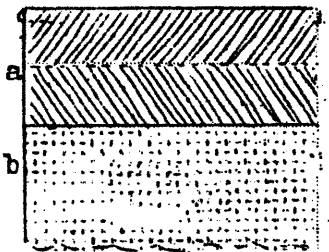
PLAN 1.



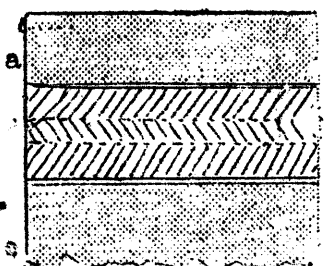
PLAN 2.



PLAN 3.



PLAN 4.



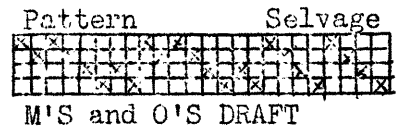
The charm of this doily of Swedish design lies not only in the arrangement of pattern and color, but also in its delightful texture. Both warp and weft are of linen, the weft of a heavy glossy grade, giving weight and quality to the effect. Backgrounds of tan and white are combined pleasantly.

WARP PLAN

Threads per in., 40
Could be 35 or 36)
Width in sley: 11 1/2
Total No. Thds: 464
Warp: 40/2 or 50/2 gray
and white linen.
Weft: Linen Floss.

THREADING PLAN

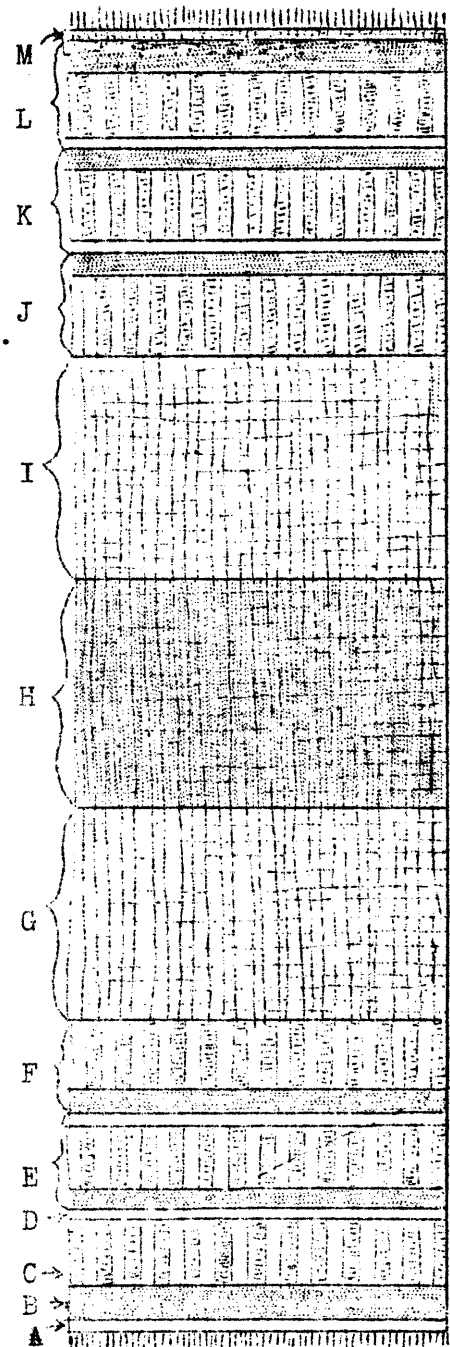
Selvage: ecru linen--8
Tan Border, ecru "
Rep. Pattern 9x--- 72
Center, white linen,
Rep. Pattern 38x---304
Tan Border, ecru,
Rep. Pattern 9x--- 72
Selvage: ecru linen--8
Total----- 464



WEAVING DRAFT

Follow lettering on diagram at right.

- A. Tabby, 1/4" wide, fine white weft, Tr. 1&3, 2&4.
- B. Brown Section, brown floss, no tabby,
width of section 1/2", ----- Tr. 1&2, 3&4 Rep.
- C. Brown floss with tabby, width, 1", Brown, 1&2
White, - 1&3
Keep on repeating for 1". Brown, 1&2
White, - 2&4
- D. Narrow white band, 1/8" ---- White Floss, 3&4
White Tabby, ---- 1&3
Repeat for 1/8", White Floss, 3&4
about 8 shots. White Tabby, ---- 2&4
- E. Same as sections B, C and D, above, substituting red floss for brown floss.
- F. Same as sections B and C above, substituting yellow floss for brown floss. (Leave out D)
- G. A checked section using white floss for pattern, white tabby. ----- White Floss, 3&4 (1)
White Tabby, 1&3
This checked section is in White Floss, 3&4 (2)
the form of small white White Tabby, 2&4
squares, three floss thds. White Floss, 3&4 (3)
for each square. Keep on White Tabby, 1&3
repeating the two squares White Floss, 1&2 (1)
given here at the right: White Tabby, 2&4
they form alternate White Floss, 1&2 (2)
squares. Repeat for entire White Tabby, 1&3
section, 2 1/2" wide. White Floss, 1&2 (3)
White Tabby, 2&4
- H. A checked section of same size and pattern as G, but use ecru linen floss instead of white floss. Tabby, fine white.
- I. Same as G, all white.
- J. Same as F.
- K. Same as E.
- L. Same as D, C, B above.
- M. Same as A above.

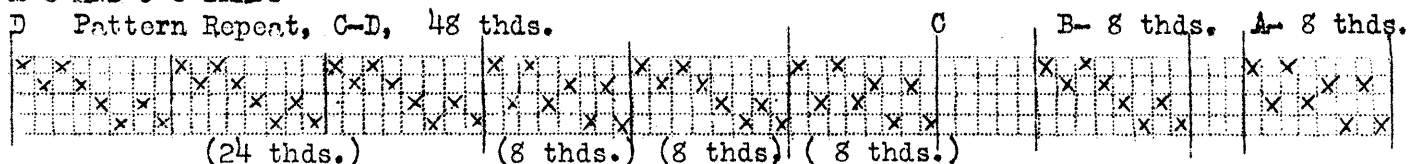


The M's and O's Weave is a traditional Colonial Pattern used for linens. The pattern is also employed in Scandinavia woven in heavy effects. It consists of two sets or pairs of blocks. The first pair is composed of the 1&3 block alternating with the 2&4 block, as shown in sketch A; the second pair is composed of the 1&2 block alternating with the 3&4 block, as shown in sketch B. You will note that when one combination, such as the 1&3, has four threads, its opposite, 2&4, will also have four threads. Units of four threads are the most usual, but units of two threads may be used, such as 1&3, 2&4, or again 1&2, 3&4.

The design of any M's and O's pattern is given by using varying proportions of block repeats. For instance in the present pattern, the 1&3 and 2&4 blocks form a unit of 8 thds; this is followed by 8 thds. of 1&2 and 3&4; this is followed by 8 thds. of 1&3 and 2&4; and finally we have 24 thds. of 1&2 and 3&4. This 24 thds. forms a large block with the 3 small blocks of 8 thds. each forming a scalloped border around it, wove or on either side of it, in the draft.

The pattern given here was brought to our school by Ruth Cross, and in turn given her by Mrs. Thompson of Muskegon, Michigan, whose grandmother used the pattern in home-spun linen weaving in Virginia. To weave it, take each block in succession as given on the draft, and put in as many weft threads as the pattern shows warp threads for the block being woven. For instance, 8 thds. of weft for the first unit, 1&3, 2&4; then 8 thds. of weft for the next unit of 8 thds, 1&2, 3&4., etc. Variations in the weaving plan may be carried out by forming long columns of either block, - 1&2 and 3&4 repeated or several inches, etc. If two colors are desired, use one color for one set of blocks and another for the other set. There is no regular tabby, but by weaving the 2&3 and the 4&1 in alternation, a close all-over weave results, useful for hemming borders.

M'S AND O'S DRAFT



WARP PLAN:

Warp: Linen 20/1 (or Cotton 20/2)
Weft: Linen 20/1 white or gray, or
16/1 in pastel colors.
Thds. per inch: 36, 2 per dent in 18-dent,
or 32, 2 per dent in 16-dent.
Width in sley: 14" (or as wide as desired)
Total No. Thds, at 36 per in. 504.

FINE TEXTURE:

For very fine texture, set 40/2
linen at 36 to 40 per inch; or 50/2
at 40 to 48 per inch. Weave with
same thread as warp.

