CORDUROY - A PILE WEAVE
Frances A. Morgan

The pile of corduroy, a weft pile fabric, is formed with the pattern weft yarns. The weft floats that go across the fabric in a straight line are cut to form the pile. Each float must be separated by a tabby area. The overshot weft or floats are usually on the top side of the fabric, though in some threddings and treadlings they may be on both sides. The floats may be cut any desired length, depending on the length of the overshot and the design of the material. Try cutting some in different lengths for interesting design and effects. A power-loomed corduroy textile leaves the loom as a flat fabric. The floats are cut in the center of each overshot after it is taken off the loom. However, cutting floats while your weaving is on the loom is much easier and you are less apt to cut into the background yarns. Weave a few inches and then cut floats with your loom at normal weaving tension. Experiment and try both ways.

CORDUROY: 1. In some treadlings after the floats are cut the ground or tabby areas are usually visible.
2. If warp is closely sett leave some of the floats uncut for a different pattern design. The closer the sett the shorter the floats or warp skips — the longer the float the longer the pile.
3. The width and depth (pile) of the floats are controlled by the draft and the treadling. Many overshot threddings may be used for this weave. It is essential that there are tabby areas between the float areas. Otherwise the cut floats will have a tendency to pull out.

PILE: 1. The pile may be on one side or both sides of the fabric.
2. It may be the same length on both sides or not.
3. It may be short or long on both on the same side.
4. Pile may be different colors. Try using two or more colors in the same shed.
5. Cut the pile on the loom at your normal weaving tension.
6. Long floats can be left uncut and the textile may be used for draperies or a room divider. Bubble weft making floats two or three times longer. Bubble your weft when making a rug or a bath mat. This makes the pile longer.

Corduroy weave may be used for decorative skirts, skirt borders, bedspreads, couch covers, draperies, room dividers, upholstery, pillows, bath mats, rugs and bags.

### Threading

| 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |

There are 26 threads in the above threading. With a single tie-up these treadlings are possible. The floats will be on the top of your weaving.

#### Counter Balance Loom

| 14, 134, 124, 123, and 234 |
| 12 and 34 floats are on both sides. |
| Tabby is 13 and 24. |

#### Jack Loom

| 1, 2, 3, 4, and 23 |
| 12 and 34 floats are on both sides. |
| Tabby is 13 and 24. |

**There are ten treadling combinations.**

| 14–234, 14–123, 14–124, 123–124, 14–134 |

**The following treadlings are for swivel weave used in some of the samples.**

| 1, 2, 3, 4, and 23 |
| 234, 134, 124, and 14 |

With a corduroy threading your treadling for swivel will be the opposite to corduroy so your floats will be on the bottom of your fabric.

The floats or overshots in this draft go over as many as 19 warp threads and as few as 6 depending upon the treadling used. The weft must also form a tabby with the warp between floats. As many as 17 warp threads are involved in the tabby between the floats and as few as 7 depending upon the treadling used.
Example: 124) weft goes over 19 warp threads
134) 14 weft goes over 6 warp threads
123) 17 warp threads between each float.
234) 7 warp threads between each float.

SAMPLE 1
(Shown on cover, bottom row, right.)

MATERIALS:
WARP: Lily Art. 114, Mercerized Pearl Cotton, size 3/2, Black 441.
WEFT: Lily Art. 120, Sports Yarn, Black 2 for tabby and
       Lily Art. 130, Knitting Worsted, Scarlet 98 and White 1 for pattern.

Warp set 18 threads to the inch. Use a 9 dent reed — double sley.

Treading for a Counter Balance Loom

Tabby 6 shots — end 24
*4 white wool
13 black
4 white wool
24 black
34 Use red double
13 black
4 white wool
24 black
4 white wool
Tabby 6 shots — end 24
1 white wool
13 black
1 white wool
24 black
12 Use red double
13 black
1 white wool
24 black
1 white wool
Tabby 6 shots — end 24
*Repeat

Jack Loom

Tabby 6 shots — end 13
*123 white wool
24 black
123 white
13 black
12 Use red double
24 black
123 white wool
13 black
123 white wool
Tabby 6 shots — end 13
234 white wool
24 black
234 white wool
13 black
34 Use red double
24 black
234 white wool
13 black
234 white wool
Tabby 6 shots — end 13
*Repeat

SAMPLE 2
(Shown on cover, top row, left.)

