

UNITED STATES PATENT OFFICE.

EDWARD M. MCCOOK, OF RIVERSIDE, CONNECTICUT, AND WILLIAM P. SEAL,
OF CHICAGO, ILLINOIS.

COMPOSITION FOR ROOFING.

SPECIFICATION forming part of Letters Patent No. 505,531, dated September 26, 1893.

Application filed February 16, 1893. Serial No. 462,630. (No specimens.)

To all whom it may concern:

Be it known that we, EDWARD M. MCCOOK, residing at Riverside, in the county of Fairfield and State of Connecticut, and WILLIAM P. SEAL, residing at Chicago, in the county of Cook and State of Illinois, citizens of the United States, have invented certain new and useful Improvements in Compositions for Roofing, Paving, &c.; and we do 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.

The essential ingredients of our composition are combined in substantially the proportions stated viz: one half ($\frac{1}{2}$) ton of coal-tar pitch, one (1) ton of geyserite or of marl, and four (4) gallons of anthracine oil. The above proportions constitute a composition suitable for roofing and many other analogous purposes; if it is desired to employ the composition where it will come in contact with acids, the addition of a small quantity of crushed and pulverized argillaceous rock, will render the composition proof against the decomposing effect of acids. It may then be used in the construction of battery cells, and for many other analogous purposes. The proportion of argillaceous rock to be added, for the purpose of rendering the composition acid proof, will of course depend upon the particular use to which it is to be put, as will be readily understood by those skilled in the arts in which it is to be employed. For use in paving, sand, or gravel, or both together are added in such proportions as are needed in different classes of work.

It should be understood, that to make the material harder or softer, a smaller or larger

quantity of the anthracine oil must be used; also as the character of the coal-tar pitch often differs, a smaller or larger quantity of the geyserite, or of the marl would be used to produce the necessary quality.

The ordinary proportion of sand or gravel, or both together, would be about one and one quarter ($1\frac{1}{4}$) yards (cubic) to one and one half ($1\frac{1}{2}$) tons of coal-tar pitch, geyserite or of marl, and four (4) gillons of anthracine oil, combined in the proportions before stated. These ingredients are to be thoroughly mixed, by melting the coal-tar pitch, and after adding the other ingredients, mingling them by agitation.

What we claim, and desire to secure by Letters Patent of the United States, is—

1. A composition of matter for use in roofing, paving &c., consisting of coal-tar pitch, anthracine oil, and geyserite, in proportions substantially as specified.

2. A composition of matter consisting of coal-tar pitch, anthracine oil, geyserite, and argillaceous rock, substantially in the proportions and for the purposes specified.

3. A composition of matter consisting of coal-tar pitch, anthracine oil, geyserite, and sand or gravel, substantially in the proportions and for the purposes set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

EDWARD M. MCCOOK.
WM. P. SEAL.

Witnesses for Edward M. McCook:

ARTHUR BROWNING,
WILL T. NORTON.

Witnesses for William P. Seal:

FRED R. WALKER,
CHARLES EDWD. STARR.