

UNITED STATES PATENT OFFICE.

MARTIN BÖHLER, OF WILHELMSBAD, GERMANY, ASSIGNOR TO CASSELLA COLOR COMPANY, OF NEW YORK, N. Y.

MANUFACTURE OF MULTICOLORED FABRICS.

No. 904,752.

Specification of Letters Patent.

Patented Nov. 24, 1908.

Application filed September 21, 1907. Serial No. 393,977.

To all whom it may concern:

Be it known that I, MARTIN BÖHLER, a citizen of Prussia, German Empire, and residing at Wilhelmsbad, in the district of Hanau, Germany, have invented certain new and useful Improvements in the Manufacture of Multicolored Fabrics, of which the following is a specification.

Hitherto dyed cotton goods containing differently colored wool effect threads could only be produced by very complicated methods. I have now discovered that excellent effects can be obtained if the material consisting of cotton and wool is subjected to a preliminary treatment with formaldehyde and tannin, and then dyed in a cold or lukewarm bath with sulfid colors. When proceeding in this manner the coloring matter is absorbed by the cotton only, the wool remaining colorless; the latter may then be dyed with acid colors to any desired shade.

The method of working is illustrated by the following example: Treat the material which should be well washed and may also be mercerized for one hour in a boiling hot bath containing 20 to 25 grams formaldehyde and 2 to 5 grams tannic acid per liter of water, then rinse and dye in a cold or lukewarm dye bath prepared with the necessary sulfid color which has been dissolved

with the addition of sodium sulfid and glucose. Prepare for instance a liquor with 20-30 grams immedial black NNG conc. (katigene black, sulfur black, etc.), 20-30 grams sodium sulfid crystals, 40-60 grams glucose, 2 grams soda ash, 2 grams Turkey-red oil, 5-20 grams Glauber salt, 1 liter water, boil for about 10 minutes and allow to cool to 20-40° C. Dye at this temperature for about $\frac{1}{2}$ hour, squeeze well and rinse thoroughly.

If it be desired to produce colored wool effects instead of white ones, the wool may be dyed with suitable dyestuffs before or after dyeing the cotton.

Having now described my invention and the manner in which it may be carried out, what I claim is:—

The process of making multi-colored fabrics by subjecting material consisting of cotton and wool to a preliminary treatment with formaldehyde and tannin and subsequently dyeing with a sulfid color.

In witness whereof I have hereunto signed my name this 6th day of September 1907, in the presence of two subscribing witnesses.

MARTIN BÖHLER.

Witnesses:

JEAN GRUND,
CARL GRUND.