

NOVELTIES IN WOMEN'S WEAR FROM ABROAD.

Covert Cloth (Piece Dye).

FOR FABRIC SEE PHOTOGRAPHIC REPRODUCTION FIG. A.

Warp: 5712 ends, all 2/64's worsted, raw-white, twisted over with 60's white cotton.

Dress: 12 sections, each containing 476 ends.

Bouclé Dress Goods.

FOR FABRIC SEE PHOTOGRAPHIC REPRODUCTION FIG. B.

Warp: 2370 ends 2/32's worsted cheviot, blue-green mix. Any other fancy color can be used, depending upon the coloring used for the filling.

Dress: 5 sections, each containing 492 ends.

Reed: 16 with 2 ends per dent, or 32 ends per inch = 74 inches wide in reed.

Weave: For weave-plan see diagram B; repeat 16 warp-threads and 16 picks.

Draw: 16-harness, straight.

Filling: 74 picks per inch, arranged thus:

- 1 pick 2 ply 4 run cheviot, fawn and brown twist.
- 1 pick 2 ply 3½ run cheviot, black.

2 picks in repeat of pattern.

In place of fawn and brown twist any other fancy colors can be used; in the same way dark blue or any other dark color can be used in place of the black filling quoted.

Finish: Cheviot finish, scour, shear, etc., 52" finished width.

Cheviot Suiting.

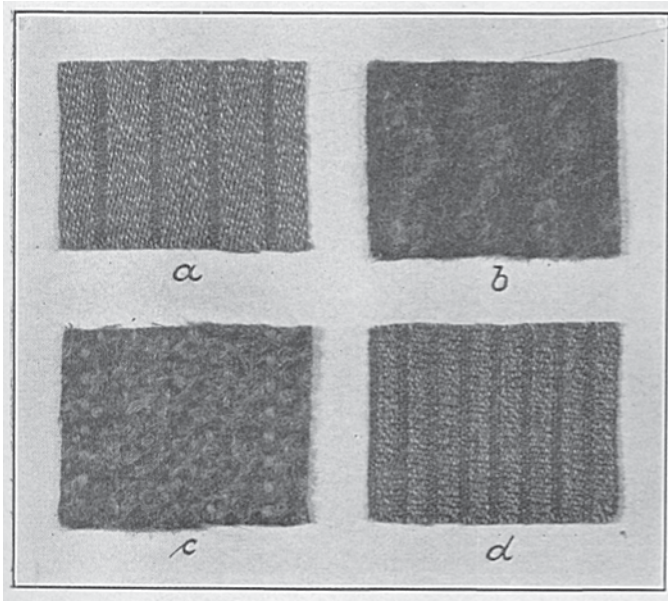
FOR FABRIC SEE PHOTOGRAPHIC REPRODUCTION FIG. C.

Warp: 2808 ends.

Dress: 9 sections, each containing 6 patterns @ 52 ends, or 312 ends total; or 6 sections, each containing 9 patterns @ 52 ends, or 468 ends total.

Arrangement of Warp:

- 1 end 2-ply cheviot, 4 run gray and 3½ run black, twist. } ×5
- 3 ends 2/56's worsted, gray mix. }
- 1 end 2/52's worsted, lilac. } ×4
- 1 end 2/52's worsted, black. }
- 1 end 2-ply cheviot, 4 run gray and 3½ run black, twist. } ×6
- 3 ends 2/56's worsted, gray mix. }
- 52 ends in repeat of pattern.

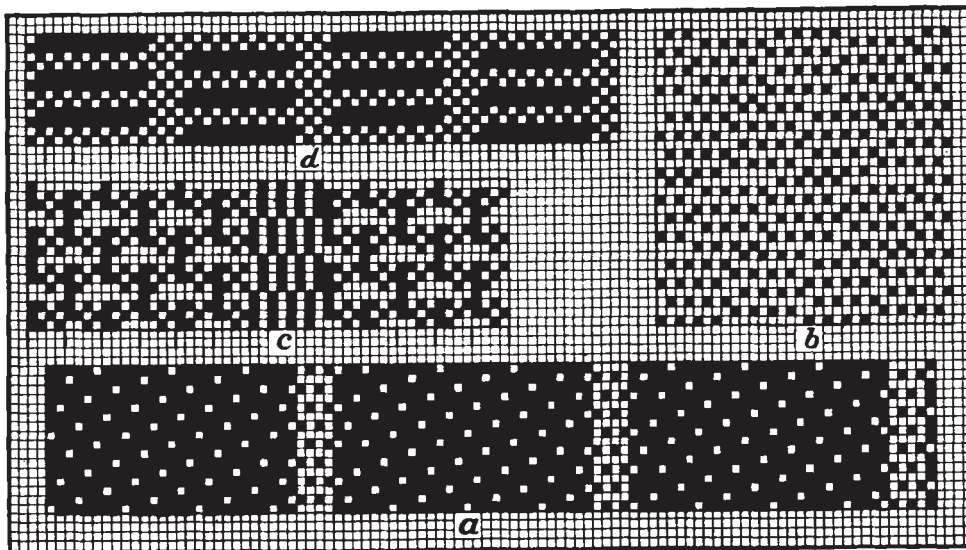


ACTUAL REPRODUCTION OF FABRICS from which detail of fabric structures given, are taken.

Reed: 24½ with 4 ends per dent, or 98 ends per inch = 58 inches wide in reed.

Weave: For weave-plan see diagram A; repeat 96 warp-threads and 8 picks.

