

RECIPTS FOR DYEING.

GENERAL INSTRUCTIONS.—Everything should be clean. The goods should be scoured in soap and the soap rinsed out. They are often steeped in soaplye over night. Dip them into water just before putting them into dye bath, to prevent spotting. Soft water should be used, *sufficient to cover the goods well—this is always understood where quantity is not mentioned.* When goods are dyed, air, rinse well and hand up to dry. Do not wring merino dresses when scouring or dyeing them. If cotton goods are to be dyed a light color, they should first be bleached.

WOOLLEN GOODS.

CHROME BLACK—BEST IN USE.—For five pound goods, blue vitriol, six ounces; boil a few minutes, then dip goods three-fourths hour, airing often; take out goods, make a dye with three pounds logwood, boil one-half hour, dip three-fourths hour and air goods, and dip three-fourths hour more. Wash in strong suds. This will not fade by exposure to sun.

WINE COLOR.—For five pounds goods, camwood, two pounds; boil fifteen minutes and dip goods one-half hour; boil again and dip one-half hour; then darken with blue vitriol, one and one-half ounce; if not dark enough add copperas, one-half ounce.

SCARLET—VERY FINE.—For one pound goods, cream-tartar, one-half ounce; cochineal, well pulverized, one-half ounce; muriate of tin, two and one-half ounces, boil up the dye and enter the goods; work them briskly for ten or fifteen minutes, then boil one and one-half hour, stirring goods slowly while boiling. Wash in clear water and dry in the shade.

PINK.—For three pounds goods, alum, three ounces; boil and dip the goods one hour; then add to the dye, cream-tartar, four ounces; cochineal, well pulverized, one ounce; boil well and dip the goods while boiling until the color suits.

BLUE—QUICK PROCESS.—For two pounds goods, alum, five ounces; cream-tartar, three ounces; boil goods in: this one hour, then put goods into warm water which has more or less extract of indigo in it, according to the depth of color desired, and boil again until it suits, adding more of the blue if needed.

MADDER RED.—To each pound of goods, alum, five ounces; red, or cream-tartar, one ounce. Put in goods and bring kettle to a boil for one-half hour, then air them and boil for one-half hour longer; empty kettle and fill with clean water; put in bran, one peck; make it milk warm, and let it stand until bran rises, then skim off the bran and put in one-half pound madder; put in goods and heat slowly until it boils and is done. Wash in strong suds.

GREEN.—For each pound of goods, fustic, one pound; with alum, three and one-half ounces; steep until strength is out, and soak goods therein until a good yellow is obtained; then remove the chips and add extract of indigo or chemic, one tablespoonful at a time until color suits.

SNUFF BROWN—DARK.—For five pounds goods, camwood, one pound; boil it fifteen minutes, then dip goods three-fourths hour; take out goods and add to the dye two and one-half pounds fustic; boil ten minutes and dip three-fourths hour; then add blue vitriol, one ounce; copperas, four ounces; dip again one-half hour. If not dark enough, add more copperas.

ORANGE.—For five pound goods, muriate of tin, six tablespoons; argal, four ounces; boil and dip one hour, and add again to the dye one teacup madder; dip again one-half hour. Cochineal, about two ounces, in place of madder, makes a much brighter color.

YELLOW—RICH.—Work five pounds goods one-half hour in a boiling bath with three ounces bichromate of potassa and two ounces alum; lift and expose till well cooled and drained, then work one-half hour in another bath with five pounds fustic. Wash out and dry.

SALMON.—For each pound goods, one-fourth pound annatto; one-fourth pound soap; rinse goods in warm water, put them into mixture and boil one-half hour. Shade will be according to amount of annatto.

PURPLE.—For each pound goods, two ounces cudbear; rinse goods well in soap suds, then dissolve cudbear in hot suds—not quite boiling—and soak the goods until of required color. The color is brightened by rinsing in alum water.

CRIMSON.—Work for one hour in a bath with one pound cochineal paste; six ounces dry cochineal; one pound tartar; one pint protochloride of tin. Wash out and dry.

COTTON GOODS.

BLACK.—For five pounds goods, boil them in a decoction of three pounds sumach one-half hour, and steep twelve hours; dip in lime water one-half hour; take out and let them drip one hour; run them through the lime water again fifteen minutes. Make a new dye with two and one-half pounds of logwood (boiled one hour), and dip again three hours; add bichromate potash, two ounces, to the logwood dye, and dip one hour. Wash in clear cold water and dry in the shade. Only process for permanent black.

SKY BLUE.—For three pounds goods, blue vitriol, four ounces; boil a few minutes, then dip goods three hours; then pass them through strong lime water. A beautiful brown can be obtained by next putting goods through a solution of prussiate of potash.