the size, the full diamond might be developed with the same number of shafts, viz. eight. This design, modified in various ways, will make an effective cotton design. As a fancy stripe, to combine with plain goods, this design proves very useful, but in future articles we shall dwell on this subject at length. We dismiss it, therefore, for the present.

AFRICAN, OR NIGER STRIPES.

Taking the African or Niger stripes, which at present, as I am informed, most of the Niger district is under the protection of Great Britain, the exports from Lancashire and other parts where these goods are made is not what it ought to be for such an important market. The present state of our foreign trade and the ground lost by our manufacturers, first in one place and then in another, demands an effort, at whatever cost, before it is too late. In this issue full details are given of a stripe which we believe, would take the fancy of the negro, and is well worth a trial. The full extent of the pegging plan is given to avoid mistakes: 8 shafts, 4 for plain cloth, 3 for stripes, 3000 yds, 2 and 4 in. a draft, 1,200 ends on 30 inches wide, all in a heald, 24's warp, 30's weft, 40 picks per inch, dark blue, one shuttle.:

Wrong and Dart:

<table>
<thead>
<tr>
<th>Description</th>
<th>Shaft Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 dark blue, 2 in. on a heald, on shafts 1 3 4 5 6 7 8</td>
<td>18</td>
</tr>
</tbody>
</table>

Total: 12, which will give 10 repeats.

White selvage and only half the above pattern at each side. The dark blue, one heald in a dent, the orange, two healds in a dent, and yellow in any of the fancy stripes, one shuttle. If the rib is required more bold and defined, a greater proportion of weft must be used, and so much must not be the only or final finish of the cloth if required. The particulars here given would make it applicable for ladies' and children's wear, or certain class of men's wear, etc., trimmings, etc. If made grey cotton, warp and weft, and uncut, bleached, or dyed and printed, any pattern, it would be suitable for the edges of dresses, being easily detached for cleaning purposes; the perpendicular lines of the rib would give a greater effect to the pictures, or any other ornamentation immediately above it, and for novelty, simplicity, and comfort would compare more than any other cloth. The finished finish or material used for wall coverings, and would last for years. It might also be used with advantage for stuffs, hangings, etc., curtains, and upholstery.

CORDED CLOTH.

A ribbed or corded cloth on 12 shafts straight over cradle, 12 to round, 80 ends per inch of 30's warp, 2 in a heald, grey, 2500 picks per inch of 2 fold 2/32 spun silk or 'Y' yarn in any of the fancy stripes, one shuttle. If the rib is required more bold and defined, a greater proportion of weft must be used, and so much must not be the only or final finish of the cloth if required. The particulars here given would make it applicable for ladies' and children's wear, or certain class of men's wear, etc., trimmings, etc. If made grey cotton, warp and weft, and uncut, bleached, or dyed and printed, any pattern, it would be suitable for the edges of dresses, being easily detached for cleaning purposes; the perpendicular lines of the rib would give a greater effect to the pictures, or any other ornamentation immediately above it, and for novelty, simplicity, and comfort would compare more than any other cloth. The finished finish or material used for wall coverings, and would last for years. It might also be used with advantage for stuffs, hangings, etc., curtains, and upholstery.

Designing.

NEW DESIGNS.

TWILLS.

As promised last week, we give in Design 72 to 74 examples of various sorts of small twills, etc., all on 16 shafts. Design 70 consists of a fine, forming the large twill, with a five and two twist running across the opposite direction. It will be noticed that the large twill moves one thread forward every three picks, therefore, one third more picks than threads will be required. Design 71 is a combination of the 2 pick twill, three and three rib, and a warp twill. Here the twill only moves one thread forward every three picks, and as many picks as threads are required. Design 73 consists of a four and two twill, and the two and two rib. Its construction is similar to the last, but it is not constructed on an altogether different basis, being entirely a mere variation of the foregoing. It is complete as given here, but may be made by means of a point draft and a pegging plan twice

Foreign News & Notes.

THE GERMAN WOOLEN INDUSTRY.

The winter trade which we have now left behind may be described as medium or important. The spring trade has commenced in a most satisfactory manner, and being good to our people, and for a time at least, competition with the productions of English labour will be based upon conditions which are equal to those that at present exist. There is little for us, as a nation, to change, as the Conference was mainly guided by the principles already embodied in the factory legislation of this country.
**TWEEDS, ETC.**

Design 75 is furnished for using in combination with colour. If colour be applied to a six-end twill in the following order:

1. 3 threads black, we shall obtain the effect shown in A. If the following be adopted:
2. 6 threads black, 6 white, the effect shown in B is developed. These effects, without the assistance of gradation, are hardly equivalent to produce large effects, even if the twill be reversed, as in Design 75, but if the colour contrast be stronger in one section than in the other, then a sufficiently marked effect is obtained.

For Design 75 the following will prove effective:

**Warp.**

| 3 threads 20 sk. black | Repeat for |
| 3 sk. white | 12 threads |
| 3 threads 20 sk. black | Repeat for |
| 3 sk. grey | 24 threads |

**Welt.**

All 20 sk. black or dark grey.

40 picks per inch.

The following colourings will prove effective:

**Pattern 1.**

| 3 threads clive, black, | Repeat for 12 threads |
| 3 sk. black | 12 threads |
| 3 sk. black and white | 12 threads |
| 3 sk. clive, brown, | Repeat for 18 threads |
| 3 sk. clive, black. | Repeat for 18 threads |

**Pattern 2.**

3 threads dark mastic, clive, black, repeat for 12 threads.

3 sk. clive, black, repeat for 12 threads.

3 sk. clive, black, repeat for 12 threads.

3 sk. clive, black, repeat for 12 threads.

3 sk. clive, black, repeat for 12 threads.

In Figure 16 we have developed on point paper a leaf which may be utilised in various ways. First, this figure will prove very effective for a figured cashmere, applied all over or only in striped form. Again, it suggests a form of plaiting which may be utilised for silk dress goods, in which ease every embellishment in the way of weave effect should be employed.