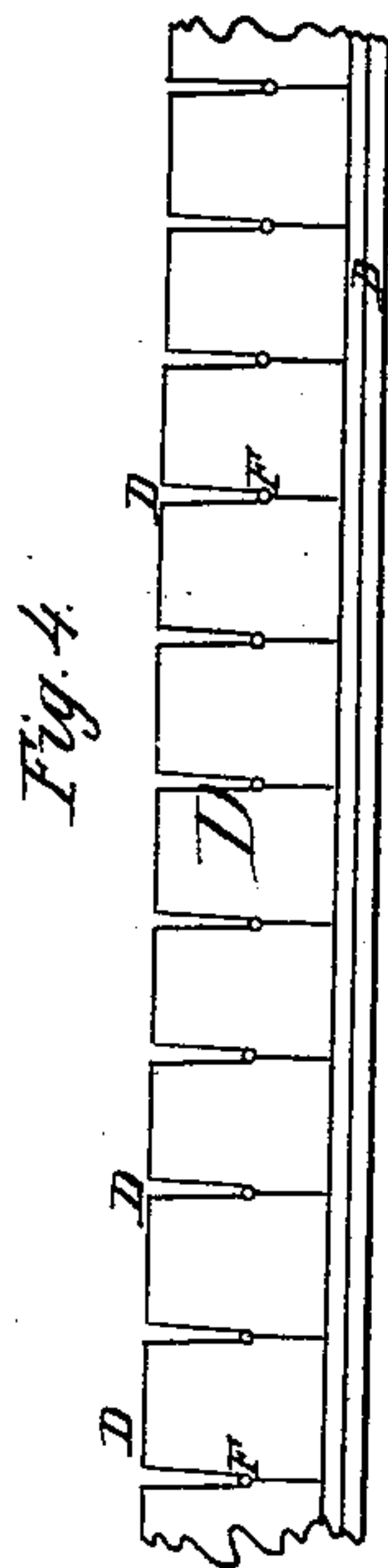
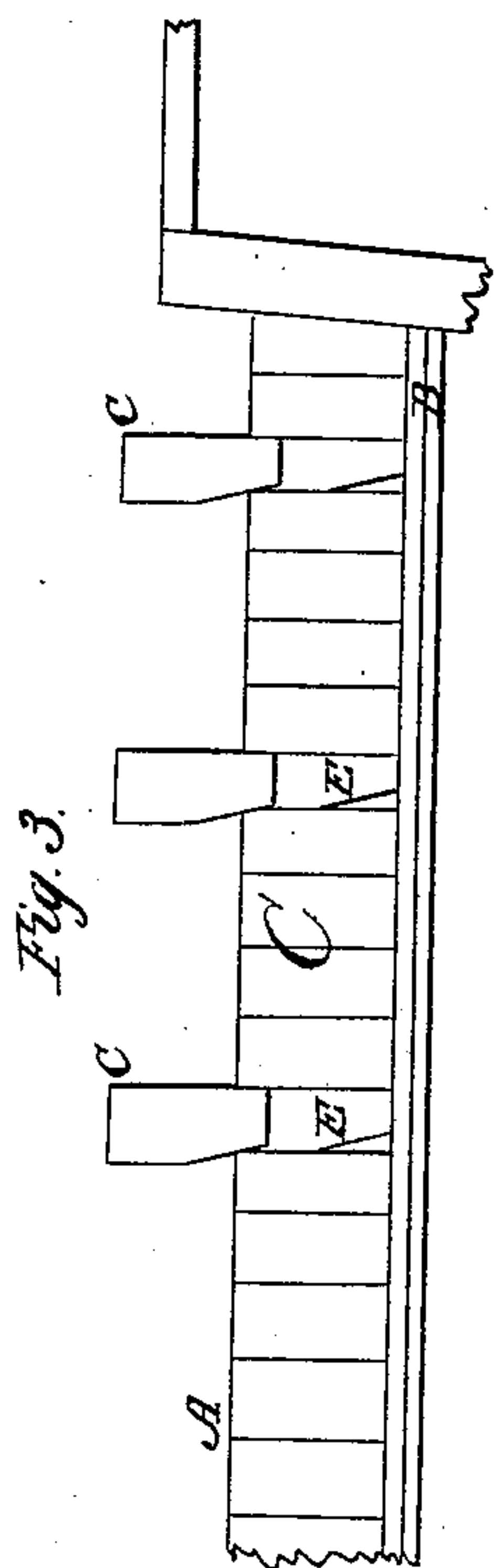