THREADING PLAN:

Repeat pattern C to D, 10 times, - - - 480
finish with first 24 thds. - - - 24
Total 504

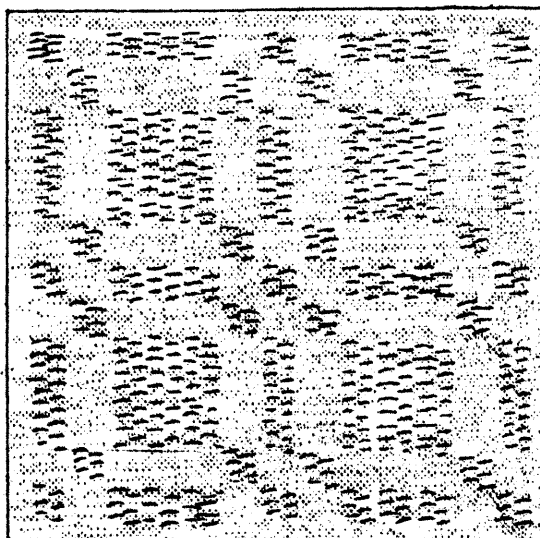
WEAVING PLAN:

For tabby section at ends, weave 4&1,
then 2&3 for 1/2" to 1". This makes a firm
cloth resembling tabby,

PATTERN:

- 1&3, 2&4, repeat 4 times, 8 shots,
- 1&2, 3&4, repeat 4 times, 8 shots,
- 1&3, 2&4, repeat 4 times, 8 shots..
- 1&2, 3&4, repeat 12 times, 24 shots.
- Repeat all.

Appearance of M's and O's woven.



Texture is all-important these days, and nothing is lovelier than cellophane for that bright pretty modern touch. We may not be able to get all the thread we want of a certain kind, but with a little planning we can produce exquisite styles from what we have on hand. Use left-over cottons or linens for luncheon sets, but add a touch of beautiful thread, such as raytone or cellophane, in the borders. This lifts the common place into the extraordinary. We took the simple texture of 20/2 or 24/3 cotton at 30 or 32 per inch, and crossed it in various ways to make 50 styles. The little trick of winding the cellophane with linen or cotton, as in the sample, renders the border permanently strong. To wash cellophane articles, use lukewarm suds, rinse in same temperature, dry partly, press at once under damp cloth. The results are excellent.

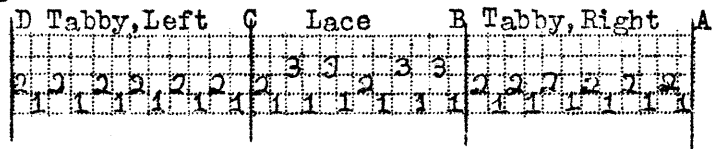
	Background: tabby in white or pastel linen, 18/1 or 20/1. Weave 3" tabby; 1" cell. border; 12" center. Pin hem at ends.		Herringbone borders. Weave: 2" colored, grey or white linen; 2" border woven as a twill or reverse twill; 12" center like ends.
	Gold and silver cellophane in double borders. Weave: 2" tabby, 1/2" gold cel; 3/8" white; 1" silver cel; 12 1/4" center.		Heavy cellophane or raytone ends. Weave: 1/2" fine weft for a hem; 4 1/2" cellophane ends; 10" center.
	Heavy texture rows in color through center. Weave: 3" tabby; 1" cel. bor; 3" tabby, 1 row heavy thd; repeat for 12" center.		All-over cellophane effect. Weave solid cel. and linen wound together; or one row cellophane followed by 3 rows white tabby.
	Wide cellophane borders. Weave: 2" tabby at ends; 2" wide cel. border; 12" center. Cel. Bor. may be tabby or twill weave.		Texture threads added to warp. Warp: 12" wide; add heavy thds. of white or colored cottons at 2" spaces. Grey lines on white, effective.
	Colored ends. Center white or colored. Weave 3" colored linen at ends; 1" cel. border; 12" center. Pin hems look best.		Warp: 2" tabby white or pastel; 1 row heavy thd; 1/2" bkgr. color; 1 row heavy. Repeat this 4 times. Add 2" bkgr. Total width 12 1/2".
	Uneven balance. Use wide solid cel. border. Weave: 1/2" fine linen for pin hem; 9" wide bor; 6 1/2" plain tab; 1" cel. bor; 3" end.		Napkins may measure 12"x12", 14"x14" or 15"x15". Weave: 1 1/2" at end; 1/2" cell. border. Center as desired.

Gold and silver cellophane are available at \$3.00 per 1/2 lb. tube. This is fine, has an extensive yardage, would last for years. Keep in a dry place. See weight of thd. in sample. Spools of cell. & linen, ready wound, -2 for \$.25; weaves 4 1" wide borders.

This attractive design for place mats of heavy texture provides a distinctive touch for the table of polished soft-toned woods, for the wood shows through the mesh-work and the design of the doily is simple and effective. The idea of the doilies is simply to make tabby outlining a center of lace, or to have the lace outline a center of tabby. The lace is in the Bronson Weave, and most effective in soft tones of white or cream. Choose a good thread, such as linen floss or perle 3 for warp and weft.

WARP PLAN: Warp: Perle 3, (Lily) or 6-strand
FOR PLAN I. Floss, or 20/6 Cotton(Lily)
AND PLAN II. or Linen 18/2 or 20/2 or
 12/1, (Fawcett).

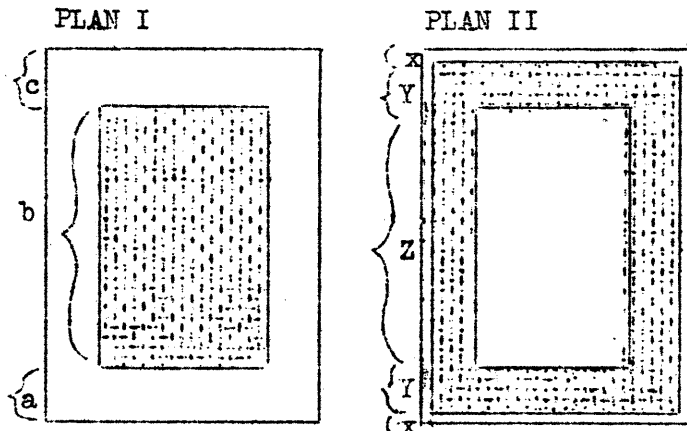
DRAFT FOR PLAN I.



Weft: Like Warp or same weight.
 Threads per inch: 15 or 16.
 Width: 13" if set at 16 per inch.
 14" " " " 15 " "
 Total No. of Threads: 216.

THREADING PLAN I. (With Lace Center)
 A-B, Border, Tabby, 12 thds. 3 times - 36
 B-C, Lace Part, 12 thds. Rep. 12 " - 144
 C-D, Left Border, Tabby, 12 thds. 3 " - 36
 Total 216

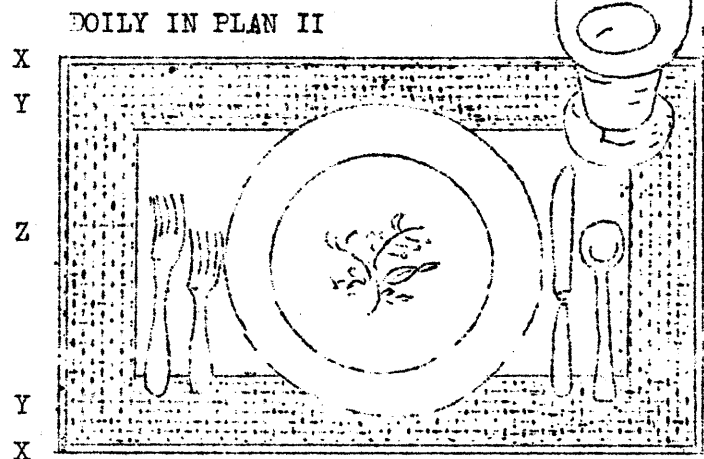
WEAVING PLAN I. (With Lace Center)
TABBY: Treadle 1 alone; Treadle 2&3
 (a, c) together. Repeat these 2 rows.
LACE: Treadle 1&3 together, then 2&3
 (b) " " " " "
 " 1 alone, then 2&3 together
 Keep repeating these 6 rows.



PLAN II. For complete lace around border, a more detailed threading is needed, as given here.

