

JOSEPH I. PEYTON.

Improvement in Wood-Pavement.

No. 127,510.

Patented June 4, 1872..

Fig. 1.

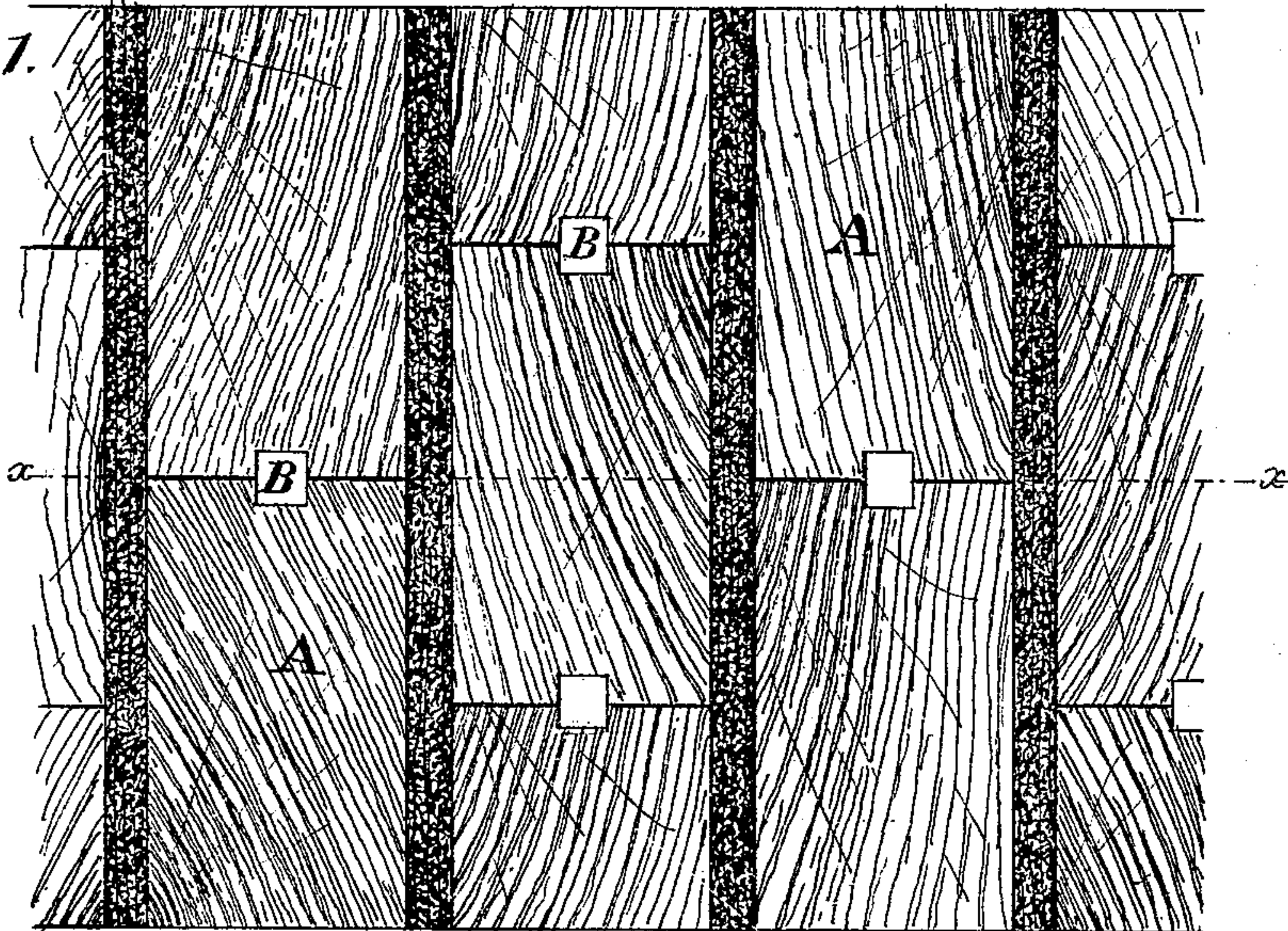


Fig. 2.