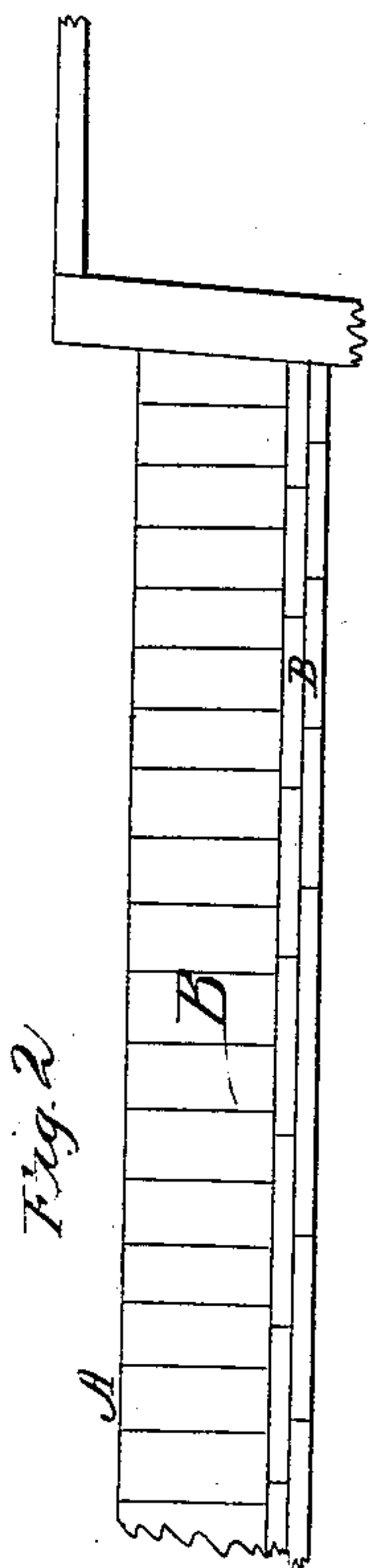
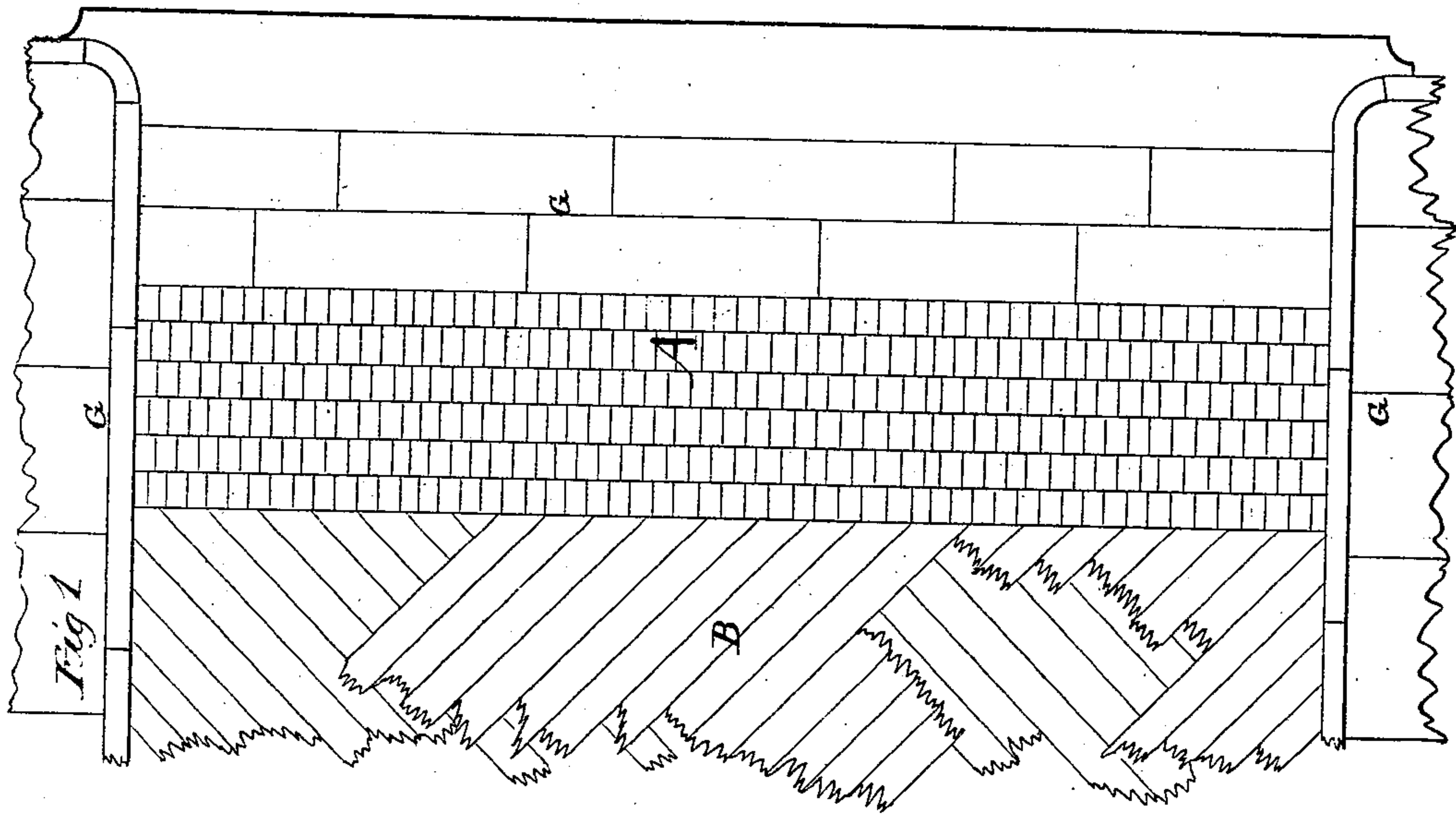


