

(No Model.)

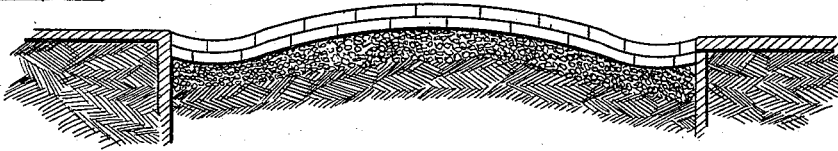
G. S. LEE.

COMPOSITION OF MATTER FOR PAVEMENTS, &c.

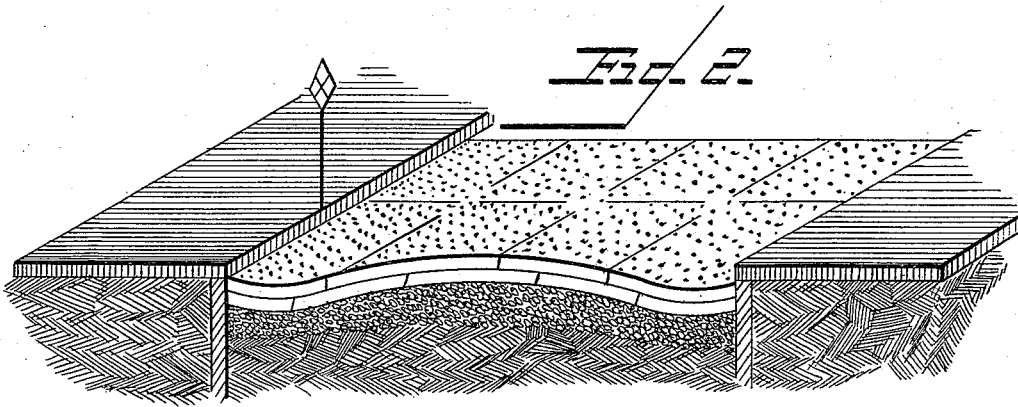
No. 490,667.

Patented Jan. 31, 1893.

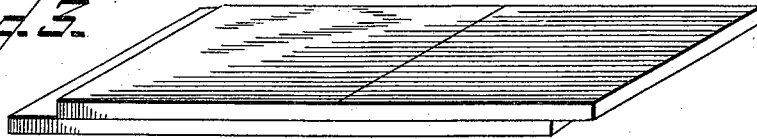
*Fig. 1*



*Fig. 2*



*Fig. 3*



*Fig. 4*

WITNESSES

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# UNITED STATES PATENT OFFICE.

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## COMPOSITION OF MATTER FOR PAVEMENTS, &c.

SPECIFICATION forming part of Letters Patent No. 490,667, dated January 31, 1893.

Application filed January 30, 1892. Serial No. 419,845. (No specimens.)

### *To all whom it may concern:*

Be it known that I, GEORGE S. LEE, a citizen of the United States, residing at Hawthorne, in the county of Passaic, in the State of New Jersey, have invented certain new and useful Improvements in a Composition of Matter for Pavements and Sidewalks; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form a part of this specification, for a more explicit understanding thereof.

My invention relates to new and improved material for paving and surfacing streets, sidewalks, cellars &c.

The object of my invention is to provide a suitable material for paving which will be impervious to moisture, and sufficiently durable to withstand the wear and tear of horses' feet and vehicles.

In the accompanying drawings. Figure —1— is a sectional view of a pavement or sidewalk laid upon concrete. Fig —2— is a perspective view of a pavement or sidewalk laid upon concrete. Fig. —3— is a sectional view of two of the slabs represented in Fig. —2—. Fig. —4— indicates the paving slab provided with end flanges and offsets —b— to receive and support the adjacent slabs.

The slabs or blocks are composed of a compound consisting of asphaltum, five per cent. of distilled coal tar, ten per cent. of residuum of petroleum, with eighty per cent. of dis-

tegrated paper or wood pulp, and five per cent. of air slaked lime, and surfaced with finely granulated rock, sand or quartz.

The bricks, slabs, or blocks, made of the compound described, are subjected to a heavy pressure in suitable molds, in order to compress the same into a solid mass.

The surfacing of granulated rock, sand or quartz, employed is principally to obviate any smoothness that may be obtained by the great pressure given and the extreme hardness secured.

I do not limit myself to the form to which my composition is to be formed, as it may be in the form of brick slabs, for sidewalks, cellars, &c. or in blocks for street pavements, or laid in bulk and compressed (in sheets of varying thickness) by use of heavy rollers.

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

A composition for paving and the like, consisting of asphaltum, distilled coal-tar, residuum of petroleum, disintegrated paper or wood pulp and air-slaked lime, substantially as specified.

In testimony that I claim the foregoing as my invention I have hereunto set my hand this 25th day of January, A. D. 1892.

GEORGE S. LEE.

Witnesses:

SAML. H. BATES,  
M. J. LEE.