

UNITED STATES PATENT OFFICE.

JAMES S. WETHERED, OF NEW YORK, N. Y.

IMPROVEMENT IN COMPOSITION FOR PAVING-BLOCKS.

Specification forming part of Letters Patent No. **195,318**, dated September 18, 1877; application filed June 25, 1877.

To all whom it may concern:

Be it known that I, JAMES S. WETHERED, of the city, county, and State of New York, have invented a new and Improved Composition for Paving Blocks, of which the following is a specification:

This invention relates to a compound for paving-blocks and other purposes; and it consists in a composition formed by mixing pulverized slag with asphaltum and heavy petroleum or other non-drying oils.

In carrying out my invention I take seventeen parts of asphaltum (Trinidad preferred) and subject it to a slow heat until it becomes liquid. I then add three parts of heavy petroleum or other fixed oil, and thoroughly mix them together, and while this mixture is still hot I add eighty parts of broken, granulated, or pulverized iron or other slag, or its equivalent, which has been previously heated. I then, by aid of suitable machinery, thoroughly incor-

porate the ingredients while in a heated state, and form the composition into blocks, which I subject to heavy pressure in molds.

I do not confine myself to the exact proportions herein stated, as the proportion of oil may be varied to suit the quality of the asphaltum, the oil being one of the most essential ingredients, as it renders the block elastic and durable.

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

A compressed block formed of seventeen parts of asphaltum, three parts of mineral oil, and eighty parts of pulverized iron-slag, as described.

JAMES S. WETHERED.

Witnesses:

C. SEDGWICK,
ALEX. F. ROBERTS.