

spread appreciation. For new shade card No. 605, 1897, and samples, apply to the Dominion Dyewood and Chemical Co., Toronto.

LACTIC ACID has the advantage over tartar and oxalic acid, that in presence of sulphuric acid it is a much stronger reducing agent. A lactic acid mordant bath exhausts better than a bath with tartar and oxalic acid, and thus a considerable saving in chrome is effected. Shades dyed on this mordant are fuller and somewhat faster to milling.

Shades dyed on 2.65 per cent lactic acid, 1.35 per cent. bichrome, 1 per cent. conc. sulphuric acid are decidedly fuller than shades dyed on the following mordants (1) 3 per cent. bichrome, 2½ per cent tartar, or, (2) 3 per cent. bichrome, 2 per cent. oxalic; or, (3) 3 per cent. fluor chrome, 1 per cent. oxalic acid.

Blue dyestuffs, besides showing greater intensity on a lactic mordant, are slightly

redder in tone, which is, however, not an objection. With lactic acid the addition of sulphuric acid is absolutely essential. The Farbenfabriken of Elberfeld, Germany, have recently put upon the market a technical brand of lactic acid of great purity, free from iron and glutinous matter, which is (as every dyer knows) of vital importance to the production of clear, pure shades. Samples, comparative tests, circulars, and any recent information on lactic acid and its application will be forwarded gratis by The Dominion Dyewood and Chemical Co., Toronto, sole agents in Canada for Farbenfabriken vorm. Friedr. Bayer & Co., of Elberfeld, Germany.

PRUSOL BLACK SS. is a new dye-stuff, very fast to light, and cheap in price. This color is very suitable for dyeing a deep black in combination with acid green, yellow or orange, and also for producing the well-known Aachen brilliant blue, a dark navy blue, in combination with an acid violet, or

other blue coloring matter. Cotton threads are, in the dye bath, stained, but on continued boiling become clear. Dye with 3 per cent. acetic acid and 10 per cent. glauber's salt, enter goods at 120 F., and bring gradually to boil. In order to completely exhaust, add at intervals 1 to 3 per cent. sulphuric acid.

PLUTO BLACK, B. R. A. G. These three new brands of cotton blacks pluto black, B., R., and G., brought out a month ago by the Farbenfabriken, were introduced by the distribution of small dyed skeins. A pattern card has now been prepared with great care, which shows the comparative value and proper mode of application. These colors are of especial use for suitings, on account of their excellent fastness to light. In this respect they surpass the well-known Direct Blacks. For new pattern card No. 604, 1897, giving full information, apply to The Dominion Dyewood and Chemical Co., Toronto.

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