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W. A. WILLIAMS

RUBBER PAVING AND FLOORING BLOCK OR SLAB

Filed Feb. 1, 1923

FIG. 1.

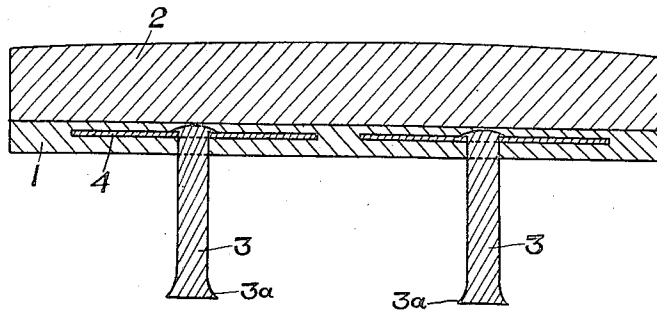
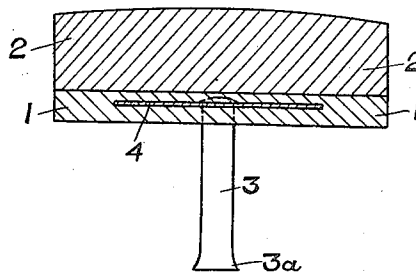


FIG. 2.



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UNITED STATES PATENT OFFICE.

WILLIAM ARTHUR WILLIAMS, OF EDINBURGH, SCOTLAND, ASSIGNOR TO THE NORTH BRITISH RUBBER COMPANY LIMITED, OF EDINBURGH, SCOTLAND, A BRITISH COMPANY.

RUBBER PAVING AND FLOORING BLOCK OR SLAB.

Application filed February 1, 1923. Serial No. 616,391.

To all whom it may concern:

Be it known that I, WILLIAM ARTHUR WILLIAMS, a subject of the King of the United Kingdom of Great Britain and Ireland, and a resident of Edinburgh, Scotland, have invented certain new and useful Improvements in Rubber Paving and Flooring Blocks or Slabs, of which the following is a specification.

In the manufacture of rubber roadways and floors it has heretofore been usual to construct the roadway or flooring of slabs or blocks of vulcanized rubber either cemented to or mechanically attached to the road base or floor foundation and it has been found that with surfaces made by this method the rubber surface gradually becomes detached from the base or foundation owing to the fact that the extensibility of the rubber surface gives rise to displacement due to traffic and consequently destroys the joint with the base or foundation.

According to the present invention the blocks or slabs of rubber are provided with rigid metal projections extending downwardly through the lower rubber face of the block or slab, the rigid metal projections being sunk into the road bed or foundation. If desired also the base or surface of the block or both the base and surface may be grooved, fluted or otherwise designed to afford a firmer foothold or attachment to the foundation.

One construction of our improved rubber block or slab is illustrated on the accompanying drawing by way of example, Fig. 1 being a section lengthwise through

the block and Fig. 2 a section at right angles thereto.

The block, as shown, consists of a hard rubber base 1 and a soft rubber face 2. It may however consist of a plurality of rubber layers varying in hardness from a hard base to a soft face. The block is anchored to the road bed or foundations by hard metal pegs 3 or like rigid metal projections which may have enlarged lower extremities 3^a. The pegs 3 may be carried by one or more metal or other plates 4 embedded in the hard base 1 or embedded in one of the harder layers of the block; or interposed between two of the harder layers. Two pegs 3 are shown on the drawing, but any desired number may be provided.

Claims:

1. A paving or flooring block or slab comprising the combination of a hard rubber base, a soft rubber face, metal plates embedded in the hard rubber base and rigid metal projections carried by said plates and projecting downwardly through the hard rubber base at right angles thereto.

2. A paving or flooring block or slab comprising the combination of a hard rubber base, a soft rubber face, metal plates embedded in the hard rubber base and rigid metal pegs carried by said plates and having enlarged lower extremities, said pegs projecting downwardly through the hard rubber base at right angles thereto.

The foregoing specification signed at Edinburgh, Scotland, this fifteenth day of January, 1923.

WILLIAM ARTHUR WILLIAMS.