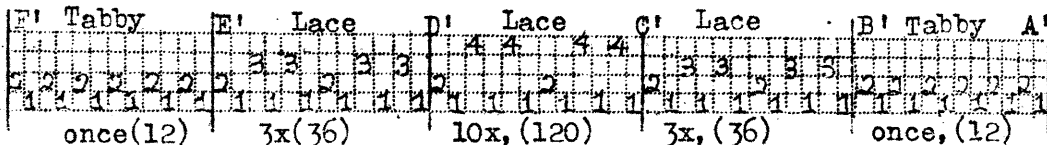
THREADING PLAN II
 A'-B', once - 12
 B'-C', 3x - 36
 C'-D', 10x - 120
 D'-E', 3x - 36
 E'-F', once - 12
 Total - 216

Note: For both Plan I and Plan II, weave with one thread only; it serves for tabby and lace.



WEAVING PLAN II DRAFT FOR PLAN II.

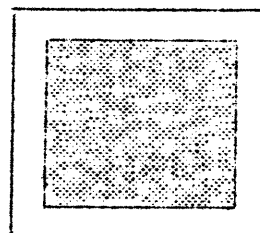
TABBY: Section X:
 Tr. 1 alone, then 2&3&4 together.
 Repeat.



LACE ACROSS ENDS, Y:
 Tr. 1&3&4 together
 " 2&3&4 "
 " 1&3&4 "
 " 2&3&4 "
 " 1 alone.
 " 2&3&4 together
 Repeat these 6 rows as far as desired.
 This weaves lace all across ends.

LACE AT SIDES ONLY: Z:
 Tr. 1&3 together
 " 2&3&4 together
 " 1&3 "
 " 2&3&4 "
 " 1 alone
 " 2&3&4 together
 Repeat for center strip marked Z

TABLE SQUARE IN PLAN I



WHEAT STITCH for Linens, Upholstery, and Dress Materials Leaflet 1696

This simple but effective little stitch is what is known as a one-thread weave. Only a single weft thread is used, and this makes an all-over texture design, instead of the overshot effect where separate pattern thread is used with accompanying tabby. The design weft does make skips over 2 or 3 warp threads, but no more, and therefore it is bound closely enough by the warp to omit a tabby. The design weft uses various successions of the 6 treadlings, - 1-2, 2-3, 3-4, 4-1, 1-3, and 2-4 to obtain texture variations. This type weave is of the same nature as Twill, Herringbone, etc.

Wheat Stitch makes beautiful toweling. Because of its close durable texture, it is excellent for upholstery and table linens. With a cotton warp and cotton or linen weft it is suitable for summer dress goods, and set up with wool it makes a splendid texture for suits and coats. The various treadlings work out into diagonal line groupings and angles or tiny blocks, as shown here.

FOR UPHOLSTERY:

Warp: 5/2 or 10/3 at 16 or 18 per in.
 Weft: Same as warp or Perle 5 or Tulip 6-strand. (Lily's) or Bernat's 5/2; or Medium Wool.

TIE-UP

DRAFT ←

H. 4		4	4	4	4	4	4
" 3	3	3		3		3	
" 2	2	2			2		2
" 1	1		1	1		1	

FOR FINE TOWELING:

Warp: 24/3 or 20/3 at 30 per in. or 20/2 at 32 to 36 per in.
 Weft: Same as warp; or Perle 20; or Hughes Fawcett's white or pastel 18/1 weft linen or ramie.

Treadles

↑	↑	↑	↑	↑	↑
1	2	3	4	5	6

Repeat all.

FOR SUMMER DRESS GOODS:

Warp: 16/3; 16/4; 20/4; or 10/2; at 20 to 24 per in.
 Weft: Same as warp or 6-strand.

FOR WINTER SUIT MATERIAL

Warp: Med. Honespun at 16
 Weft: Same as warp.
COTTON SUBSTITUTE
 Warp: Tulip 6-strand; or 5/2 or 10/3 cotton.
 Weft: Like warp; or wool.

TREADLING DIRECTIONS: (See above tie-up. Tr. 1 means harnesses 1&2, etc.)

EFFECT AT A.

Tr. 1 (1&2) once
 " 2 (2&3) "
 " 3 (3&4) "
 " 4 (4&1) "
 Repeat all.

EFFECT AT D.

Tr. 4 once
 " 3 "
 " 2 "
 " 1 "
 " 4 "
 " 6 "
 Tr. 2 "
 " 3 "
 " 4 "
 " 1 "
 " 2 "
 " 5 "

EFFECT AT E.

Tr. 4 once
 " 3 "
 " 2 "
 " 5 "
 " 4 "
 " 1 "
 " 2 "
 " 3 "
 " 4 "
 " 6 "
 " 2 "
 " 1 "

EFFECT AT B.

Tr. 1 once
 " 2 "
 " 1 "
 " 4 "
 Repeat all

EFFECT AT C.

Tr. 4 once only
 " 2 " "
 " 4 " "
 Tr. 2 twice (2x)
 " 4 "
 " 2 "
 Repeat all.

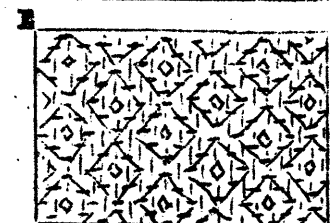
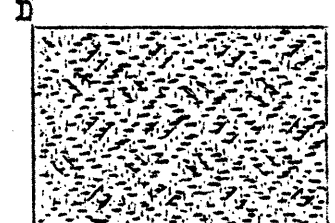
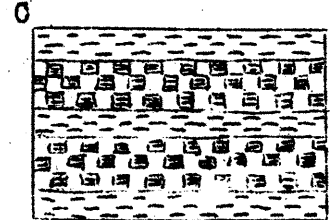
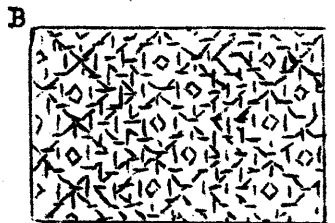
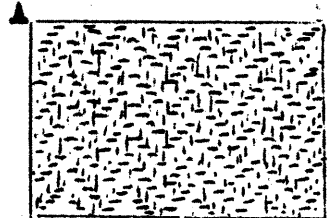
Repeat all.

(For variations, repeat either group alone.)

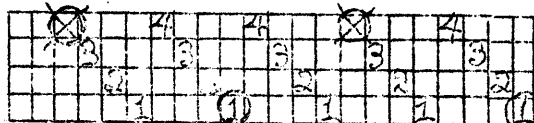
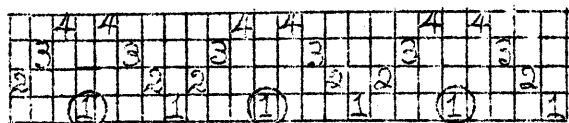
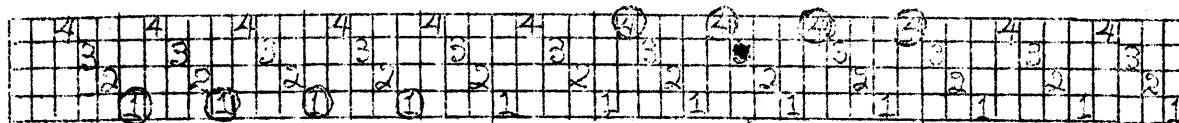
Repeat all.

(The weaver may repeat part only of above.)

Further variations may be thought out by the weaver.



These twill patterns have texture threads added at intervals. This rhythmic recurrence of texture accent can produce quite an interesting effect out of the very simplest of threadings. These changes in surface texture prove useful for drapes and upholstery; they add interest to table linens; and they also produce unique effects when adapted to woolen wearing apparel.



HEAVY TEXTURE WARP

Warp: Cotton 8/4; or Crochet Cotton; or Linen 18/2.
 Thds. per in: 16 or 18.
 Texture Thds: Perle 3; or Tufting Cotton; or Boucle'.
 Weft: Same as warp or added interest through varieties of texture.

MEDIUM WEIGHT TEXTURE WARP

Warp: Cotton 16/3; or Perle 10/2; or Cotton 20/4; or Linen 30/2.
 Thds. per in: 20 to 24.
 Texture Thds: Perle 5; or Boucle'; or Raytone; or warp doubled.
 Weft: Same as warp, or with new thds. or colors added.

WARP TEXTURE EFFECTS are possible to achieve very simply. While one can, of course, plan an elaborate warp with many changes in the texture of the threads, ranging from fine to coarse, or from smooth and shiny to dull or crinkly, -- possibly the easiest way to add the desired texture to a warp is to take a simple threading, such as Twill or Rose-path or Herringbone, and add to this, at recurring intervals, heavy threads or threads of a different color.

