

other with Alizarin Bordeaux on a Chrome mordant. In both cases no signs of the mildew were apparent after dyeing, but after drying light places showed themselves. The conclusions the author arrives at are the following:

1. Mildew is the effect of a form of bacteria. 2. The mildew bacteria is very susceptible to dilute acids either inorganic or organic. 3. Pieces dyed in acid baths will not mildew before the acid is washed out. 4. Pieces dyed in an acid bath, which show mildew spots after dyeing, were mildewed before dyeing. 5. Mildew is most rapidly developed on indigo-dyed pieces which are slightly alkaline. 6. Indigo is actually destroyed by the bacteria of mildew, and the light patches in mildewed indigo pieces are due in part if not entirely to this. 7. Many dyestuffs, such as Methylene blue, act as antiseptics to mildew, so that goods even in an alkaline condition, if dyed with such colors, do not develop mildew.

In a supplementary article, the author gives results of experiments made with Methylene Blue, Methyl Violet, Magenta, Safranin, Malachite Green, and Auramine, showing that Methylene Blue, Malachite Green, and Safranin entirely prevent mildew, which cannot consequently be developed upon goods dyed with these colors. On material dyed with Methyl Violet a very slight development of mildew took place, whilst on material dyed with Magenta or Auramine the mildew was strongly developed, and its ravages on the fibre easily visible to the eye, the Magenta being almost decolorized on the parts infected, whilst the shade of the Auramine was unaffected.—W. Kalmann, in *Hosiery Trade Journal*.

THE TEXTILE TRADE OF ALMONTE.

The Almonte Gazette publishes an interesting report on the manufactures and trade of the town, from which the following extracts are taken: Our townspeople have also been well employed, and the output of our mills has been large and profitable with one exception. The product of the Rosamond Woolen Co. is this year below the average, which the management claim to be due to the competition of British woolens admitted under the preferential tariff.

Last year there were shipped over the C.P.R. from Almonte 1,335,000 yards woolen and worsted cloths and flannels, valued at \$427,000, and knitted goods to the value of \$262,560.

The output of the several factories is as follows:

Jas. H. Wylie, Limited:	
450,000 yards of flannel, valued at.....	\$ 82,000 00
Wm. Thoburn:	
385,000 yards flannel.....	70,000 00
Rosamond Woolen Co., Limited:	
500,000 yards woolen and worsted cloth.....	275,000 00
Almonte Knitting Co., Limited:	
Underwear, sweaters, etc.	130,000 00
Anchor Knitting Co., Limited:	
Underwear, hosiery, etc.	132,500 00
Total	\$689,500 00

—A great deal of cotton machinery is idle in New England cotton manufacturing towns, such as Fall River, Biddeford, Holyoke, Burlington. The cause is not altogether due to scarcity of cotton, but in some cases owing to the war between Japan and Russia, some of these mills being devoted to cloth for the Chinese and Japanese markets, which may be temporarily closed by hostilities.

Textile Design

DESIGNS IN FANCY TWEEDS.

Fancy Tweeds.—These still remain very rich in coloring and simple in weave. The novelty consists either in the mix-



Fig. A.

ture yarns used, or in the methods of warping or weaving. The style illustrated, Fig. A, is suggestive of the lines of pattern being developed in these textures.

Warp.

- 1 thread of orange.
- 2 threads " black.
- 1 thread " green and white twist.
- 3 threads " black.
- 1 thread " green and white twist.
- 2 { 3 threads " dark green.
- 1 thread " white.
- 1 thread " orange.
- 2 threads " black.
- 1 thread " green and white twist.
- 3 threads " black.
- 1 thread " green and white twist.
- 2 { 3 threads " dark green.
- 1 thread " white.
- 3 threads " dark green.
- 1 thread " white.
- 2 { 3 threads " black.
- 1 thread " green and white twist.
- 3 threads " black.
- 1 thread " green and white twist.
- 3 threads " black.
- 2 { 1 thread " green and white twist.
- 3 threads " dark green.
- 1 thread " white.
- 2 { 3 threads " dark green.
- 1 thread " white.
- 3 threads " black.
- 1 thread " green and white twist.