

UNITED STATES PATENT OFFICE.

LEVI HAAS, OF CHESTER, PENNSYLVANIA.

CONCRETE COMPOUND FOR PAVING STREETS, WALKS, &c.

SPECIFICATION forming part of Letters Patent No. 297,791, dated April 29, 1884.

Application filed December 21, 1883. (No specimens.)

To all whom it may concern:

Be it known that I, LEVI HAAS, a citizen of the United States of America, residing at Chester, in the county of Delaware and State of Pennsylvania, have invented certain new and useful Improvements in Concrete Compounds, of which the following is a specification.

My invention pertains to an improvement in the process of making concrete compounds designed as material for paving streets and walks and water-proof floors for the production of tiling, the manufacture of suitable blocks and bricks for building walks, and for all the purposes for which such compounds are usually employed.

In carrying out my invention I take about ninety per cent. of furnace-slag, and add to the same equal quantities of gravel, Portland cement, the metallic screenings from washed ores, glass cinders, and wood and coal ashes, making a total mass of one hundred per cent. of dry material. To these materials I add a sufficient quantity of Trinidad asphaltum and coal-tar pitch in equal quantities to form a solidified mass when subjected to heat, and heat and thoroughly blend these materials into a homogeneous compound.

In the production of ornamental tiles and brick, and when the concrete is designed for

ornamental purposes, I add a suitable quantity of coloring-matter, and produce the coloring-matter by pulverizing colored refuse slate obtained at slate-quarries, and also by pulverizing brick. These materials thus treated result in the production of a compound which, when cooled, is very durable, and both elastic and hard.

Having thus described my invention, what I claim is—

1. A concrete compound composed of furnace-slag, gravel, Portland cement, metallic screenings obtained by washing ores, glass cinders, wood and coal ashes, Trinidad asphaltum, and coal-tar pitch in the proportions substantially as described.

2. A concrete compound for the manufacture of tile and ornamental brick, composed of furnace-slag, gravel, Portland cement, metallic screenings obtained by washing ores, glass cinders, wood and coal ashes, Trinidad asphaltum, and coal-tar pitch, and refuse slate for coloring-matter, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

LEVI HAAS.

Witnesses:

EDMUND JONES,
W. I. SCHAFFER.