ADDING TEXTURE THREADS TEMPORARILY. If one desires to weave the texture effect for a limited space only, add the additional threads right on top of, and through the same heddles as the regular warp threads already there. Then attach the added thread to a weight, such as a spool, at back of loom, and let this hang down for necessary tension. When you have woven the texture the desired length, simply cut out the added thread, and proceed as formerly. If there are many of these added threads, they may be wound on a heavy spool at the back, all together.

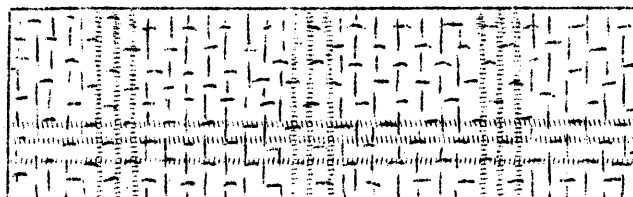
This is shown in the simple drafts given above, where the circles indicate the addition of very heavy threads to the regular warp, and the crosses may indicate changing weights or the addition of a second color. One may also use a warp of similar threads throughout, and thread these double or triple at those points where the texture is desired. Any warp may thus be converted to texture.

If one wishes the texture to continue throughout the length of the warp, warp up the heavy threads as part of the regular planned warp.

If the **WEFT** does not change, texture stripes will result in the warp only; but for effective texture **PLAIDS**, make the same changes in the weft as in the warp.

A NEW BOOK WITH NUMEROUS TWILLS

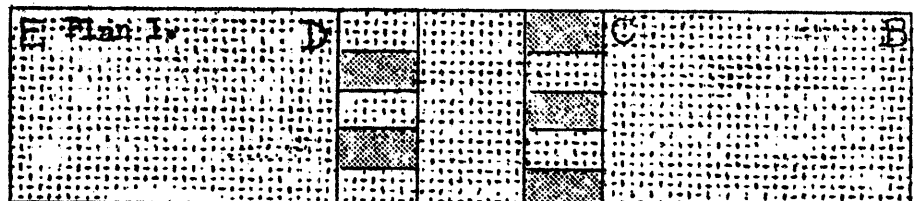
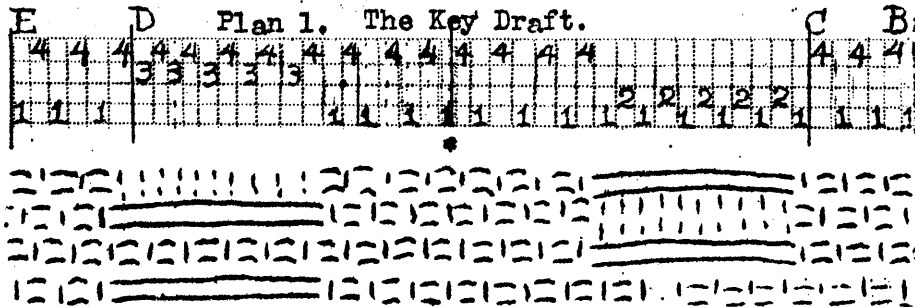
A Handweaver's Pattern Book, by Marguerite Davison, (\$6.50 at this studio) gives a large number of twills and their variations, as well as many delightful patterns for the home or school weaver.



for Doilies & Drapes

By setting a warp with a plan designed with spaced repeats, that cover the entire span of the warp from selvage to selvage, one can get striking effects in squares, oblongs or blocks that lend themselves to modern decoration. We did a number of these at our National Conference. This and two other designs came under Miss Allen's classification of "Completely Planned Mats"; but they are excellent too for drapes.

The key draft here is given from B to E, the center marked by *. At each side of the warp, B-C; D-E, the 4-1 block is repeated to make a design space 5" wide. The blocks that weave overshoot are the 1-2 and 3-4. It is possible to place these anywhere between spans of the 4-1, see Plans 1, 2, 3, 4.

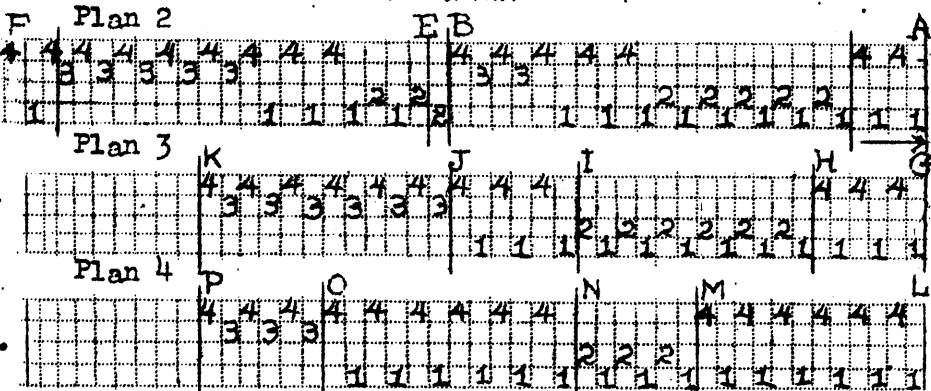


THREADING FOR PLAN 1:

- B-C, Repeat for 5 inches.
- C-D, Thread as given.
- D-E, Repeat for 5 inches.

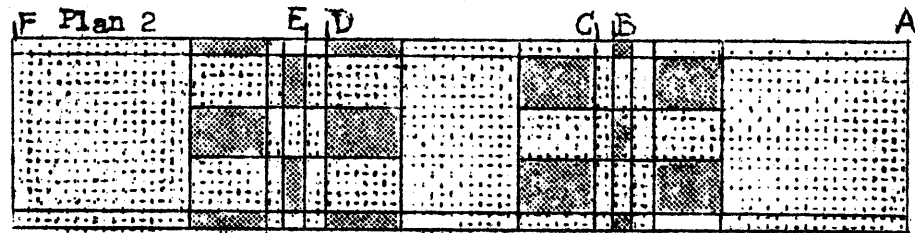
THREADING FOR PLAN 2:

- A-B, Thread as given; repeat 4-1 as desired.
- B-C, { Once only. (sired)
- C-D, { " " } From Plan 1.
- D-E, { " " } From Plan 1.
- E-F, Thread as given; repeat 4-1 as desired.



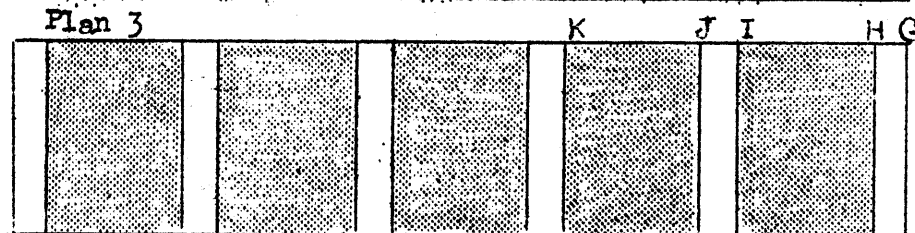
THREADING FOR PLAN 3: G to K.

- G-H, Repeat for 1/4".
- H-I, " " 1/2".
- J-K, " " 1/4".
- J-K, " " 1/2".
- Keep repeating all.



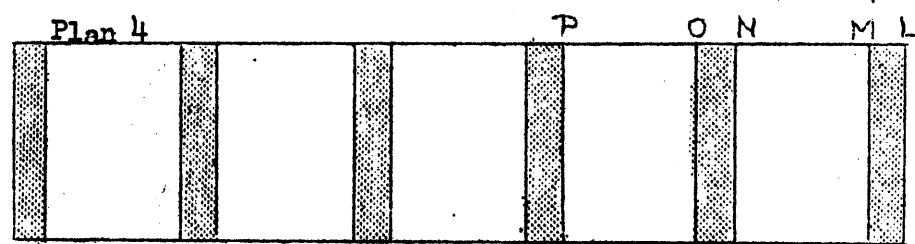
THREADING FOR PLAN 4: L to P.

- L-M, Repeat 1/2" or more.
- M-N, " for 1/4" or 1/2".
- N-O, " 1/2" or more.
- O-P, " for 1/4" or 1/2".



WEAVING PLAN FOR ALL PLANS:

- Follow each pattern row with tabby; 1&3 and 2&4.
- 1&2 Block: 1&2, Pat; 1&3, Tab; 1&2, Pat; 2&4 Tab. Repeat.
- 3&4 Block: 3&4, Pat; 1&3, Tab; 3&4, Pat; 2&4, Tab. Repeat.
- 1, 2, 3 Block: 123, Pat; 1&3, Tab; 123, Pat; 2&4, Tab. Repeat.
- 2, 3, 4 Block: 234, Pat; 1&3, Tab; 234 Pat; 2&4, Tab. Repeat.