MATERIALS:
WARP: Lily Art. 114, Mercerized Pearl Cotton, size 3/2, Black 441.
WEFT: Lily Art. 120, Sports Yarn, Black 2 for tabby and
       Lily Art. 130, Knitting Worsted, Scarlet 98 and White 1 for pattern.

Warp set 18 threads to the inch. Use a 9 dent reed — double sley.

Treading for a Counter Balance Loom

*14 white wool
Two tabby shots between each
pattern shot — repeat 4 times
3 red wool
Two tabby shots between each
pattern shot — repeat 3 times
14 white wool
Two tabby shots — repeat 3 times
2 red wool
Two tabby shots — repeat 3 times
*Repeat

Jack Loom

*23 white wool
Two tabby shots between each
pattern shot — repeat 4 times
124 red wool
Two tabby shots between each
pattern shot — repeat 4 times
23 white wool
Two tabby shots — repeat 3 times
134 red wool
Two tabby shots — repeat 3 times
*Repeat
SAMPLE 3
(Shown on cover, third row, left.)

MATERIALS:

WARP: Lily Art. 114, Mercerized Pearl Cotton, size 3/2, Black 441.
WEFT: Lily Art. 120, Sports Yarn, Black 2 for tabby and
      Lily Art. 130, Knitting Worsted, Yellow 10 for pattern.

Warp set 18 threads to the inch. Use a 9 dent reed — double sley.

<table>
<thead>
<tr>
<th>Treadling for a Counter Balance Loom</th>
<th>Jack Loom</th>
</tr>
</thead>
<tbody>
<tr>
<td>*123 yellow wool</td>
<td>*4 yellow wool</td>
</tr>
<tr>
<td>13 black</td>
<td>24 black</td>
</tr>
<tr>
<td>Repeat 6 times using alternate tabby</td>
<td>Repeat 6 times using alternate tabby</td>
</tr>
<tr>
<td>between pattern shots.</td>
<td>between pattern shots.</td>
</tr>
<tr>
<td>234 yellow wool</td>
<td>1 yellow wool</td>
</tr>
<tr>
<td>13 black</td>
<td>24 black</td>
</tr>
<tr>
<td>Repeat 6 times using alternate tabby</td>
<td>Repeat 6 times using alternate tabby</td>
</tr>
<tr>
<td>shots between pattern shots.</td>
<td>between pattern shots.</td>
</tr>
<tr>
<td>*Repeat</td>
<td>*Repeat</td>
</tr>
</tbody>
</table>

SAMPLE 4
(Shown on cover, second row, right.)

MATERIALS:

WARP: Lily Art. 114, Mercerized Pearl Cotton, size 3/2, Black 441.
WEFT: Lily Art. 130, Knitting Worsted, Emerald 62 for tabby and
      Emerald 2, used double, and Yellow 10 used single for pattern.

Warp set 18 threads to the inch. Use a 9 dent reed — double sley.

<table>
<thead>
<tr>
<th>Treadling for a Counter Balance Loom</th>
<th>Jack Loom</th>
</tr>
</thead>
<tbody>
<tr>
<td>*12 emerald double</td>
<td>*34 emerald double</td>
</tr>
<tr>
<td>13 emerald single</td>
<td>24 emerald single</td>
</tr>
<tr>
<td>12 emerald double</td>
<td>34 emerald double</td>
</tr>
<tr>
<td>24 emerald single</td>
<td>13 emerald single</td>
</tr>
<tr>
<td>3 yellow</td>
<td>124 yellow</td>
</tr>
<tr>
<td>13 emerald single</td>
<td>24 emerald single</td>
</tr>
<tr>
<td>3 yellow</td>
<td>124 yellow</td>
</tr>
<tr>
<td>24 emerald single</td>
<td>13 emerald</td>
</tr>
<tr>
<td>*Repeat</td>
<td>*Repeat</td>
</tr>
</tbody>
</table>

SAMPLE 5
(Shown on cover, bottom row, left.)

MATERIALS:

WARP: Lily Art. 114, Mercerized Pearl Cotton, size 5/2, Old Gold 79.
WEFT: Lily Art. 114, Floss, Old Gold 79 for tabby and the following yarns on the
      same shuttle for pattern weft:
      Lily Art. 114, Mercerized Pearl Cotton, size 3/2, Old Gold 79
      Lily Art. 114, Mercerized Pearl Cotton, size 10/2, Yellow 404
      Lily Art. 130, Knitting Worsted, White 1 and Yellow 10
Warp set 18 threads to the inch. Use a 9 dent reed — double sley.

