

UNITED STATES PATENT OFFICE.

JOHN G. KETEHAM, OF COLDWATER, MICHIGAN.

PAVING COMPOSITION.

SPECIFICATION forming part of Letters Patent No. 277,743, dated May 15, 1883.

Application filed December 12, 1882. (No specimens.)

To all whom it may concern:

Be it known that I, JOHN G. KETEHAM, a citizen of the United States of America, residing at Coldwater, in the county of Branch and State of Michigan, have invented certain new and useful Improvements in Paving Compositions; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain new and useful improvements in paving compositions; and it consists in the combination of the elements hereinafter set forth, and pointed out in the claim.

In utilizing my invention for a pavement the foundation is first laid, which may consist of stone or other suitable material, over which is laid a coating of asphalt, or coal-tar and pitch, and sand or gravel. On the top of this foundation, after the same has been thoroughly rolled, is laid my improved composition, which makes the surface of the pavement; and it consists in the following ingredients, in about these proportions, to wit: To one barrel of coal-tar add one-fourth of a barrel of pitch, one pint of liquid asphalt, four gallons of benzine, one pound of pulverized alum, one pound

of sulphate of iron, and two pounds of burnt umber. When these ingredients are thoroughly incorporated with the tar, I add to the same about one quart (more or less) of unslaked lime. These ingredients are mixed with each other in any well-known manner by the agency of heat, and while hot are spread upon the foundation and rolled or otherwise smoothed, after which a coating of sand is spread over this top-dressing.

The hereinbefore - described composition forms a surface that is durable and which is not slippery, and in appearance resembles sandstone.

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

The improved composition for a surface for a pavement, consisting of tar, pitch, asphalt, benzine, alum, sulphate of iron, burnt umber, and lime, incorporated with each other in about the proportions specified.

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

JOHN G. KETEHAM.

Witnesses:

L. G. OSBORN,
J. CLARK PIERCE.