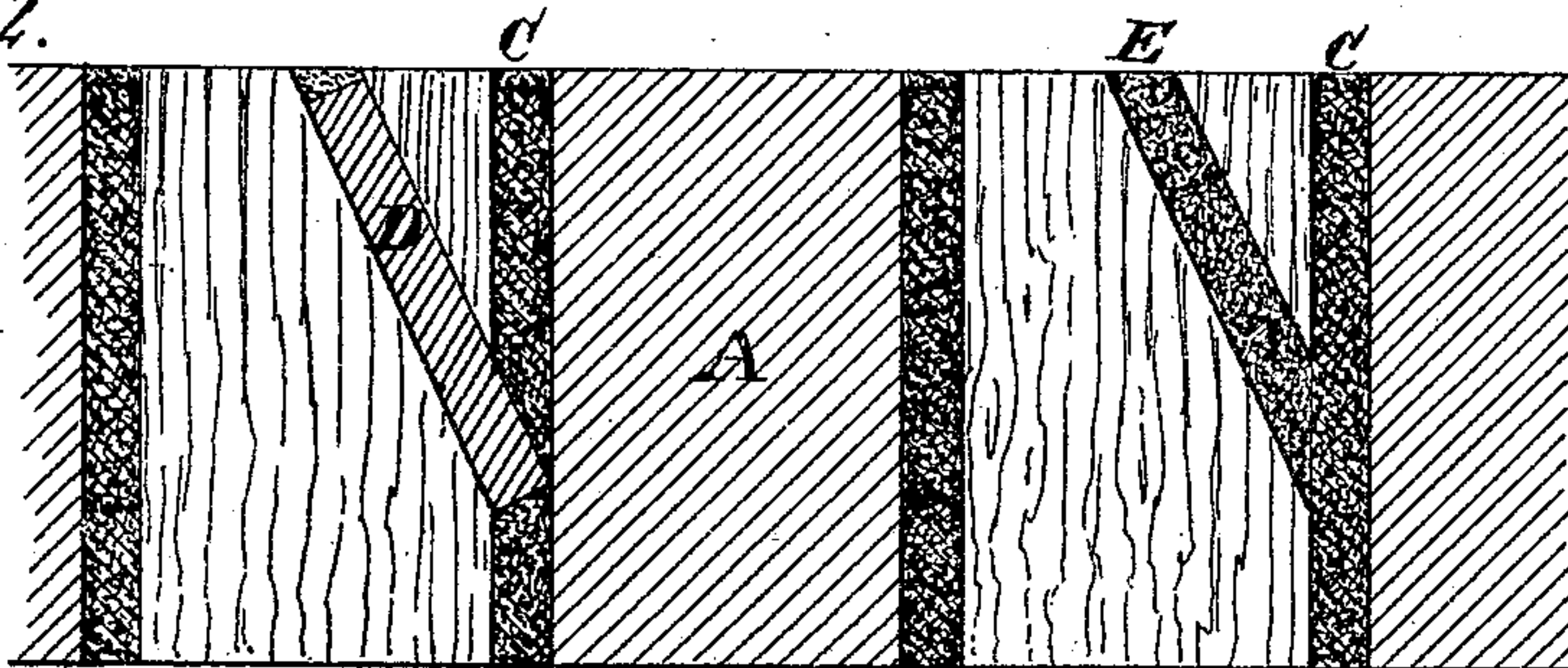
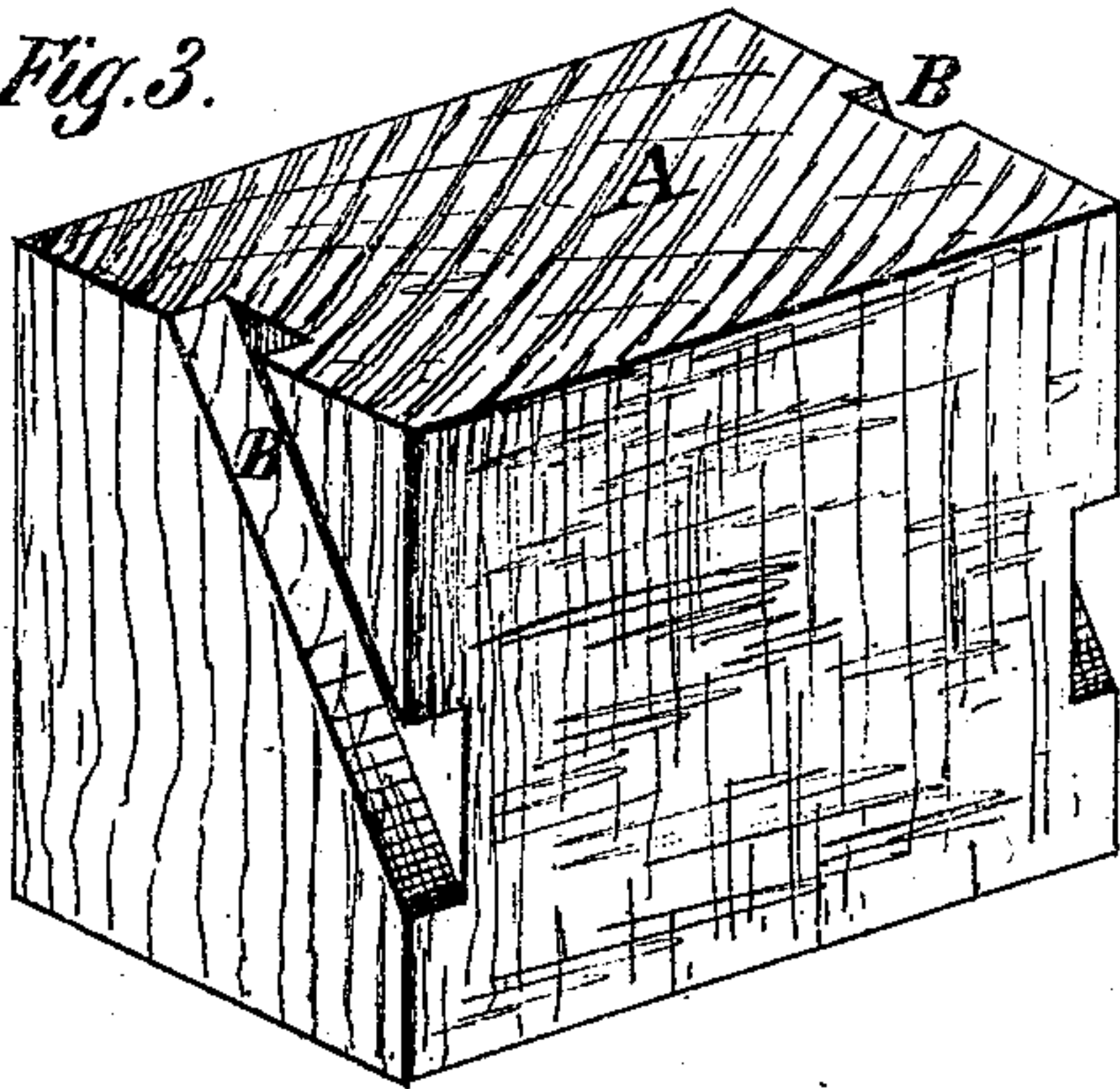


