

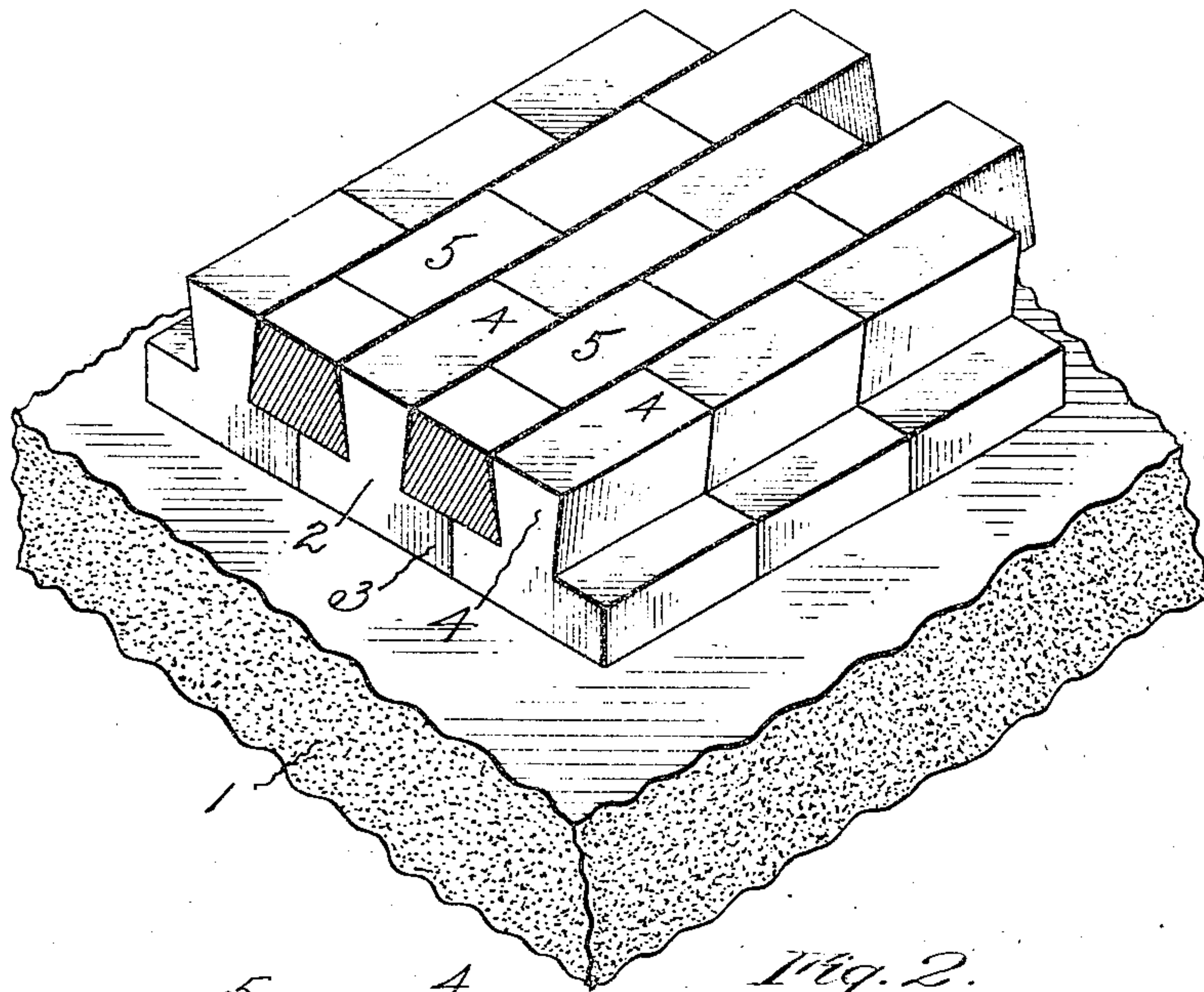
No. 841,647.

PATENTED JAN. 15, 1907.

