THE TEXTILE MERCURY.

March 29, 1870.

Designing.

NEW DESIGNS.

COATINGS AND TROUSSEURS. A most effective toning-up pattern may be produced with Design 14, made as follows:—

Design 14

2 threads 2/24 s medium blue grey cross-bred. 2 threads 2/24 s medium blue grey cross-bred. 2 threads 2/24 s black and blue mixture cross-bred. 2 threads 2/24 s black and blue mixture cross-bred. 2 threads 2/24 s dark blue cross-bred. 2 threads 2/24 s dark blue cross-bred. 2 threads 2/24 s shade of deep blue. 

All 12½ dark cross-bred. 48 picks per inch. If made in the above order, the weave (shown in solid type) should come on the last eight of the fourteen threads, black and blue mixture producing a faint weave stripe.

Since this combination is based upon the coincidence of the 2 and 4 twill with the eight-end satin, a perfect check may be formed, as shown in Design 15. Should the same scheme of colouring as the above be adopted in both warp and weft, the medium blue grey should be darker, since red stripes are more attractive than blue checks. Of course the effect may be largely extended by drafting, 16 shafts being employed.

An effect using the 1-end satin on a similar principle is given in Design 16. The above set will be equally effective here, while a fine yarn may be applied with equal success and effect as follows:

Design 16

24 threads 2/24 s dark grey woollen; 12 threads 2/24 s dark blue mixture. 12½ red 6½. All 2½ dark brown woollen; 70 picks per inch. An effective addition will be two threads of black and white twist in the dark grey portion. A similar effect will be given with a similar effect with the dark blue mixture. A useful stripe effect for development in other cross-bred or woollen yarns is as follows:

Design 17

...
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8 threads lavender,
2 medium green and grey mixture, lavender,
2 medium green and grey mixture,
4 lavender,
4 medium green and grey mixture.

Design 17 is a suggestion for the more efficient combination of colour with weave effect. It is intended that all the threads and picks developed in solid type shall be twist yarns, while the cross type represents solid colours, as follows:

Warp:
6 threads blue and brown twist,
4 dark blue,
4 blue and brown twist,
4 dark blue,
2 blue and brown twist,
2 dark blue,
2 blue and brown twist,
2 dark blue,
2 blue and brown twist,
1 6 dark blue.

The 22-end satin is here also made the basis of the design, it being converted for the twist yarns into a gossamer, thus rendering them, while for the solid coloured threads it may be converted into any of the satin derivatives as desired.

COTTON DRESS GOODS, DESIGNS, ETC.

During late spring and the summer muslin and light zephyr cloths will be in demand. Design A will convey some idea of the ornamentation required for these fabrics. By reference to the draft (which we cannot give in full on account of space) it will be seen that 24 shafts are required, of which four on the ground and five each for the spots; 90 dents per inch of 42's twist for the ground warp, two-fold 60's for the spot yarn; the warp to be made up with ten picks to the inch; lighter cloths made in proportion to these quantities. We give a pattern to that draft and pegging plan may be fully understood: 52 very light tan on the first four shafts; two tan, one dark blue on 5th shaft; two brown on ground shafts, making three in a dent, one dark blue, on 6th shaft; two tan, one dark blue on 7th, two tan, one dark blue on 8th shaft; two tan, one dark blue on 9th shaft; two tan, one dark blue on 10th shaft; two tan, one dark blue on 11th shaft; one dark blue on 12th shaft; two tan, one red on 13th shaft; one tan, one red on 14th shaft; one tan, one red on 15th shaft; two tan, one red on 16th shaft; two tan, one red on 17th shaft; two tan, one red on 18th shaft; two tan, one red on 19th shaft; two tan, one red on 20th shaft. This completes the second spot, and the pattern repeats from the first 52 tan for ground, so that this determines the distance between the spots. The warp must correspond, so that a proper square check warp and weft may be formed. (See design.)

The pegging plan will convey some indication of how to obtain this effect. Take the weft as follows: 2 green, 2 tan, 2 white, 2 tan; the green and white shuttles must be made by the pegging plan to cut the spots in the centre, as shown in the plan given by the two C's. We have been unable to give this plan in full for want of space, but the instructions given, if carefully followed, are sufficient to prevent any mistake. More extensive patterns may be produced, but a limit must be maintained in the distance between the spots, both in warp and weft, so as to minimize the length of the floats on the back of the material. We may just point out that the ground colours may be alternated, and so to keep the crossings; further ground spots may be all pure white, the twos above leading the spots in warps and wefts being fancy colours in span silk, which would produce a very beautiful pattern well worthy of notice. A careful finish, without much softening, would be requisite; 20 inches breadth out of the loom, where there is ample convenience in shuttle and dobby motions, colours and combinations of spot and checking be made without stint.

PEGGING PLAN FOR DESIGN A.

DRAFT FOR DESIGN A.