

UNITED STATES PATENT OFFICE.

ARTHUR G. PEUCHEN, OF TORONTO, ONTARIO, CANADA.

PAINT COMPOUND OR MIXTURE FOR ROOFS AND OTHER PURPOSES.

SPECIFICATION forming part of Letters Patent No. 280,856, dated July 10, 1883.

Application filed November 7, 1882. (No specimens.)

To all whom it may concern:

Be it known that I, ARTHUR G. PEUCHEN, of the city of Toronto, in the county of York, Province of Ontario, and Dominion of Canada, have invented certain new and useful Improvements in Paint Compounds or Mixtures for Roofs and Other Purposes, of which the following is a full, clear, and exact description.

This invention has for its object the production of a fire and water proof paint which, although applicable to other purposes or uses, is more especially designed for painting roofs, and which has the following among other advantages: It is a thorough protection against ignition of a roof from burning embers, prevents the shingles of a shingled roof from decaying, and can be manufactured at very much less cost than lead and oil paint, and will be much more durable applied to a shingled roof, and, if put on hot, will penetrate deeply into the wood or shingles of the roof. It likewise prevents leakage to a great extent, and may be made to dry with a gloss.

The compound has for its ingredients petroleum-tar, cod-oil, resin-oil, lime-water, pulverized copper, ground alum, china clay or earth, and glue, to which may be added Venetian red to give the paint a brown color, or which may be omitted, when the paint will be of a black or dark slate-color, having a fine finish or gloss. Other coloring-matter may be added in place of the Venetian red, if desired.

To prepare the compound in quantities—say

of about or a little over two (2) gallons each—I mix the several ingredients hereinbefore named in or about in the following proportions: petroleum-tar, half ($\frac{1}{2}$) a gallon; lime-water, in which is dissolved one pound of lime, one-quarter ($\frac{1}{4}$) gallon; cod-oil, one-quarter ($\frac{1}{4}$) gallon; resin-oil, one (1) gallon; Venetian red, three (3) pounds; pulverized copper, one (1) ounce; ground alum, one (1) ounce; glue, two (2) ounces; china clay or earth, one (1) pound. These several ingredients are placed, one after the other, in any suitable mixer and well mixed, after which they are run through a sieve or mill, when the compound will be ready for use.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The herein-described paint compound, consisting of petroleum-tar, cod-oil, lime-water, resin-oil, pulverized copper, ground alum, glue, and china clay or earth, in or about in the proportions specified and with or without coloring-matter.

2. The within-described paint compound, consisting of Venetian red mixed with petroleum-tar, cod-oil, lime-water, resin-oil, pulverized copper, ground alum, glue, and china clay or earth, substantially as and in or about in the proportions specified.

ARTHUR G. PEUCHEN.

Witnesses:

GEORGE BELL,

E. DOUGLAS ARMOUR.