

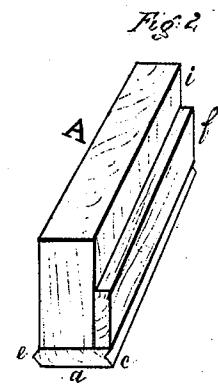
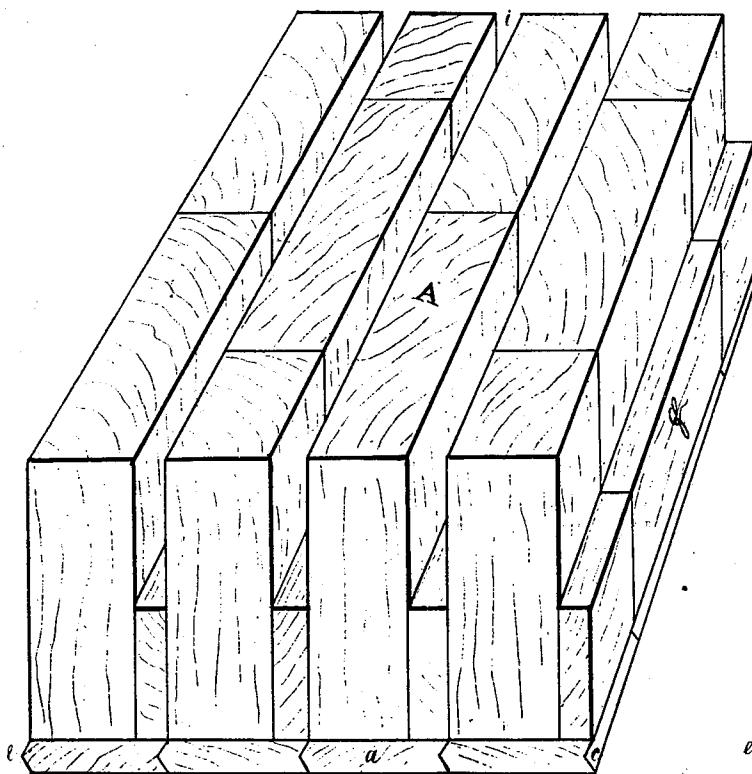
H. J. Alford,

Wood Pavement.

No. 106,910.

Patented Aug. 30, 1870.

Fig: 1.



Witnesses:

Chas. S. Tucker  
Geo. A. Lundy

Inventor:

Henry J. Alford

# United States Patent Office.

HENRY J. ALVORD, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR  
TO HIMSELF AND CHARLES E. BISHOP, OF SAME PLACE.

*Letters Patent No. 106,910, dated August 30, 1870.*

## IMPROVEMENT IN WOOD-PAVEMENT.

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

I, HENRY J. ALVORD, of the city of Washington, in the District of Columbia, have invented certain Improvements in Wooden Pavements, of which the following is a specification.

### *Nature and Objects of the Invention.*

My invention relates to an improvement in the Nicolson pavement, and consists of a foundation for such pavement, formed of sections of plank cut in width slightly exceeding the width of the block, with the parting strip nailed thereto, the said foundation boards being grooved and beveled on their sides to form connections and material support with each, as hereinafter fully set forth.

### *Description of the Accompanying Drawing.*

Figure 1 represents an oblique view of the pavement embodying my invention.

Figure 2 represents a single block of the same with the foot and side pieces nailed on.

### *General Description.*

A is a block of hard pine wood, about ten inches long, six high, and three and a half inches thick.

To the bottom of this block is nailed a foot-board, a, of the same material and length, five inches wide, and one inch thick, projecting an inch on one side of the block, and half an inch on the other side.

In the edge projecting an inch is a V-shaped groove, c, and the opposite edge e is beveled, so as to fit this groove precisely.

On the grooved side of the block is nailed another board, f, of the same material and length, three inches wide, and two thick.

When the blocks are fitted together, this causes a vacant space, i, to remain between them on top of one inch and three inches deep, which is filled in with asphaltum and gravel or concrete, driven in with a wedge and hammer until perfectly solid and hard, by which means the blocks are made steady, and prevented from lowering or sinking.

To give the pavement greater durability, the blocks are fitted together so as to break joints.

I do not claim the blocks and parting strips, or broadly a board foundation, as these are old and well-known; but

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

A pavement, composed of the wooden blocks A set on end, having strips of suitable thickness nailed thereto, the whole resting on boards of the length and width of the blocks and strips combined, the foundation-boards being beveled and grooved, as shown, and the spaces between the blocks and above the strips being filled with concrete or any suitable filling, all as shown and described.

HENRY J. ALVORD.

### *Witnesses:*

CHAS. C. TUCKER,  
GEO. A. LOWNDS.