

UNITED STATES PATENT OFFICE.

GABRIAL BOGNAR AND ALEXANDER TOTH, OF PERTH AMBOY,
NEW JERSEY.

COMPOSITION OF MATTER FOR USE AS PAVING MATERIAL.

No. 845,508.

Specification of Letters Patent.

Patented Feb. 26, 1907.

Application filed November 21, 1906. Serial No. 344,524.

To all whom it may concern:

Be it known that we, GABRIAL BOGNAR and ALEXANDER TOTH, citizens of the United States, and residing at Perth Amboy, in the county of Middlesex and State of New Jersey, have invented a certain new and useful Composition of Matter for Use as Paving Material, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

Our composition consists of the following ingredients combined in the proportions and in the manner specified: bitumen, asphalt, or pitch, two parts; sand, eight parts; finely-ground earthy material, four parts; lime, five parts. In preparing this composition for use as paving material the bitumen, asphalt, or pitch is heated and dissolved in a suitable receptacle in the usual manner, and when in this condition the other materials are thoroughly mingled therewith, and when this is done the composition or substance is in condition for use and may be carted or hauled in any way to the point where it is to be applied for paving purposes, and in practice the said composition or paving material is preferably placed on a concrete foundation, on which it is spread and rolled or compressed in the manner of making ordinary asphalt pavement, and in practice the surface of the pavement may be covered with sharp or coarse sand to prevent the pavement from being too slippery.

The earthy material referred to is preferably clay ground fine, and in mingling the clay

so ground and the sand and lime, as hereinbefore described, the said clay, sand, and lime should be first thoroughly mixed or mingled and the product thus formed thoroughly mixed or mingled with the bitumen, asphalt, or pitch in a liquid condition.

This material may be employed in making ordinary street pavements and also sidewalks, and the pavement made of this material will be much more durable and permanent and much less liable to need repair than ordinary asphalt or similar pavements and will not be affected by heat or made soft by the sun's rays and is also waterproof. Pavement made by means of this material also presents a better appearance than ordinary asphalt pavement, will not seam, break, or crack, and presents a smooth board-like surface and is also comparatively noiseless.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The herein-described composition of matter for use as paving material, consisting of bitumen two parts, sand eight parts, ground earthy material four parts, lime five parts, substantially as described.

In testimony that we claim the foregoing as our invention we have signed our names, in presence of the subscribing witnesses, this 17th day of November, 1906.

GABR. BOGNAR.
ALEXANDER TOTH.

Witnesses:

GEO. W. EGGERT.
JOHN HAURRU.