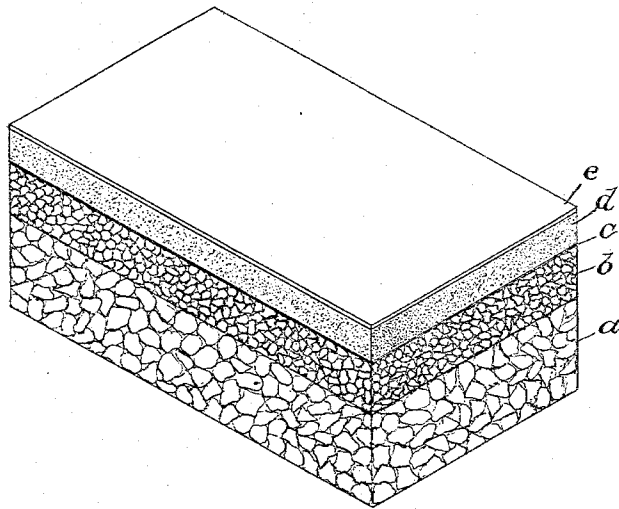


(No Model.)

H. G. GETCHELL.
CONCRETE PAVEMENT.

No. 531,793.

Patented Jan. 1, 1895.



Witnesses
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UNITED STATES PATENT OFFICE.

HATHON G. GETCHELL, OF ST. JOSEPH, MISSOURI.

CONCRETE PAVEMENT.

SPECIFICATION forming part of Letters Patent No. 531,793, dated January 1, 1895.

Application filed April 1, 1893. Serial No. 468,630. (No specimens.)

To all whom it may concern:

Be it known that I, HATHON G. GETCHELL, of St. Joseph, in the county of Buchanan and State of Missouri, have invented certain new and useful Improvements in Concrete Pavements, &c.; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to letters of reference marked thereon, which forms a part of this specification.

My invention consists in a pavement having a special construction, and which is adapted for road ways.

The accompanying drawing serves to illustrate my improved pavement, the under layer of coarse stone being shown at *a*, the next layer at *b*, the composition coating or dressing, hereinafter described, at *c*; and *d* indicates the special composition placed above the whole. *e* represents a top finish.

In practicing my invention, when making a pavement, I proceed as follows: First, I lay a course of broken limestone or other suitable stone or like material, in coarse pieces of a size suitable for the particular place or purpose, preferably in ordinary cases of say six inches in thickness, though the essential feature as to size is that it shall afford a good foundation for the layers above it, and this layer I then roll and press down by means of a steam or other roller in any well-known manner; second, upon such stone bed or foundation I next place a course of native gravel, or other proper material of a size not to exceed say two inches in diameter, and make this course preferably about three inches in depth, and then roll it also, by means of a steam or other roller; third, I then spread over this a liquid or semi-liquid dressing, composed of

coal tar, pitch, and asphalt, and which may be spread thereon in any suitable manner; fourth, on top of this dressing I place a composition, of preferably two inches in depth or thickness, this composition being made of say, five (5) parts of coal tar, five (5) parts of pitch, five (5) parts of asphalt, fifty (50) parts of flint or other suitable hard stone, and thirty-five (35) parts of crushed limestone or other appropriate stone,—this composition to be put on either hot or cold, as may be necessary, dependent on the weather, and then rolled; fifth, I then add a top finish of sand, limestone dust, or flint screenings, also rolled in.

I claim—

1. A concrete pavement having in combination with a lowermost layer of coarse stone, and with a thinner layer of finer stone or gravel surmounted by a water-proof dressing spread thereon,—a composition placed upon such dressing and composed of coal-tar, pitch, asphalt, flinty stone and crushed limestone, in substantially the relative proportions set forth; and a suitable top finish, all as shown and described.

2. A concrete pavement having in combination, a lowermost layer as described of broken limestone or like material,—above it a layer or course of native gravel,—a dressing on such second layer composed of coal tar, pitch, and asphalt serving as a water-proof covering thereon,—a composition laid upon such dressing consisting of five parts of coal tar, five parts of pitch, five parts of asphalt, fifty parts of flinty stone, and thirty-five parts of crushed limestone or its described equivalent,—and a top-finish of limestone dust or its described equivalent.

HATHON G. GETCHELL.

Witnesses:

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