Fig. 3.



Witnesses:
Fredk. Acton.
J. I. Peyton.

Inventor:

Joseph I. Peyton.

UNITED STATES PATENT OFFICE.

JOSEPH I. PEYTON, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR,
BY MESNE ASSIGNMENT, TO HIMSELF, JOHN B. PEYTON, AND GEORGE
W. LINVILLE, OF SAME PLACE.

IMPROVEMENT IN WOOD PAVEMENTS.

Specification forming part of Letters Patent No. 127,510, dated June 4, 1872.

To all whom it may concern:

Be it known that I, JOSEPH I. PEYTON, of Washington City, District of Columbia, have invented certain new and useful Improvements in Wood Pavements, of which the following is a specification:

My invention relates to a pavement of that class in which the blocks rest directly upon a sand bed or foundation; and my object is to lock the blocks at their ends in rows separated by packing-spaces at their sides. My improvements consist, first, of a pavement composed of blocks laid end to end, in rows, separated by packing, and locked together at their ends by diagonal transverse grooves of packing in such a manner that the packing at the sides and ends may be readily removed to take up any block or blocks, and the block or blocks relaid or renewed and packed as before; second, of a wood pavement composed of blocks with packing-spaces between the sides of the blocks and packing grooves or channels in the ends of the blocks, starting at the tops of the blocks, and communicating with the side packing-spaces below the tops of the blocks; third, of a wood paving-block provided with diagonal end-locking grooves extending from the top of the block to its side.

In the drawing, Figure 1 is a plan or top view of a section of the pavement; Fig. 2, a vertical section at the line *x x* of Fig. 1; and Fig. 3, a view, in perspective, of one of the blocks.

Each block A is formed with a groove, B, at either end, extending diagonally downward from a point preferably about midway of the width of the block to the side of the block. These grooves or channels B may be triangular or half round; but I prefer the form shown.

The grooves, it is obvious, might commence nearer that side of the blocks opposite the side at which it terminates than is shown in the drawing, and might be terminated higher or lower than shown.

The blocks are laid end to end on a properly-prepared bed of sand, so that the grooves in the adjacent ends of the blocks are directly opposite each other, the blocks being laid in rows, at suitable distances apart, to form spaces C of suitable width to receive the gravel and pitch or any other proper concrete or

cement packing. Short pieces or strips of wood D are fitted in the inclined or diagonal channels formed by the grooves B; or, instead of using strips as packing, these spaces may be filled and packed with the same packing material that is used in the side spaces, as shown at E, Fig. 2; or short strips may be used in the lower parts of the grooves with concrete or pitch above.

It will be seen that, when properly packed, each block in the pavement is securely locked or keyed in position against both vertical and sidewise movement; and that, should the strips become loose or the concrete become separated from the sides of the grooves, a block could not sink without moving sidewise, owing to the inclination of the grooves. Any sidewise movement would be prevented by the side packing.

When it is desired to take up a block the side packing is removed and the groove-packing pushed or punched out into the side space. When strips are used they are forced out a little at a time and broken off until entirely removed. After the packing is removed the block is free, and may be taken up uninjured. The same block may be relaid, or a similar one substituted and packed as before. In this way any portion of the pavement may be taken up and relaid or renewed and repacked, so as to be as good as the rest.

I claim as my invention—

1. A wood pavement composed of blocks, formed, laid, and secured in position substantially as set forth.

2. Also, a wood pavement in which the blocks are arranged in rows, separated by side packing, and locked by end packing in channels extending from the tops of the blocks transversely downward to the side packing-spaces, substantially as set forth.

3. Also, a wood paving-block having diagonal grooves in its ends extending from the top to the side of the block, substantially as set forth.

In testimony whereof I have hereunto subscribed my name.

JOSEPH I. PEYTON.

Witnesses:

EDWD. C. DAVIDSON,
BALTIMORE, DE LONG.