*L. H. Boole.*

*Wood Pavement.*

*N<sup>o</sup> 100,363.*

*Patented Mar. 1, 1870.*



*Inventor.*  
*L. H. Boole*

# United States Patent Office.

L. H. BOOLE, OF NEW YORK, N. Y.

Letters Patent No. 100,363, dated March 1, 1870.

## IMPROVEMENT IN WOOD PAVEMENT.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, L. H. BOOLE, of the city of New York, and State of New York, have invented a new and useful "Water-Proof Pavement;" and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon making a part of this specification, in which—

Figure 1 represents a top view of the pavement.

Figure 2 shows the blocks set in a row, and resting upon two layers of boards or planks.

Figure 3 shows how each row is firmly tightened by means of key-blocks being inserted at suitable distances apart.

Figure 4 exhibits the openings between the rows of blocks, having a tarred rope inserted.

The nature of my invention consists in an improved method of rendering wood pavement water-proof, by means of a rope pressed into grooves formed between the blocks, and in the combination of key-blocks and foundations therewith.

The object of my invention is to make a cheap pavement, free from noise, firm, yet easier to travel upon than pavements of rammed stone or other stone foundations, at the same time water-proof, which increases its durability.

To enable others skilled in the art to make my invention I will proceed to describe its construction, as follows:

A represents the tops of the blocks that have been cut to a given length, and set or laid (so as to break joints) in rows, from curb to curb.

B exhibits the board or plank flooring, upon which the blocks are placed in rows, the boards being laid diagonally and flat upon the ground, in one, two, or three layers or thicknesses, the upper layer crossing the lower one at right angles, so as to cross each other in a perfectly opposite direction, and diagonally with the line of the street. This makes a firm and even foundation for the blocks A to rest upon, for when blocks have been placed upon boards laid crosswise or directly on a line with the street, the ends of the boards soon become out of place and tipped up or down.

C shows the shape and construction of the wedge-

shaped key-block, with its one lower side tapering, so as to correspond with the angular piece E that is placed at the side of one of the blocks A, that when the key-block is inserted and driven down to the flooring the pressure may be equal and regular on both sides of the key-block.

D D are the openings or seams extending across the street, between each row of blocks A, in which tarred ropes F are inserted, and the seams D above filled up with tar and sand, that effectually prevent the water from settling between the blocks, and prevent the blocks from rotting or working loose, thereby securing the durability of the pavement.

G represents the sidewalks.

After the street has been graded to its proper level, I construct my pavement, as follows: By laying a series of boards or planks, B, running diagonally across the street. Upon this I place another layer of boards or planks diagonally, but in opposite directions, as shown at fig. 1, and if necessary I may have two or more thicknesses, but two thicknesses I deem the best. The blocks A are then laid upon this flooring in rows from curb to curb, and the key-blocks C are inserted at suitable distances. In order to make the pavement perfectly water-proof, each back seam D is opened, and a tarred rope, F, is pressed in about two-thirds of the distance down, and the opening left above the rope is filled up with tar and sand.

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

1. A pavement composed of the blocks A, formed as described and shown, and the rope F pressed into the groove D, with proper filling, as and for the purposes set forth.

2. In combination with such a pavement, the key-blocks C, as and for the purpose set forth.

3. In combination with a pavement thus rendered water-proof and wedged, the foundation made of diagonally laid double thicknesses of plank, as and for the purpose set forth.

L. H. BOOLE.

Witnesses:

ROBT. A. RUSSELL,  
J. FRANKLIN REIGART.