

*J. J. Schroyer,*

*Wood Pavement.*

*No. 104,778.*

*Patented June 28, 1870.*

Fig. 1.

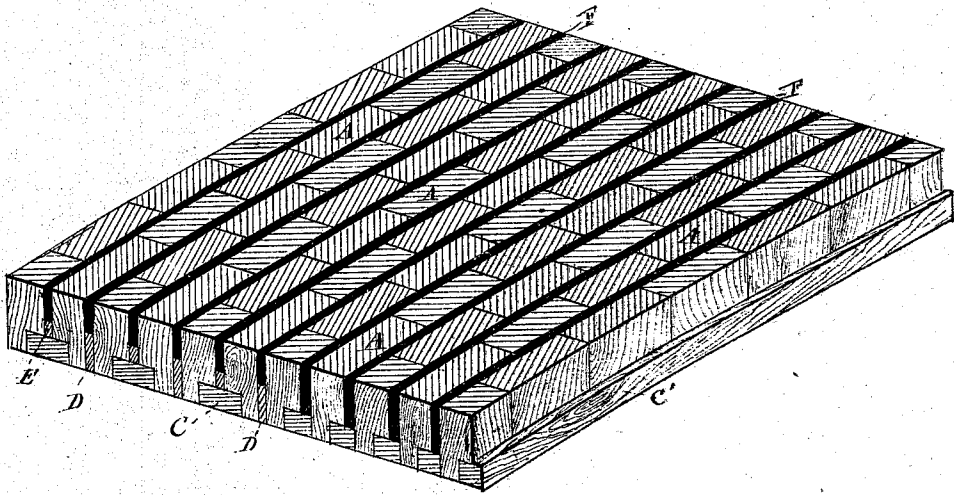


Fig. 2.

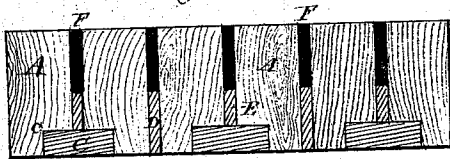


Fig. 3.



Fig. 4.

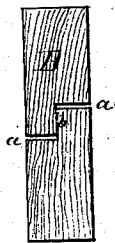


Fig. 5.



Witnesses.

*Abel Meek*  
*Chas. H. Poole*

Inventor.

*Joe. J. Schroyer*  
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Attys.

# UNITED STATES PATENT OFFICE.

JOSEPH J. SCHROYER, OF SPRINGFIELD, ILLINOIS.

## IMPROVEMENT IN WOOD PAVEMENT.

Specification forming part of Letters Patent No. 104,778, dated June 28, 1870.

*To all whom it may concern:*

Be it known that I, JOSEPH J. SCHROYER, of Springfield, in the county of Sangamon, and in the State of Illinois, have invented a new and useful Improved Wooden Pavement for Streets; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, in which drawing—

Figure 1 is a perspective view, showing the top, one end, and one side of my pavement in position. Fig. 2 is an end elevation of one modification of my pavement. Fig. 3 is an end elevation of another modification of the same. Fig. 4 is an elevation of a block of wood, showing the manner of cutting it into two paving-blocks. Fig. 5 is an elevation of the same, showing the two paving-blocks separated a little.

Letters of like kind denote like parts in each figure.

My object is the construction of a firm, durable wooden pavement, of the greatest simplicity of parts, and at the cheapest cost; and my invention consists in the method of preparing the paving-blocks, and also in the construction and arrangement of the several parts of my device.

In the drawing, A represents one of my paving-blocks, which is made by taking a piece of wood, B, of the proper shape, and of sufficient length to make two of the paving-blocks A, and sawing into opposite sides of the same at right angles with said sides, and to the center of said block B, two cuts, *a*, one above the other, at a sufficient distance, and by splitting down between said cuts, on the line *b*, with a broad chisel, or by other suitable means, thus making two paving-blocks, each with a rectangular recess, *c*, upon one side of the bottom of the same, which recess extends laterally half-way across said block, and has a height about equal to or greater than its width. C represents the sleepers which are laid across the road from side to side, and C' a modification of the same laid in the same manner. D are thin strips of wood, interposed between the blocks from the bottom of the same to a point about half-way to their tops, and E are similar but narrower strips laid between the blocks, and resting upon the tops of the sleepers C.

The method of construction of this pavement is as follows, viz: The road-bed being formed, in the usual manner, of well rolled or rammed sand, gravel, broken stone, or concrete, with a regular arching surface, highest in the center, the sleepers C are laid down across said road, reaching from side to side, and of a width sufficient to fill the lateral recesses *c* of the blocks A, and to leave a space of about an inch between said blocks, and of a thickness to fill the recess *c* vertically, so that the bottoms of the blocks A and of the sleepers C will be upon the same plane. Upon these sleepers a row of blocks, A, is placed with their recesses facing inwardly, and are securely nailed through their lower parts to said sleepers. A narrow strip, E, is then placed upon the sleeper and nailed to it and to the blocks A. Another series of blocks, A, is then placed upon said sleeper, with the recesses *c* facing the other, and is secured in like manner to the sleeper. A wide strip, D, is then placed upon the ground and nailed to the back of the block A, and so on in the same order.

The spaces F between the blocks are filled, in the usual manner, with tar and sand, or other suitable compound.

It will be noticed that in this pavement, as described, there will be a very great simplicity and cheapness of parts. In addition, the method of construction is easy, and the work may be performed with great speed.

Having thus set forth the nature and merits of my pavement, what I claim as my invention therein is—

1. The method of constructing two paving-blocks out of one piece of wood, as described and shown.

2. The arrangement of the blocks A, the sleepers C, and the strips D and E, when the several parts are constructed as described and shown, and secured together as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of May, 1870.

JOSEPH J. SCHROYER.

Witnesses:

GEO. O. MARCY,  
E. C. MATHENY,