Draw: 16-harness, fancy draft, using 8 harnesses for the 8-harness satin warp effect, 4 harnesses for the rib effect 1-3 and 4 harnesses for the cut-off threads working 3-1 between satin and rib effect.



DETAILS FOR WEAVES.

Filling: 76 picks per inch, all single 32's worsted, raw-white.

Finish: Scour well, dye any fashionable color, clear face; 52 inches finished width.

Reed: Number 10, drawing eleven times 4 ends in each dent and once 8 ends in one dent; or draw one repeat of the pattern in 12 dents, as indicated in the arrangement of

warp by means of multiplication signs, and correspondingly by means of dashes below the weave; to be $6\frac{1}{2}$ inches wide in reed.

Weave: For weave-plan see diagram C; repeat 52 warp-threads and 8 picks.

Draw: 10-harness, fancy draw.

Filling: 48 picks per inch, arranged thus:

3 picks $\frac{2}{56}$'s worsted, gray mix.

1 pick 2-ply cheviot, 4 run gray and $3\frac{1}{2}$ run black, tw.

—
4 picks in repeat of pattern.

Finish: Cheviot finish, full slightly, shear, etc., 52" finished width.

Mouliné Dress Goods.

FOR FABRIC SEE PHOTOGRAPHIC REPRODUCTION FIG. D.

Warp: 5200 ends.

Dress: 13 sections each containing 13 patterns @ 80 ends, or 400 ends total.

Arrangement of Warp:

79 ends $\frac{2}{64}$'s worsted, raw-white, twisted over with 60's white cotton.

1 end $\frac{2}{54}$'s cotton, light green.

—
80 ends in repeat of pattern.

Reed: $22\frac{1}{2}$ with 4 ends per dent, or 90 ends per inch, using one dent for the four ends plain; or use reed 28, drawing 4 dents with 3 ends each, placing the four remaining ends in the repeat of the weave) in every fifth dent, as indicated by means of dashes below the weave; to be 58 inches wide in reed.

Weave: For weave-plan see diagram D; repeat 32 warp-threads and 4 picks.

Draw: 10-harness fancy draw or 16-harness straight draw.

Filling: 68 picks per inch, all single 32's worsted raw-white.

Finish: Scour well, dye olive or any other fashionable color, changing in the latter instance when dressing the warp, the one end green to its proper color, clear face; 52 inches finished width of fabric.

An Improved Process for the Manufacture of Artificial Silk from Viscose.

The same refers to a process lately patented abroad, when viscose which is only slightly ripened is coagulated in a bath containing 27 per cent sodium bisulphate and 12 per cent sodium sulphate at 50 degrees C. The degree of concentration is so high that the liquid carried by the thread deposits crystals on the spool, and so it becomes necessary to rotate the spools in an aqueous bath of sodium bisulphate (7 per cent.).

Water cannot be used for this washing because the newly formed thread, which is xanthogenate of cellulose, is soluble in water, and it is only gradually converted into insoluble cellulose hydrate under the influence of the bisulphate carried over with it. The threads are then washed on spools and dried.

These threads it is claimed are stronger than all other silk threads, and also have larger covering power. It is essential that the coagulating bath of sodium bisulphate and sodium sulphate should be heated.

MANUFACTURE OF NARROW WARES.

Ribbons, Trimmings, Edgings, etc.

(Continued from page 118.)

Two Systems Filling.

In connection with weaves constructed with a face and a back filling (in connection with one system of warp) neither system of filling should show on its reverse side. This will result if observing in the construction of these weaves the following rule:

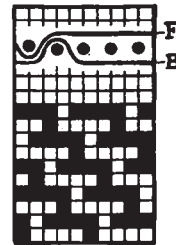


Fig. 46

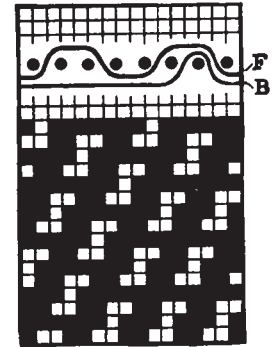


Fig. 47

In the back picks only such warp-threads can be lowered which are down in the preceding and the following face pick.

In the face picks only such warp-threads can be raised which are also raised, on the preceding and the next following back pick.

Fig. 46 shows such a weave with 5-harness satin for the interlacing of face and back filling.

Fig. 47 shows a weave with 4-harness even sided twill for the interlacing of the face filling, and 8-harness satin for the interlacing of the back filling.

Above weaves Figs. 46 and 47, a section of each respective fabric structure is given, showing face and back filling marked respectively *F* and *B*, the section of the warp threads (one repeat of weave) being shown by *circles*.

Face Interior and Back Picks.

In this instance, on the face of the fabric, the face pick only shall be seen, and on the back of the fabric the back pick only, the interior pick being introduced into the structure solely to increase the bulk of the latter and is neither visible on its face nor its back.

For warp-threads to be raised at the face pick select such threads as are up on the interior pick preceding and following said face pick, whereas in connection with the back pick, sinkers of the warp then used must be down on the interior pick preceding and following said back pick.

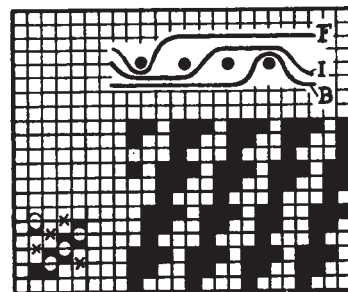


Fig. 48

Fig. 48 shows us such a weave, having the $\frac{1}{3}$ -4-harness twill for face picks, the 4-harness even sided