Combine these four blocks as desired. Do not weave 4&1, 2&3.

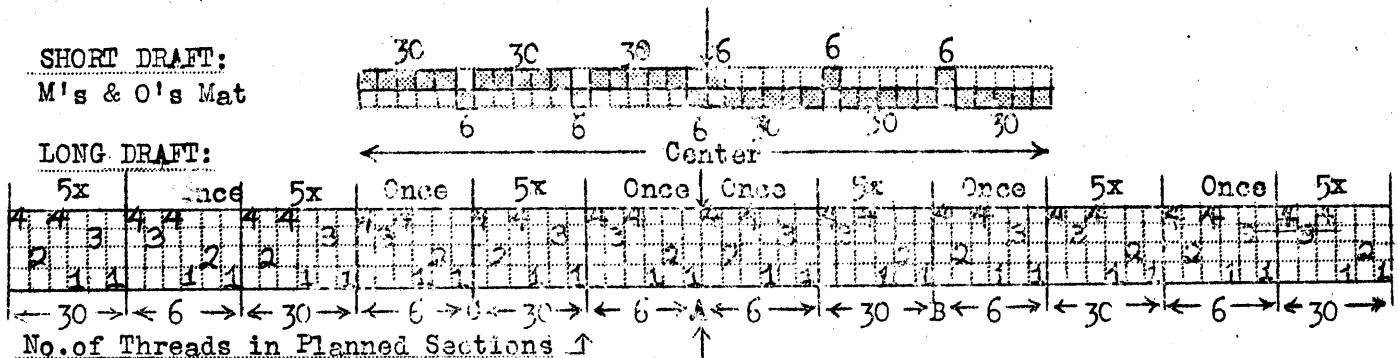
This design based on the M's and O's texture is comprised of two alternating blocks. It forms a completely planned mat with one of the blocks repeated so as to show more on the right side of the center, and the other on the left. The idea can be used for spaced runners, attractive purse designs, knitting bags with large block motifs or draperies.

Design No.1 is made by repeating the a-block so as to form its large blocks below the center, and the b-block to form its squares above the center.

Design No.2 is woven with large squares of the a-blocks alternating with b-blocks.

Design No.3 is planned to form a curtain border with the division in blocks at one side of the fabric, as at arrow.

Design No.4 is made by repeating the a-block for half of a mat, changing back and forth between a- and b-blocks at center, and repeating b-block for other half of mat.



Continue same repeat as A to C to left. — Continue same repeat as A to B to right.

WARP PLAN: Fine Material for Linen Mats.

Warp: 24/3 or 20/2 Cotton

Weft: One Thread only, Linen 20/1 or 18/1

Thds. per in. 30

Width: 13 1/4 in.

Total Thds: 396

WARP PLAN: Medium weight for Purses, Bags.

Warp: 5/2 or 16/3 Cotton, at 20 per in.

Weft: 10/1 or 20/2 Linen.

THREADING PLAN: Thread as written reading from right to left.

WEAVING PLAN: One Weft.

Alternate Block a with Block b. Repeat each as desired before changing to the other.

Block a:

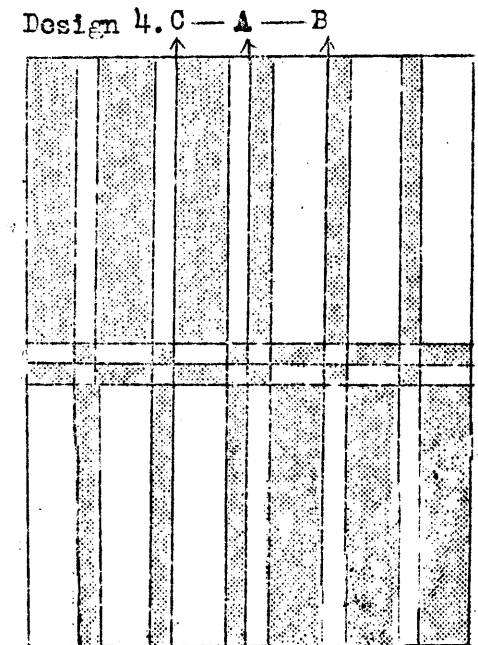
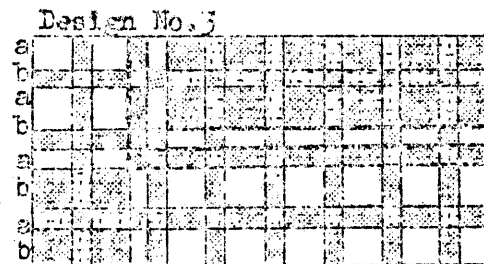
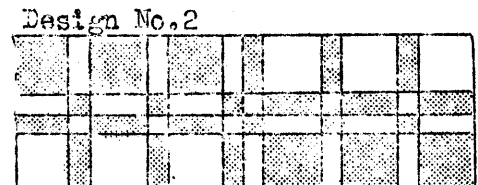
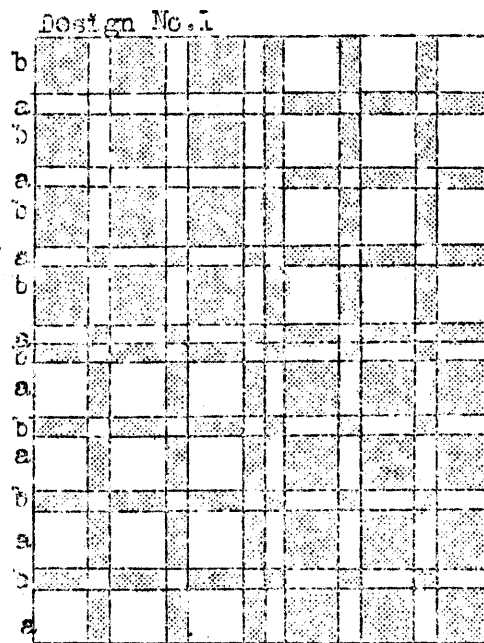
Weave 1&7, then 2&4. Repeat. This forms overshoot for Block b, but tabby for Block a.

Block b:

Weave 1&2, then 3&4. Repeat. This forms overshoot for Block a, but tabby for Block b.

THREADING DRAPES, No. 3.

Start threading with A-B repeat for most of width. Change at arrow to A-C.

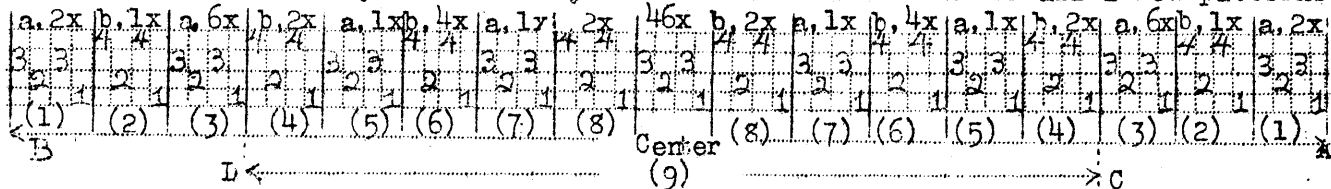


Out of any 2-row or 2-block pattern, the weaver can plan articles with borders that pass around a square or oblong design, such as a doily, rug, towel, etc. This may be done with Summer and Winter, Bronson, M's and O's, the Patch Patterns and the 2-row 8-harness patterns used so effectively for Damasks. Below are two plans for 4-harness Summer and Winter. Use for rugs, - - - 8/4 warp set at 16 per inch.

- " " doilies, - - - 10/2 " " " 24 " "
- " " curtains, - - - 20/2 " " " 30 or 32 " "
- " " towels, - - - 16/2 " " " 18 or 20 " "

In the plan given at lower right, the parts of the surrounding border are marked by the numbers in circles; and these correspond to the same parts marked with the same numbers in the draft. Seeing the effect produced one can easily change the proportions given, repeating each part more or less times.

Note that the entire pattern is composed of an alternation of the a-block, written 1,3,2,3; and the b-block, reading 1,4,2,4. No matter how many times each is repeated at any one section, it is always followed by the other. This is true of all 2-row patterns.

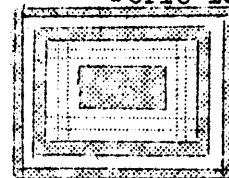


PLAN I. Follow draft as written between A and B.

