

pounds goods, blue
dip goods three-
e a dye with three
e-fourths hour and
wash in strong suds.

ood, two pounds ;
r ; boil again and
one and one-half
alf ounce.

cream-tartar, one-
ounce ; muriate
ye and enter the
es, then boil one
boiling. Wash in

ounces ; boil and
ream-tartar, four
oil well and dip

oods, alum five
this one hour,
e or less extract
sired, and boil
ed.

n, five ounces ;
bring kettle to
one-half hour
t in bran one
an rises, then
; put in goods
strong suds.
pound ; with
h is out, and
then remove
ablespoon at

mwood, one
fourths hour ;
pounds fus-
en add blue

vitriol, one ounce ; copperas, four ounces ; dip again one-half hour. If not dark enough add more copperas.

Another method—Any Shade.—Boil goods in a mordant of alum, two parts ; copperas, three parts ; then rinse them through a bath of madder. The tint depends on the relative proportions of the copperas and alum ; the more copperas the darker the dye. Joint weight of both should not be more than one-eighth of weight of goods. Mixtures of reds and yellows with blues and blacks, or simple dyes, will make any shade.

Orange.—For five pounds goods, muriate of tin, six table-spoons ; 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.

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.

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.

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.

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.

Dove and Slate Colors of all Shades.—Boil in iron vessel a teacup of black tea with teaspoon of copperas and sufficient water. Dilute till you get the shade wanted.

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