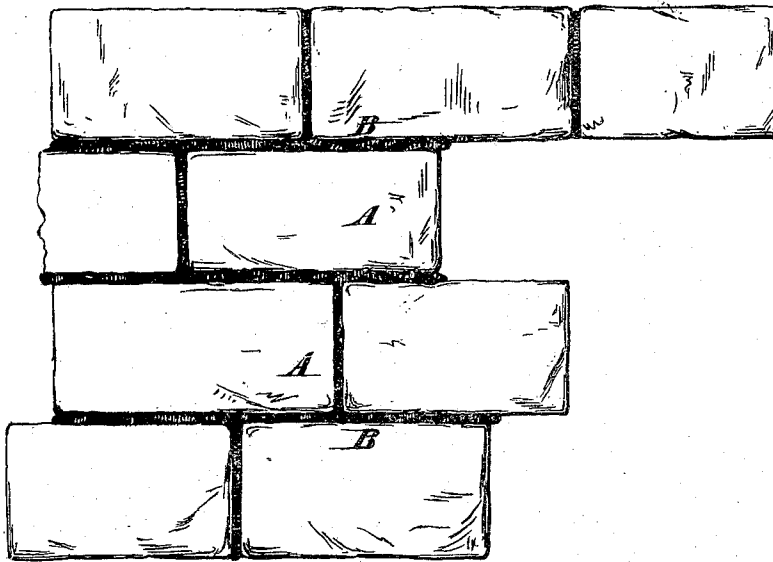


J. MURPHY.
STONE-PAVEMENT.

No. 184,101.

Patented Nov. 7, 1876.



WITNESSES:
Guustave Rietenoh
John Goethals

INVENTOR:
John Murphy
BY *Murphy*
ATTORNEYS.

UNITED STATES PATENT OFFICE

JOHN MURPHY, OF COLUMBUS, OHIO.

IMPROVEMENT IN STONE PAVEMENTS.

Specification forming part of Letters Patent No. **184,101**, dated November 7, 1876; application filed September 2, 1876.

To all whom it may concern:

Be it known that I, JOHN MURPHY, of Columbus, county of Franklin, State of Ohio, have invented a new and Improved Street Pavement, of which the following is a specification:

My invention consists in laying blocks of stone with interspaces, which I fill with a composition consisting of pulverized slag, coal-tar, fresh lime, sand, and pitch.

Referring to the drawing, A A are blocks of stone, between which are the spaces B, filled with a composition, which is made as follows: I take eighty pounds of pitch and boil it, and add twenty pounds of coal-tar, forty pounds of finely-pulverized iron slag, and ten pounds each of lime and sand. I lay the blocks of stone in sand, leaving a space on all sides about four inches deep, in the bottom of which the sand is well rammed. I then pour the composition, while hot, into the spaces be-

tween the stone and allow it to cool. A pavement laid in this manner is impervious to water, and is not acted upon by frost. The composition, being in a measure elastic, renders the pavement easy to travel on, and it also deadens the sound of vehicles passing over it. It also admits of expansion by heat, and contraction by cold, without injury.

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

The composition herein described, for the spaces between the blocks of a stone pavement, consisting of slag, coal-tar, fresh lime, sand, and pitch, combined in about the proportions and in the manner substantially as specified.

JOHN MURPHY.

Witnesses:

WILLIAM E. GUERIN,
A. G. HANBACK.