Plan for a doily with border: Warp: 10/2 set at 24 per inch.
 Pattern Weft: Perle 5 or Tulip 3-strand.
 Tabby Weft: Same as Warp.
 Width: 14 inches. (Weaves down to 13") Doily in
 No. of Warp Threads: 336 Ferle 1C

PLAN II. Follow draft as written between C and D.

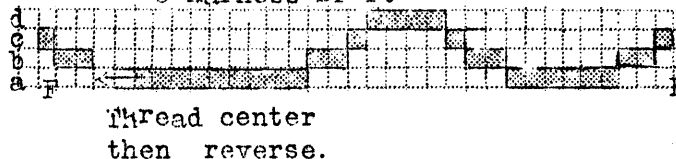
Plan for a rug with border: Warp: 8/4 set at 12 per inch.
 Pattern Weft: Rugro. Tabby: 8/4
 Width: 22"
 No. Thds: 264



PLAN III. Short draft for a 6-Harness Loom.

Follow draft between E and F.
 For row a, thread each unit, 1, 3, 2, 3
 " " b, " " " 1, 4, 2, 4
 " " c, " " " 1, 5, 2, 5
 " " d, " " " 1, 6, 2, 6

6-Harness Draft



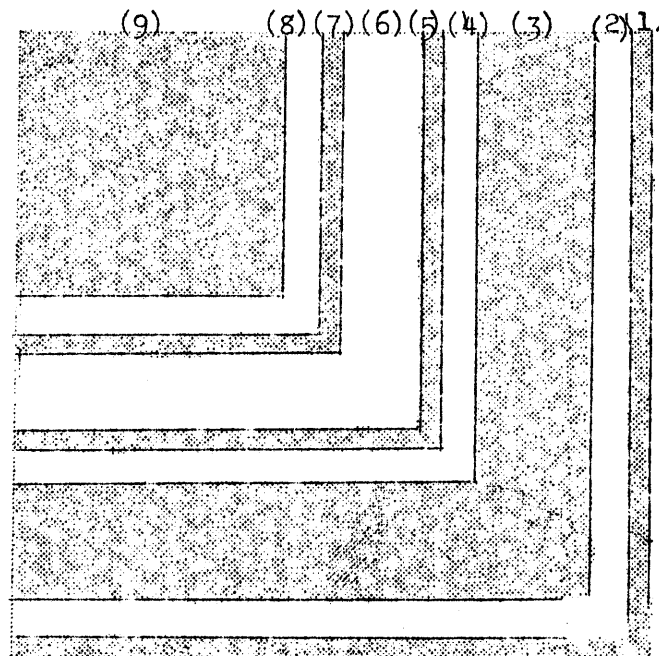
WEAVING PLANS: For Plans I and II: weave the a-block: 1&3, pat; 1&2, tabby.

(Read each line all across) →
 the a-block: 1&4, " 1&2, "
 2&4, " 3&4, "
 2&4, " 1&2, "
 2&4, " 1&2, "
 1&4, " 3&4, "

WEAVE PLAN I. Section(1): a-block once; Sec.(2) b, twice; Sec.(3) a, 6x; *Sec.(4) b, 2x; Sec.(5) a, once; Sec(6) b, 4x; Sec.(7) a, once; Sec.(8) b, 2x; Sec.(9) a, 46x, reverse from center Sec.(9), to(8) etc.

WEAVE PLAN II. Start with * at Sec.(4) continue as for Plan I through center; then reverse and finish at *.

WEAVE PLAN III. Weave as drawn in:
 Block a: 1&3, 2&3, 2&3, 1&3 (Tabby after
 " b: 1&4, 2&4, 2&4, 1&4 each pat. row.)
 " c: 1&5, etc. Block d: 1&6, etc.



MODERN TEXTURAL DOILY DESIGN COMBINING HERRINGBONE AND M'S & O'S.

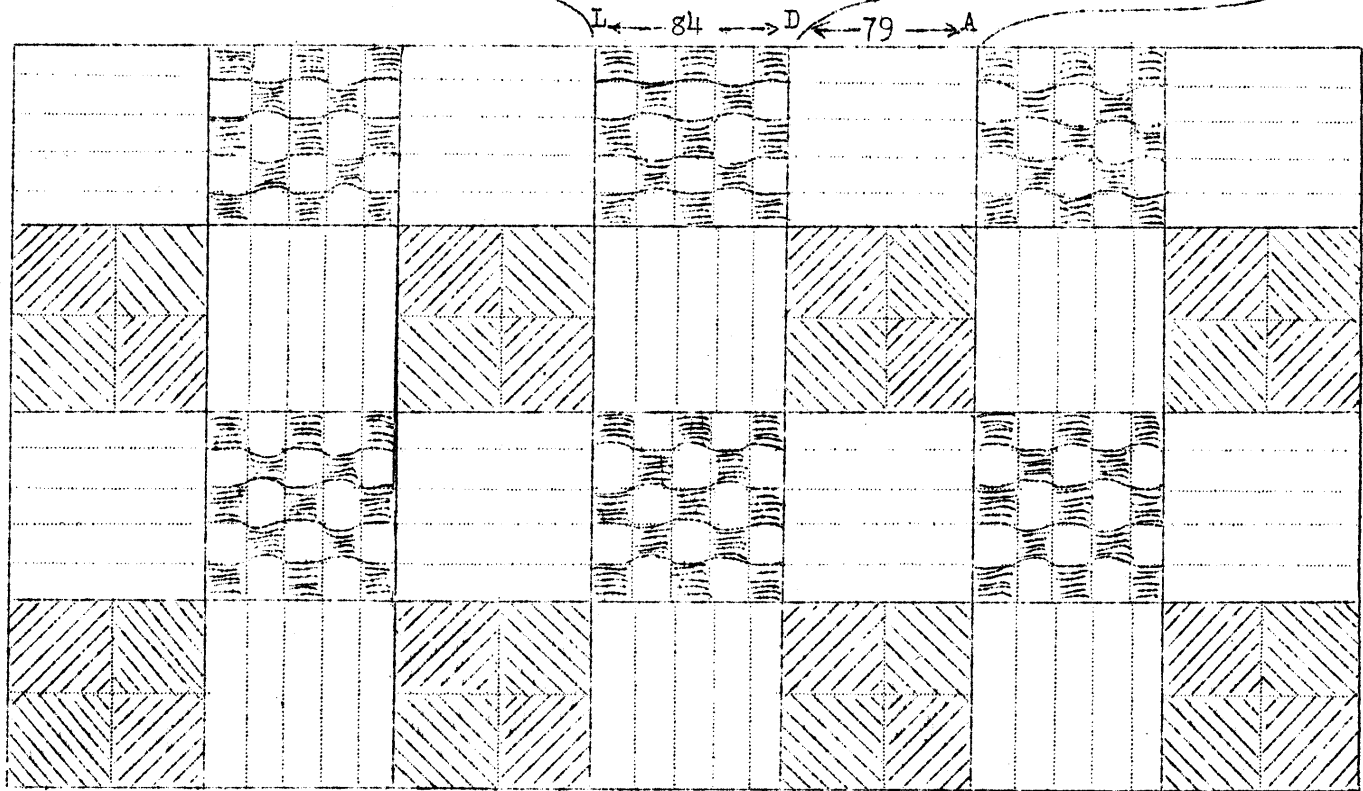
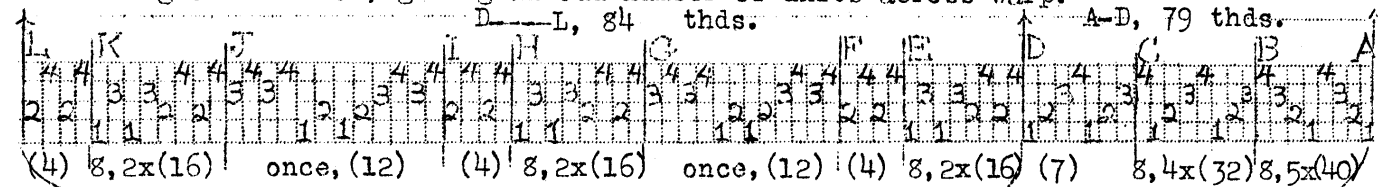
From An Exhibit by Helen Louise Allen

Leaflet 1615

Many patterns are lovely in themselves but may be viewed in attractive new lights, when arranged in juxtaposition to other patterns. Such an arrangement as that below, creates a pleasing textural effect. We have given two settings, one for fine texture on a closely set warp; the other for coarser effect on a heavy linen or cotton warp.