**Treading for a Counter Balance Loom**

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Jack Loom</th>
</tr>
</thead>
<tbody>
<tr>
<td>(*124 pattern</td>
<td>(*3 pattern</td>
</tr>
<tr>
<td>(</td>
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<tr>
<td>(13</td>
<td>(24</td>
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<td>(</td>
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<tr>
<td>(24</td>
<td>(13</td>
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</table>

10 tabby shots

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Jack Loom</th>
</tr>
</thead>
<tbody>
<tr>
<td>(134 pattern</td>
<td>(2 pattern</td>
</tr>
<tr>
<td>(</td>
<td>)</td>
</tr>
<tr>
<td>(13</td>
<td>(24</td>
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<tr>
<td>(24</td>
<td>(13</td>
</tr>
</tbody>
</table>

10 tabby shots

*Repeat

**SAMPLE 6**

*(Shown on cover, third row, right.)*

**MATERIALS:**

**WARP:** Lily Art. 114, Mercerized Pearl Cotton, size 5/2, Old Gold 79

**WEFT:** Lily Art. 114, Floss, Old Gold 79 for tabby and

Lily Art. 130, Knitting Worsted, White 1 for pattern weft.

Warp set 18 threads to the inch. Use a 9 dent reed — double sley.

**Treading for a Counter Balance Loom**

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Jack Loom</th>
</tr>
</thead>
<tbody>
<tr>
<td>(*234 pattern</td>
<td>(*1 pattern</td>
</tr>
<tr>
<td>(</td>
<td>)</td>
</tr>
<tr>
<td>(13</td>
<td>(24</td>
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<td>(</td>
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<tr>
<td>(24</td>
<td>(13</td>
</tr>
</tbody>
</table>

(4 pattern

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Jack Loom</th>
</tr>
</thead>
<tbody>
<tr>
<td>(</td>
<td>)</td>
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<tr>
<td>(13</td>
<td>(24</td>
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<tr>
<td>(</td>
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</tr>
<tr>
<td>(24</td>
<td>(13</td>
</tr>
</tbody>
</table>

(123 pattern

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Jack Loom</th>
</tr>
</thead>
<tbody>
<tr>
<td>(</td>
<td>)</td>
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<tr>
<td>(13</td>
<td>(24</td>
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<td>(</td>
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<tr>
<td>(24</td>
<td>(13</td>
</tr>
</tbody>
</table>

*Repeat

Page 5
MATERIALS:

WARP: Lily Art. 114, Mercerized Pearl Cotton, size 5/2, Old Gold 79.

WEFT: Lily Art. 114, Floss, Old Gold 79 for tabby and
Lily Art. 130, Knitting Worsted, White 1 and Yellow 10 for pattern weft.

Warp set 18 threads to the inch. Use a 9 dent reed — double sley.

Treading for a Counter Balance Loom                     Jack Loom
(*134 pattern yellow                                 (*2 pattern yellow
  (                                      (                      
(234 pattern white      Repeat 4 times                   (1 pattern white
  (                                      (                      
(134 pattern yellow      (                                      
  (                                      (                      
(tabby 3 times

10 tabby shots between each pattern unit.

*Repeat                                  *Repeat

SAMPLE 8
(Shown on cover, top row, right.)

MATERIALS:

WARP: Lily Art. 114, Mercerized Pearl Cotton, size 5/2, Old Gold 79

WEFT: Lily Art. 114, Mercerized Pearl Cotton, size 3/2, Old Gold 79 for tabby and
Lily Art. 130, Knitting Worsted, White 1 and Emerald 62 for pattern weft.

Warp set 18 threads to the inch. Use a 9 dent reed — double sley.

Treading for a Counter Balance Loom                     Jack Loom
(*123 emerald                                 (*4 emerald wool
  (                                      (                      
(Tabby 2 times      Repeat 4 times                   (Tabby 2 times
  (                                      (                      

Tabby 3 times between each pattern unit

(3 white wool                                 (124 white wool
  (                                      (                      
(Tabby 2 times      Repeat 6 times                   (Tabby 2 times
  (                                      (                      

Tabby 3 times between each pattern unit

*Repeat                                  *Repeat