

J. LÜCK.
Stone Pavement.

No. 221,585.

Patented Nov. 11, 1879.

Fig. 1.

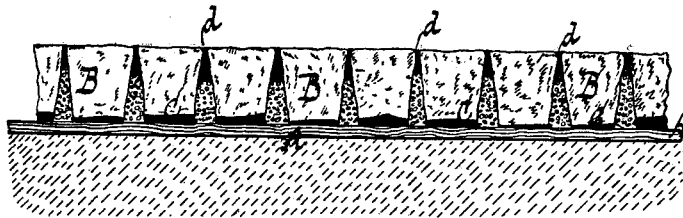
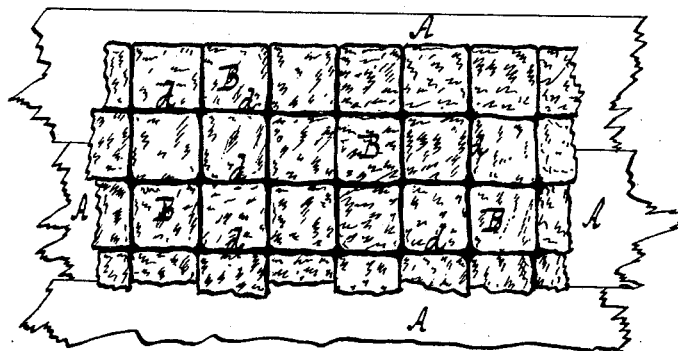


Fig. 2.



Witnesses
Otto Hufeland
William Miller

Inventor
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UNITED STATES PATENT OFFICE.

JOHN LÜCK, OF FLATBUSH, NEW YORK.

IMPROVEMENT IN STONE PAVEMENTS.

Specification forming part of Letters Patent No. **221,585**, dated November 11, 1879; application filed September 24, 1879.

To all whom it may concern:

Be it known that I, JOHN LÜCK, of Flatbush, in the county of Kings and State of New York, have invented a new and useful Improvement in Stone Pavements, which invention is fully described in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 shows a portion of my pavement in cross-section. Fig. 2 is a plan or top view thereof.

Similar letters indicate corresponding parts.

My invention relates to stone pavements for roadways; and it consists in combining a foundation of wooden boards with a surface of stone blocks, each having a non-resonant bottom dressing of tar, asphalt, or the like, whereby I obtain a level pavement, and one in which the noise caused by moving vehicles is reduced to a minimum; also, in combining with the foregoing water-proof joints between the blocks, made with a tarry substance, to prevent access of water, as rain or melting snow, to the wooden foundation.

In the drawings, the letter A designates a wooden foundation, upon which is laid a surface consisting of stone blocks B, equipped with bottom dressings, C, and having water-proof joints *d*. The wooden foundation A is made of boards, which may be dipped in tar or prepared in any other manner favorable to durability. These boards are laid upon a suitably-prepared road-bed, and the blocks B are placed on the foundation thus obtained, with their dressings C facing the wood. The water-proof joints *d* are then formed by first partly filling the spaces between the blocks with gravel, and then flowing a tarry substance into such spaces in sufficient quantity to fill the same to the top, or nearly so.

The bottom dressing, C, is applied to the blocks B in such a way as to render all the blocks of the same height, and to accomplish this object I place the blocks in molds and then fill the molds with the desired substance, as tar, or a mixture of tar and sand or gravel.

One feature of this stone pavement is, that it is straight or level, this being due partly to the wooden foundation A and partly to the dressing C of the blocks; and another feature thereof is, that less noise is produced thereon by vehicles than on the stone pavements now in use, the non-resonant quality both of the dressing and the foundation conducing to this result.

The effect of the water-proof joints *d* is to prevent access of rain-water or other water to the wooden foundation A, thereby increasing the durability of this foundation.

I am aware that it is not new to apply a bottom dressing to a group of paving-stones and lay such stones upon a brick foundation. My invention differs from this in that each block has its own separate dressing, and in that wood is used in lieu of bricks to form the foundation.

What I claim as new, and desire to secure by Letters Patent, is—

1. The pavement composed of a level foundation of wooden boards and a surface layer of stone blocks, having their top surfaces brought into the same superficial plane by means of a non-resonant bottom dressing of proper thickness applied to each stone, substantially as described.

2. The pavement composed of a level foundation of wooden boards, a surface layer of approximately flat-faced stone blocks, having their top surfaces brought into the same superficial plane by means of a non-resonant bottom dressing of proper thickness applied to each stone, and a filling of water-proof material between the adjacent surfaces of the stones, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 18th day of September, 1879.

JOHN LÜCK. [L. S.]

Witnesses:

W. C. HAUFF,
CHAS. WAHLERS.