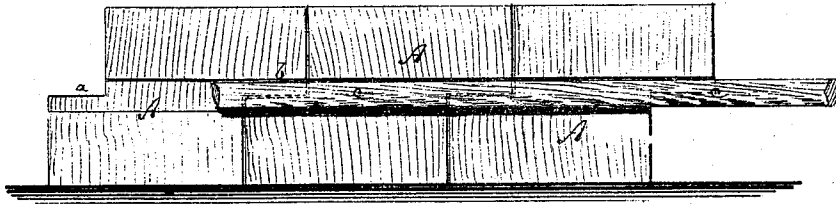


# C.K. Deutsch. Wooden Pavement.

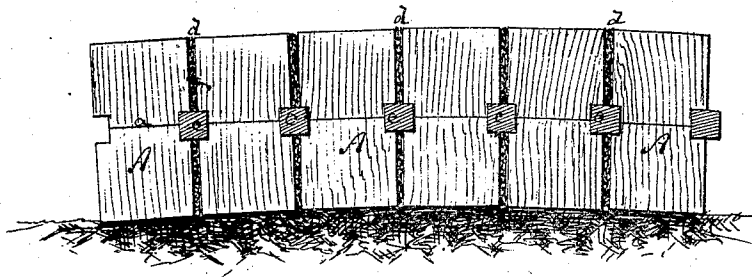
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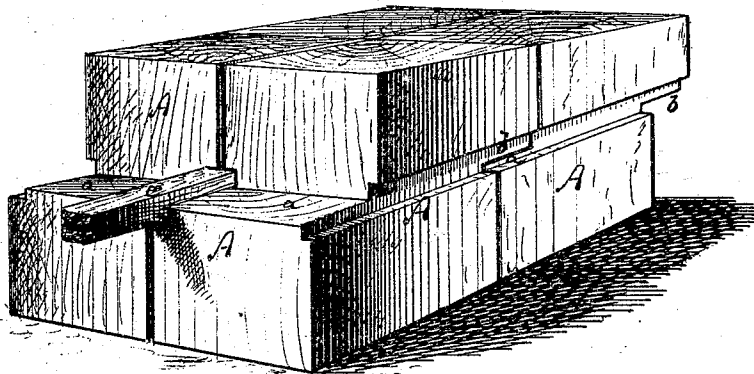
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:

*John Becker.*  
*Wm. H. C. Smith.*

Inventor:

*C. K. Deutsch.*

PER

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Attorneys.

## UNITED STATES PATENT OFFICE.

CHARLES K. DEUTSCH, OF NEW YORK, N. Y.

## IMPROVEMENT IN WOODEN PAVEMENTS.

Specification forming part of Letters Patent No. 118,216, dated August 22, 1871.

*To all whom it may concern:*

Be it known that I, CHARLES K. DEUTSCH, of the city, county and State of New York, have invented a new and Improved Wooden Pavement; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a side view of my new wooden pavement. Fig. 2 is an end view of the same. Fig. 3 is a detail perspective view of several blocks used in its construction.

Similar letters of reference indicate corresponding parts.

A durable and reliable foundation for wooden pavements is an absolute necessity and at present an item of considerable labor and expense in laying the same. I intend to dispense with the use of a separate foundation, or at least make the same of less importance, by making the paving-blocks sustain each other. The wooden pavements now in use consist of wooden blocks placed side by side upon a layer of boards, beams, or strips of wood. If at any one point this layer is interrupted, the block or blocks above will be forced down, they being not otherwise sustained.

My invention consists in constructing and connecting the blocks of a wooden pavement to make them interdependent and mutually supporting,

as hereinafter fully described, and subsequently pointed out in the claim.

A A in the drawing are the paving-blocks, made of wood with the grain in suitable direction. Each block has L-shaped ends, forming steps *a* and shoulders *b*, as is clearly shown in Figs. 1 and 3. The step *a* at one end is supporting the pendent shoulder *b* at the other end of each block. As the several blocks are put together the steps will come under the shoulders as shown, whereby one block is made to support the other.

In a pavement thus composed all blocks of one row are connected and help to sustain each other. The foundation need therefore not be prepared of wooden layers, as a good bed of gravel will be sufficient in most cases. Still, a suitable foundation may be used if desired. The several rows of blocks may be locked together by strips *c c* entering the grooved sides of the blocks, or by projecting tenons or equivalent means. Cement, gravel, or sand may be filled between the blocks, as at *d d* in Fig. 2.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The corner-grooved blocks A, having steps *a* and shoulders *b*, combined with strips *c*, arranged as and for the purpose specified.

C. K. DEUTSCH.

Witnesses:

A. V. BRIESEN,  
T. B. MOSHER.