

UNITED STATES PATENT OFFICE.

ALBERT SORG AND FRANKLIN D. PHILLIPS, OF ANN ARBOR, MICHIGAN.

PAINT.

SPECIFICATION forming part of Letters Patent No. 289,868, dated December 11, 1883.

Application filed August 24, 1883. (No specimens.)

To all whom it may concern:

Be it known that we, ALBERT SORG and FRANKLIN D. PHILLIPS, citizens of the United States, residing at Ann Arbor, in the county of Washtenaw and State of Michigan, have invented a new and useful composition of matter to be used in coating over or painting any inflammable material, thereby rendering it both fire and water proof, of which the following is a specification.

Our composition consists of the following ingredients, combined in the proportions stated, viz: coal-tar, fifty gallons; sulphur, fifty pounds; hematite, (iron ore,) fifty pounds; litharge, ten pounds; alum, ten pounds; salt, twenty pounds; asphaltum, three pounds. All the dry ingredients are to be pulverized before using. When desiring to apply the composition, the pulverized ingredients are mixed with the coal-tar in a large kettle, and then boiled for at least one hour, stirring occasionally, when it is to be applied hot with a brush to the article or substance to be rendered fire-proof.

By the use of this paint shingle-roofs are not only made fire and water proof, but the wood itself is preserved from the decaying influence of moisture and heat, and this refers equally to all exposed wood-work. It is equally

valuable not only in curing leaky metal or even slate roofs, but also in preserving all exposed tin or iron from the corroding influence of rust. In fine, it is invaluable for any purpose where destruction from fire or the exclusion of water is the object sought.

We are aware that paints composed of some of the same ingredients have been heretofore used for like purposes, especial reference being to Patent No. 268,382, issued to Henry H. Beers, December 5, 1882, in which coal-tar, hematite, sulphur, and alum are among the ingredients of the composition claimed, and whose exclusive use we hereby disclaim; but we are not aware that all the ingredients of our composition in proportions stated have been used together heretofore.

What we claim, and desire to secure by Letters Patent of the United States, is—

The herein-described composition of matter to be used for the purposes specified, consisting of coal-tar, sulphur, hematite, litharge, alum, salt, and asphaltum, substantially in the proportions specified.

ALBERT SORG.

FRANKLIN D. PHILLIPS.

Witnesses:

EDWARD S. GRACE,

WILLIAM F. ATKINSON.