Both the Herringbone and M's and O's patterns are one-thread weaves, hence this doily draft is an efficient and economical one to thread on one's loom. The fine granular effect of the Herringbone is in good contrast to the more block-like units of the M's and O's. The width of the doily is pictured below from left to right.

In the draft below, we give one repeat each of the Herringbone and M's and O's sections. In threading your warp, repeat these two in succession as desired. Begin and end with the Herringbone section, giving an odd number of units across warp.



NO.1. WARP PLAN. COARSE TEXTURE

Warp: 18/2 or 20/2 linen, or 10/3 Cotton, or Perle 5.
Thds. per inch: 20. Width: 20"
Total No. Thds: 405.
Weft: Perle 3 or Linen Floss.

NO.1 THREADING PLAN: Threads

A-to D, - - - - - 79
D-to K, - - - - - 84
A to D, - - - - - 79
D to L, - - - - - 84
A to D, - - - - - 79
Total Thds. 405

NO.2 WARP PLAN. FINE TEXTURE

Warp: 20/2 or 24/3 Cotton
Thds. per inch: 30. Width: 19"
Total No. Thds: 568
Weft: Perle 5 Cotton or 12/1 Linen Weft.

NO.2. WEAVING PLAN: A to D - - 79

D to L - - 84
Total Thds. A to L, 163. 163
Repeat A to L, 3 times
making total of - - 489
Add A to D, once - - - - 79
Total Thds. - - - - 568

WEAVING PLAN: Alternate sections below of Herringbone, then M's and O's:

HERRINGBONE:
Hs. 1&2, 2&3, 3&4, 4&1, each once, (repeat 5x.)
Hhs. 3&4, 2&3, 1&2, 4&1, each once (repeat 5x.)
Add 3&4, 2&3, 1&2, each once.

M'S AND O'S:
Hs. 1&3, 2&4, - 20 rows
1&2, 3&4, 12 rows.
Repeat all 32 rows 2 times, (64). See *.

* In weaving M's and O's sections: Finish with 1&3, 2&4, 20 rows.

A C B

In weaving one may often utilize the same warp for many things and this fact saves great expense. One can plan a tablecloth with matching napkins of any size, two or three of these to be woven side by side. On a 32" loom weave two strips 32" wide for a large cloth; napkins 16" wide as shown here; or weave one 32" runner only.

Napkin 16"

The distance A to B is 32", width of runner or half-width of cloth. Distance B-C and A-C, represents width of each napkin, or 16". Napkins are cut accurately along a drawn thread, then hemmed.

A stripe or plaid design may be made of the same size thread as warp, but different color; or of the same color as the warp, but a glossy heavy texture. Tablecloths in plaids are good.

If the stripe design is planned as shown here, it will form bands at intervals across entire cloth and bands at sides of napkins.

Weave cloth the full width, then two napkins side by side. Cut them apart along dotted lines, hem at sides.

← Cut napkins here →

In planning stripes of this kind, it is possible to add the extra colored or texture threads to the regular warp threads, through the same heddle-eyes and same reed dents. Add enough for one set only, or for several sets. Put extra threads on separate roller in back, to hang temporarily. Remove stripes when desired.

WARP PLAN: Warp: 20/2 Cotton, 24/3 cotton or 35/2 linen.
Weft: 20/1 or 35/2 linen; or 20/2 cotton.
Thds. per in: 30 or 32.
Width: 32" or 42".
Total for 32" loom: 960.

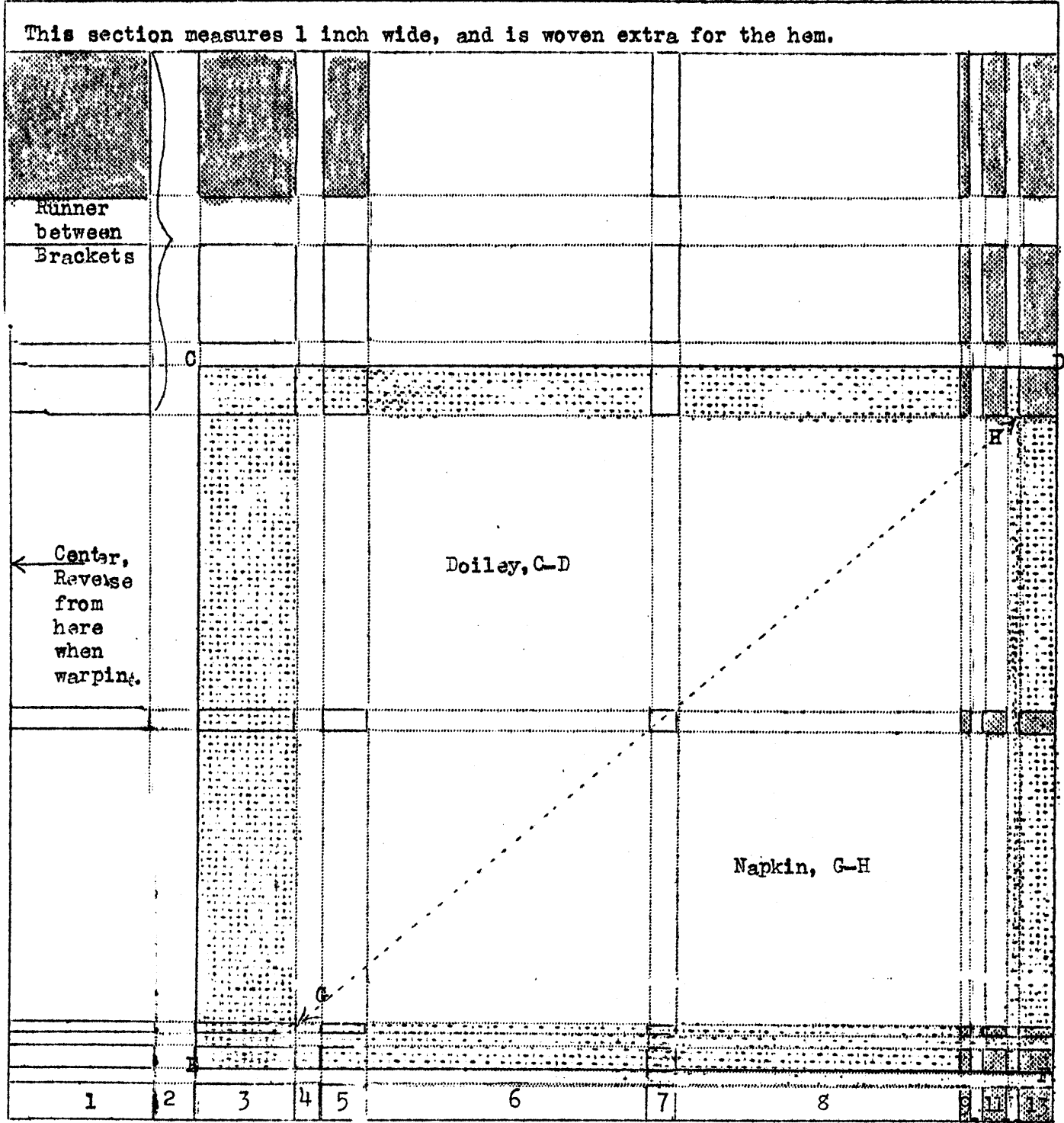
Note: 35/2 linen is now available here in 1/4 lb. spls. \$1.40.

By adding colored or textured threads one leaves same warp.

Linens in all sizes are available now in 1/4 lb. spools here in orders 5 lbs. or more.

A STRIPED WARP ON A 42" LOOM, GOOD FOR DRAPES OR TABLECLOTH.
 The Tablecloth May be Adapted to Doilies
 Napkins and Runners

A. This cut represents $\frac{1}{2}$ of cloth, 21" wide, also adaptable to 22-inch loom. A-B, 21 in. B



Section CDEF outlined with dotted parts, represents portion usable for Doilies.
 Section made diagonally across Doily, from near E to D, makes the napkin of set.
 Section shown in the bracket, at top of cut, represents a good section for a runner.
 For entire cloth, reverse design at arrow, and warp stripes in opposite direction.
 This tablecloth (only half of design is given) makes an excellent base for various table usages. In the above drawing, $\frac{1}{4}$ inch space represents $\frac{3}{16}$ in. of the full size cloth, or the scale is 1 to 3. One would therefore warp as follows:
 Section 1: 3 in. dk. color; Sec. 2: $\frac{3}{4}$ in. lt. color; Sec. 3, $1\frac{7}{8}$ in. dk; Sec. 4, $\frac{1}{2}$ in. lt; Sec. 5, 1 in. dk; Sec. 6, $5\frac{5}{8}$ in. lt.; Sec. 7, $\frac{5}{8}$ in. dk; Sec. 8, $5\frac{5}{8}$ in. lt; Sec. 9, $\frac{3}{16}$ in. dk; Sec. 10, $\frac{3}{16}$ in. lt; Sec. 11, $\frac{3}{8}$ in. dk; Sec. 12, $\frac{3}{16}$ in. lt; Sec. 13, $\frac{3}{4}$ in. dk. Weave tablecloth like a plaid, with same succession of colors. Weave doily and napkins as shown. (Design by Mrs. Eleanor Powell, Michigan.)

