

UNITED STATES PATENT OFFICE.

GEORGE L. EAGAN, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN FORMING BLOCKS FOR PAVEMENTS.

Specification forming part of Letters Patent No. 125,798, dated April 16, 1872.

To all whom it may concern:

Be it known that I, GEORGE L. EAGAN, of San Francisco, in the county of San Francisco and State of California, have invented a new and Improved Method or Process for Manufacturing Concrete Paving-Blocks; and I do hereby declare the following to be a full, clear, and exact description of the same.

The blocks or tiles to be used for laying all kinds of pavements, and for any other structure where it may be desirable to use such material, are prepared in the following manner: First, I provide myself with suitable molds, which will mold stones, blocks, or tiles about twelve inches long, three inches wide on top, and four inches wide on the bottom, the bevel or incline of the side of the block extending the whole height of the block or only from the top down to nearly the middle of the side. These molds I fill with broken stone, brick, or other similar material, and I then pour upon the mass a quantity of melted asphalt or other bituminous matter sufficient to run in among the broken pieces and fill all the interstices between the same, said melted asphalt being thickened by any suitable material, if preferred. Having done this, I allow the whole to set and harden into a compact homogeneous block of broken stone bound to-

gether by the hardened asphalt; and when it is sufficiently hardened to be easily handled I remove it from the molds and repeat the process to form a new lot. In laying a pavement of this material I place the blocks together so that they will form regular rows across the street, with recesses between the upper edges of adjacent rows. I then fill in these angular recesses with melted asphalt, or asphalt and gravel or broken stones, which, when hardened, become homogeneous with the rest of the pavement.

I do not claim to be the first to use broken stone and asphalt in laying pavements, nor to be the first to mold concrete into suitable blocks, &c.; but

What I do claim is—

The process of preparing paving-blocks by filling molds with broken pieces of stone, &c., pouring melted bituminous matter upon the stone in the molds so that it will percolate through their whole mass and fill up all the interstices, and then allowing them to set and harden till they are ready to be removed and used, substantially as described.

GEORGE L. EAGAN. [L. S.]

In presence of—

H. M. THOMPSON,
I. V. HAYDEN.