

A. & I. Straub,
Concrete Pavement,
No. 40,651, Patented Nov. 17, 1863

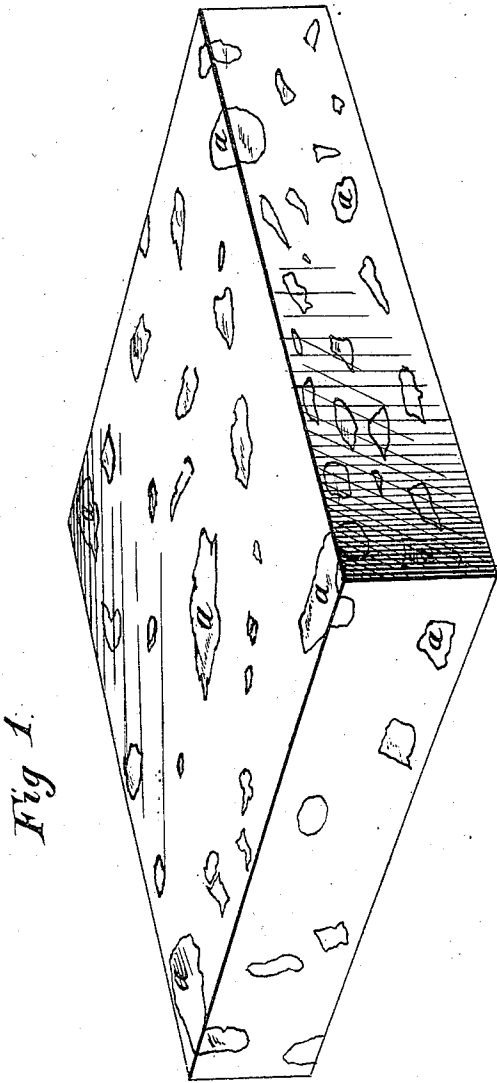


Fig. 1.

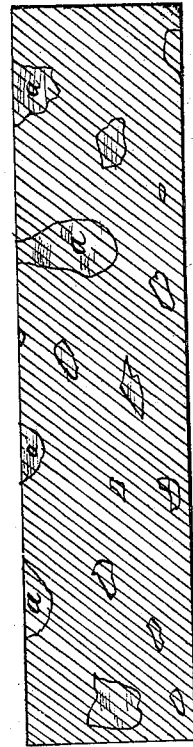


Fig. 2.

WITNESSES:

R. T. Campbell
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Isaac Straub
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UNITED STATES PATENT OFFICE.

ABRAHAM STRAUB, OF MILTON, PENNSYLVANIA, AND ISAAC STRAUB, OF CINCINNATI, OHIO.

IMPROVED ASPHALTIC PAVING OR FLAG STONE.

Specification forming part of Letters Patent No. **40,651**, dated November 17, 1863.

To all whom it may concern:

Be it known that we, ABRAHAM STRAUB, of Milton, in the county of Northumberland and State of Pennsylvania, and ISAAC STRAUB, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and Improved Paving Flag-Stone; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of one of the blocks after it has been ground smooth. Fig. 2 shows, in a sectional view of Fig. 1, that the stones or "bowlders" are distributed through the entire mass.

Similar letters of reference indicate corresponding parts in both figures.

This invention relates to a new and improved composition-pavement for sidewalks and other purposes.

It consists in the employment of asphaltum (or coal-tar) and shale-rock, with sharp sand and pebbles, or bowlders, mixed together in such manner as to form a solid pudding-stone, as will be hereinafter described.

The following is a description of the mode of making our improved paving-blocks: A cement is first prepared by boiling mineral tar (coal-tar) until a portion of its naphtha is given off. To this mass of boiling tar—say, one hundred parts—an equal quantity of dry finely-powdered shale-rock is added. To this boiling cement we add an equal quantity—one hundred parts—of sharp fine or coarse sand, which has been washed clean, and as many pebbles or bowlders as may be desired. This

boiling mass is now poured into any form of mold and set away to cool.

Instead of molding the mixture into blocks, as represented in Figs. 1 and 2, it can be spread over the surface of garden-walks and other surfaces and smoothed or leveled by means of heated tools. For this latter purpose the bowlders may be left out.

The drawings represent a solid block, which is formed by running the compound into a mold. The pebbles or bowlders *a a* being diffused through the entire block, as represented, and the block ground down smoothly, it will present a very pretty appearance and may be used for a great variety of purposes.

In molding the compound into blocks for paving and other purposes, metallic or mineral letters or characters may be set up in the mold and the compound poured around them, leaving the characters embedded therein, and thus forming sign or advertising blocks.

It is important that the shale-rock powder which is used in making the cement should be thoroughly dried before use to prevent the moisture contained in it from leaving the compound porous.

We claim—

The within-described ingredients, when combined together, substantially in the proportions described, for the purpose set forth.

Witness our hands in the matter of our application for a patent for improvement in composition-pavements.

A. STRAUB.

ISAAC STRAUB.

Witnesses:

R. T. CAMPBELL,

E. SCHAFER.