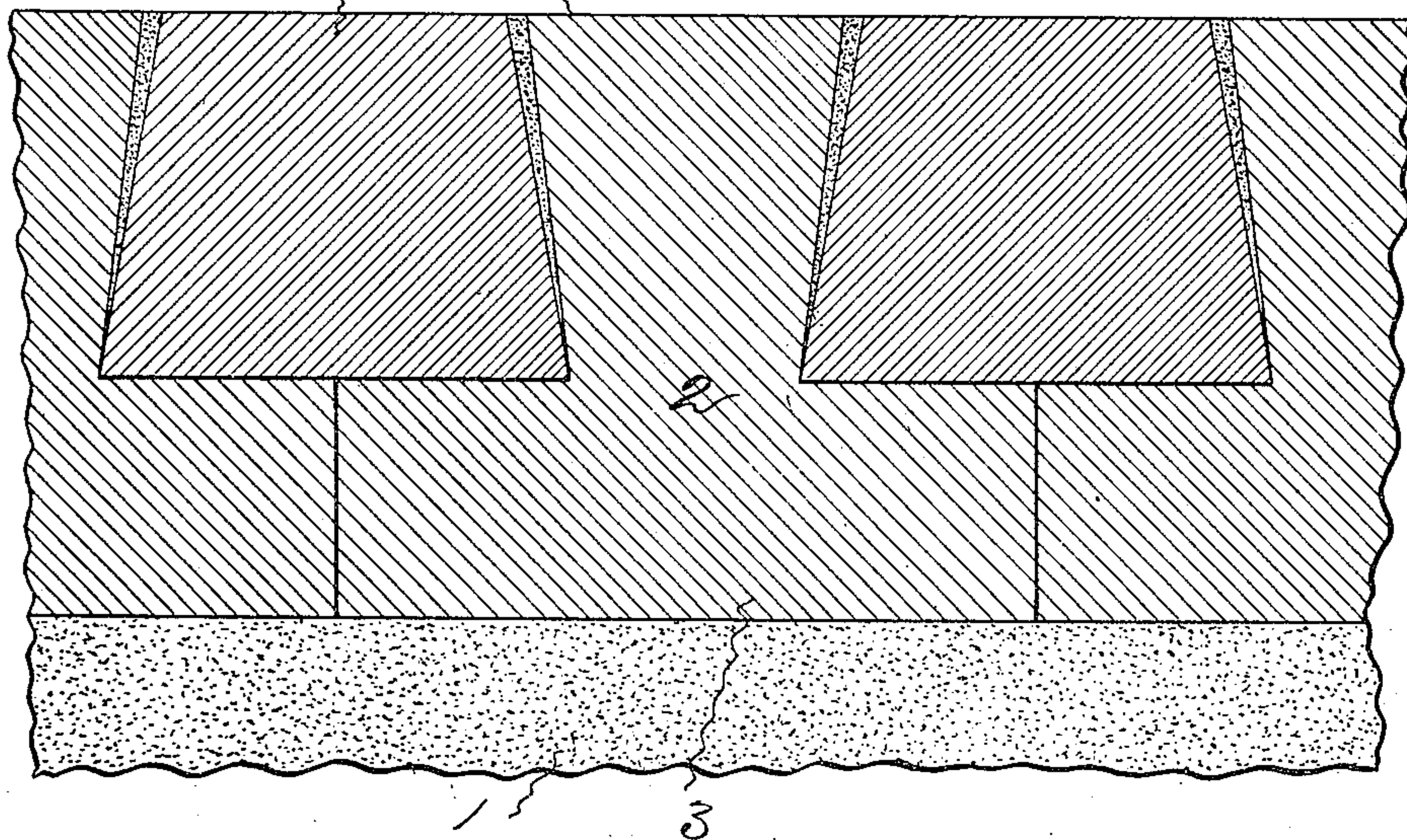
E. HEYLYN.  
PAVEMENT.

APPLICATION FILED MAR. 9, 1906.

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*C. F. Stone*  
*Ethel M. Lowe*

*Inventor.*

*Edward Heylyn*  
*per*  
*Harry P. Williams*  
*Attorney*



# UNITED STATES PATENT OFFICE

EDWARD HEYLYN, OF MANCHESTER, CONNECTICUT.

## PAVEMENT.

No. 841,647.

Specification of Letters Patent.

Patented Jan. 15, 1907.

Application filed March 9, 1906. Serial No. 305,096.

*To all whom it may concern:*

Be it known that I, EDWARD HEYLYN, a citizen of the United States, residing at Manchester, in the county of Hartford and State of Connecticut, have invented a new and useful Pavement, of which the following is a specification.

This invention relates to a pavement for highways, parkways, gangways, and other ways and walks which are subject to heavy traffic and are liable to become slippery.

The object of this invention is to provide a pavement which is simple to construct and easy to lay, which is very durable and impervious to water, which will not vary under extremes of temperature, and which provides a surface of two different densities, so that slipping is avoided.

This invention resides in a pavement which is formed of supporting-blocks of one density and locking and cushioning blocks of a different density arranged so as to form a smooth alternating surface of the two substances, whereby permanency is insured, the noise of the traffic is reduced, and a sure foothold is provided for animals.

Figure 1 of the accompanying drawings shows a perspective view of a small area of pavement which embodies this invention. Fig. 2 shows a vertical section on larger scale, taken through a few of the blocks.

This pavement is laid upon any common substantially laid concrete foundation 1. The supporting-blocks 2 are preferably formed with a wide base 3 and a dovetail wearing-section 4, that is narrower than the base. These sections are arranged when the pavement is laid so that the edges of the bases abut. This leaves narrow dovetail grooves between the wearing-sections. It is preferred to form these supporting-blocks of hard asphalt or of a composition which may consist of colophony, petroleum, calcined plaster or slaked lime, and sand or other earthy matter, and some broken stone or gravel, as desired. This material when mixed and hardened is impervious to water,

inodorous, and does not soften under the rays of the summer sun.

In the dovetail grooves between the wearing-sections and resting on the bases so as to overlap the longitudinal and transverse joints of the supporting-blocks are placed dovetail blocks 5, which are preferably made of wood; but of course they may be formed of other substances, if desired. These blocks if of wood are usually cut so that the grain extends vertically, and they are preferably a little narrower at the top than the openings between the composition blocks, and in the spaces between the elastic wooden blocks and the hard composition blocks an asphalt composition or a resinous composition is poured to fill the cracks and lock the blocks together.

Such blocks as are shown and described herein are simple to make, and it is easy to lay them in place so that they interlock and hold each other firmly in position. The wood forms a cushion for the composition, and the composition protects the wood against wear, and at the same time a smooth surface is provided which at intervals is of different elasticity, so that a horse can obtain a foothold and will not be inclined to slip when the pavement is wet.

The invention claimed is—

A compound pavement formed of abutting blocks of hardened plastic compound, each block having a wide flat base and a dovetail wearing-rib narrower than the width but as long as the length of the base, extending upwardly from the middle thereof, and dovetail locking-strips of wood lying between the wearing-ribs and overlapping the longitudinal and the transverse joints so that each strip rests upon sections of the bases of four blocks, substantially as specified.

EDWARD HEYLYN.

Witnesses:

HARRY R. WILLIAMS,  
ETHEL M. LOWE.