For linens and towels, simple texture designs are often the most acceptable. The two drafts given below make excellent one-thread weaves, similar to the popular huck toweling of early days.

These patterns may be tried with many different kinds of warps. A coarse 16/3 or 10/3 warp in natural, woven with the same, will give a coarse towel, excellent for the everyday uses that we so often overlook in planning more elaborate articles. A warp of linen 20/2 crossed with a slightly heavier linen weft makes beautiful table mats. Very fine guest towel textures result from using 20/2, 24/3, 24/2 or even 30/2 warp, with a fine setting, - 30, 32 or 36 threads per inch. Use pastel linen 20/1 for weft.

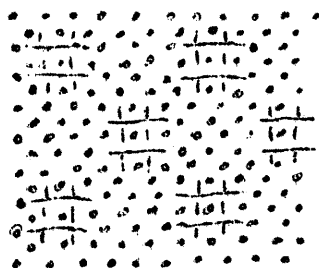
DESIGN NO.1. Genuine Huck Texture. Use for towels or table linens. With heavy warp thread, use for purses; weave with Perle 3, or Floss, - Cotton or Linen.



Threading: Keep repeating pattern.

Weaving: Harnesses: 2 alone
 1 and 3
 2 alone
 1 and 3
 2 and 4
 1 alone
 2 and 4
 1 alone
 2 and 4
 1 and 3
 Repeat all.

Effect: The effect of this weaving results in an all-over surface texture with interruptions of small overshoot spaces, as shown below.



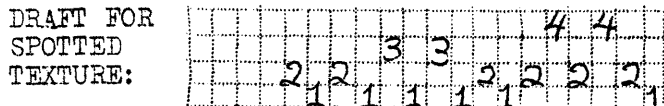
WARP PLAN FOR MEDIUM WEIGHT TOWEL OR LINEN

Warp: 10/2 cotton
 Weft: Perle 10, 20/6 strand or 10/3 Cotton, or Linen 12/1.
 Thds. per inch: 24 to 30. The more closely set thread produces a heavier, firmer cloth.
 Width: For large towel, 19 in. weaves down to 18". For small guest size, 13 in. weaves down to 12".

THREADING PLAN: Repeat either draft continuously as written.

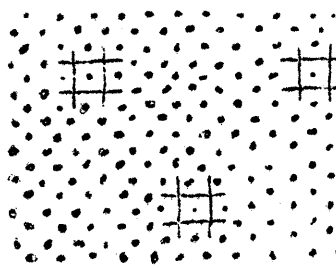
WEAVING PLANS: The weaving plans will be found under each draft. Weave with one thread only, the same weight or slightly heavier than the warp.

DESIGN NO.2. Design No.2 results in a more spotty effect than No.1 when woven. Use a warp of one color and a weft of a contrasting one.



Threading: Keep repeating pattern. Interesting effects for draperies may be secured from these huck drafts by leaving an empty dent in the reed between repeats, or at intervals of 1/2 in. or so.

Weaving: Harnesses: 2 and 3
 4 and 1
 2 and 3
 4 and 1
 2 alone
 4 and 1
 2 alone
 4 and 1
 2 and 3
 4 and 1
 overshoot spaces more set off by tabby background.
 1 alone
 2 and 3
 4 and 1 Repeat all.



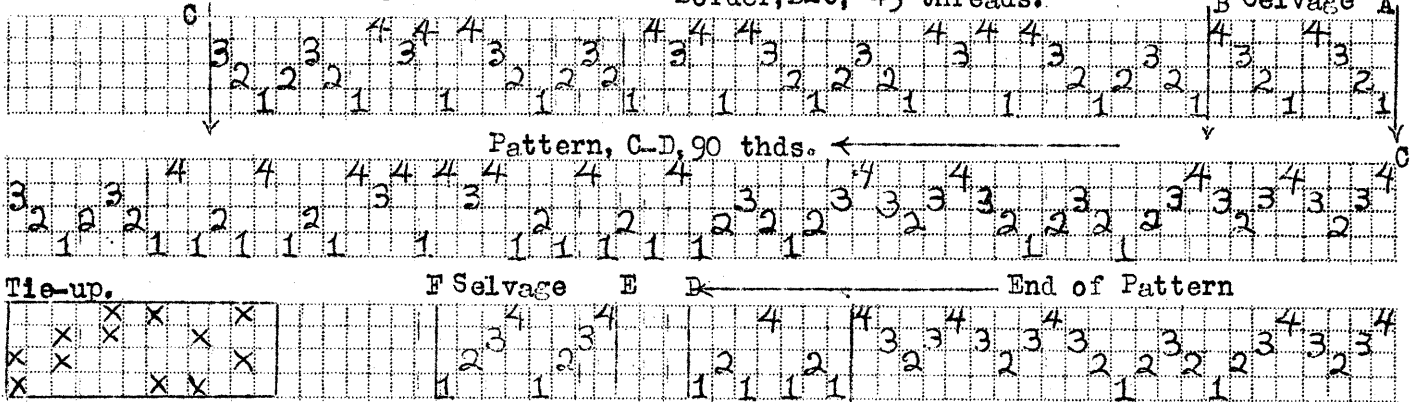
As far as texture goes, Crackle Weave is as valuable a technique as Summer and Winter. It is also as durable a weave, for every fourth thread of warp binds down the weft, and the design units may be carried as far as desired; unlike Overshot Weave in which the length of a unit or block must be limited to a certain distance, since the weft floats quite above the surface of the fabric and too long an overshot would render the fabric impractical for certain uses.

This carefully planned luncheon set design has side borders 2 inches wide, and the ends may be woven into similar borders, making a 4-sided border, so valuable for the weaver's use. There are three large design units shown from C to D. To adapt this pattern to upholstery, simply leave out the selvage and border, A to C, and repeat the pattern proper as far as desired, i.e. from C to D. This threading is also adaptable to purses or underarm bags.

THE DRAFT- CRACKLE MEDALLION.

Border, B-C, 43 threads.

B Selvage A



WARP PLAN:

Fine Texture Doilies & Napkins.

Warp: 20/2 or 24/3 Cotton

Weft: Pattern Weft, Perle 5, or 10/3.

Tabby Same as warp; or 20/1 linen.

Thds. per inch: 30 or 32

Width in Reed: 18 inches

Total Threads: 545

WEAVING PLAN, No. 2. Border: Same as No. 1.

Pattern: Head Columns down:

Hs. 1&2, 6x

" 2&3, 6x

" 1&2, 6x

" 2&3, 2x

" 3&4, 6x

" 4&1, 6x

Hs. 3&4, 6x

Hs. 2&3, 2x

Hs. 1&2, 6x

Hs. 2&3, 6x

Hs. 1&2, 6x

Hs. 3&4, 4x

*. This is center of pattern. Reverse from here.

THREADING PLAN:

Threads:

Right Selvage, A-B, - - - - - 8

Right Border, B-C, 43 threads - - 43

Pattern, C-D, 90 threads, Repeat 4 times, - - - 360

Last time, 5th time, C to * only - - 83

Border backwards, C to B, - - - - - 43

Left Selvage, E-F, - - - - - 8

Total Thds. 545

WEAVING PLAN:

I. SIMPLE ALL-OVER PLAN:

Border: Treadle Separ. (For Tie-up)

ate Harnesses: 2&3, 4x (Tr. 2, 4x)

" 4&1, 2x (" 4, 2x)

Repeat to width desired.

Pattern: Hs. 2&3, (or Tr. 2) 2x; Hs. 1&2, (Tr. 1) 6x;

Hs. 2&3, (Tr. 2) 2x; Hs. 1&2, (Tr. 1) 6x; Hs. 2&3,

(Tr. 2) 2x. Repeat as desired or follow with:

Hs. 4&1, (Tr. 4) 6x; Hs. 3&4, (Tr. 3) 6x;

Hs. 4&1, (Tr. 4) 6x. Repeat all.

At other end, finish pattern with 1st motif at Creative Crafts, Guernsey, Pa.

