Yarn for the single is spun 3 1/4 run, and for the twist 4 1/4 run, all of slack twist.

**WARP.**

**PATTERN No. 3.**

This represents a fancy combined weave and stripe for trousers in all worsted yarns, as follows:

**WARP PATTERN.**

32 light olive brown.
16 black.
1 red and black, D. & T. 4 threads.
1 black.
24 black.
1 red and black, D. & T. 4 threads.
1 black.
16 black.

96 threads in pattern; 3,360 in the warp.

Other colors may be used in the place of those given to a good advantage.

Lay in the reed the usual width for this class of goods.

Filling all black; 66 picks per inch, finished goods.

**FILLING PATTERN.**

12 black worsted.
12 dark olive brown worsted.

24 threads in pattern; 72 picks per inch.

**WEAVE.**

**PATTERN No. 4.**

This represents a very pretty diagonal effect for suitings. The face of the goods is a cassimere twill, and in the sunk recess of every fourth twill, silk threads appear as if sewed in on a bias with the twill, thus making a very mild and attractive pattern.

8 black, fine worsted.
1 lavender silk.
8 black, fine worsted.
1 red silk.
8 black, fine worsted.
1 lavender silk.
8 black, fine worsted.
1 orange silk.

36 threads in pattern; 3,600 in the warp.

Reed No. 16% 6 threads in a dent.

Filling all black. The face is fine worsted, and the backing coarse woolen. Put in about 80 picks per inch.
PATTERN No. 6.
This represents a handsome diagonal of the corksewe style, and is a good thing for coatings or suitings, made in the following manner:

WARP PATTERN.
1 lavender silk or fine worsted.
3 black, common woolen yarn, 4 run.
4 threads in pattern, 44 in draft; 2,160 in the warp.
Reed No. 15, 4 threads in a dent.
Any colored thread may be used in place of the lavender, but should be much finer than the other warp threads, which brings it up only as fine specks in the goods as though sewed in regularly.

FILLING PATTERN.
1 black, common yarn, 3 run.
2 seal brown worsted.
3 threads in pattern; put in all the picks the warp will stand.

WEAVE.

DRAFT.

PATTERN No. 7.
This represents a nice plaid for suitings. The face is a cassimere twill but in the manner in which the back of the warp is applied, it causes a wale to be seen on the face running the reverse of the twill; the back of the goods also show a fancy stripe.

WARP PATTERN.
8 black.
8 olive brown.
8 red brown.
10 light stain.
1 green worsted.
1 light stain.
8 light stain.
24 olive brown.
24 light stain.
96 threads in pattern; 2,688 in the warp, of 5 run yarn; lay out in a No. 11½ reed, 6 threads in a dent.

FILLING PATTERN.
2 light drab.
1 black.
2 green worsted.
1 black.
2 light drab.
1 black.
2 olive brown.
1 black.
2 light drab.
1 black.
2 olive brown.
1 black.
72 threads in pattern; and about 72 picks per inch or enough to produce the plaid square. Spin the drab and brown down to 5½ run, and the black 4½ run.

WEAVE.

DRAFT.

PATTERN No. 8.
A fancy pin-check and stripe combined, for suitings; looks nice made in worsted yarns but may be produced in common woolen yarns and look well as follows:

WARP PATTERN.
2 black.
2 dark brown.
1 cinnamon brown.
1 bright red.
1 cinnamon brown.
4 white.
26 threads in pattern; 2,240 in the warp, of 4½ run yarn drawn into a No. 15½ reed, 4 threads in a dent. It could be woven on a lesser number of harnesses, but it is best to use ten.

FILLING PATTERN.
4 silver drab.
4 black.
8 threads in pattern, of 5 run yarn; put in all the picks you can and have the work go good.

WEAVE.

DRAFT.

PATTERN No. 9.
This represents a pretty plaid effect for suitings, made of common yarns, medium stock, and is a good thing for small mills to make. Various colors or mixes can be used to good advantage with this weave if desired.

WARP PATTERN.
2 orange and green D. & T. 32
14 dark seal brown. 6 threads.
2 red and blue D. & T. 32
14 dark seal brown. 6 threads.
64 threads in pattern; 1,600 in the warp of 2½ run yarn for the single, and 5 run for the double and twist.
Reed No. 11, 4 threads in a dent.

FILLING PATTERN.
2 green and red D. & T. 32
14 black. 6 threads.
2 orange & blue D. & T. 32
14 black. 6 threads.
64 threads in pattern of 3 run for the single and 5½ for the D. & T. Put in 56 picks per inch.

WEAVE.

DRAFT.

PATTERN No. 10.
This represents a very pretty combined weave and stripe for trouserings, made of common woolen yarns, medium stock, in the following manner:

WARP PATTERN.
8 black.
1 red and black, D. & T.
3 silver drab.
8 gray mix (80 blk. & 20 wht.)
3 silver drab.
1 red and black D. & T.
24 threads in pattern; 1,440 in the warp of 2½ runs.
Reed No. 10, 4 threads in a dent.
Filling all black, of 3 run yarn; 50 picks per inch.

WEAVE.

DRAFT.

PATTERN No. 11.
This represents a fine flannel for ladies’ dress goods, or gents’ shirting.

WARP PATTERN.
1 white. 12 times.
1 black. 12 times.
1 white. 12 times.
48 threads in pattern; 1,728 in the warp of 6 run yarn; lay out in the reed to finish 36 inches.

FILLING PATTERN.—Same as warp; 6½ run yarn. Put in picks to bring the pattern out square.

Weave with 6 or 8 harnesses, plain.