

Z. E. FOBES.

Improvement in Pavements.

No. 126,454.

Patented May 7, 1872.

Fig. 1.

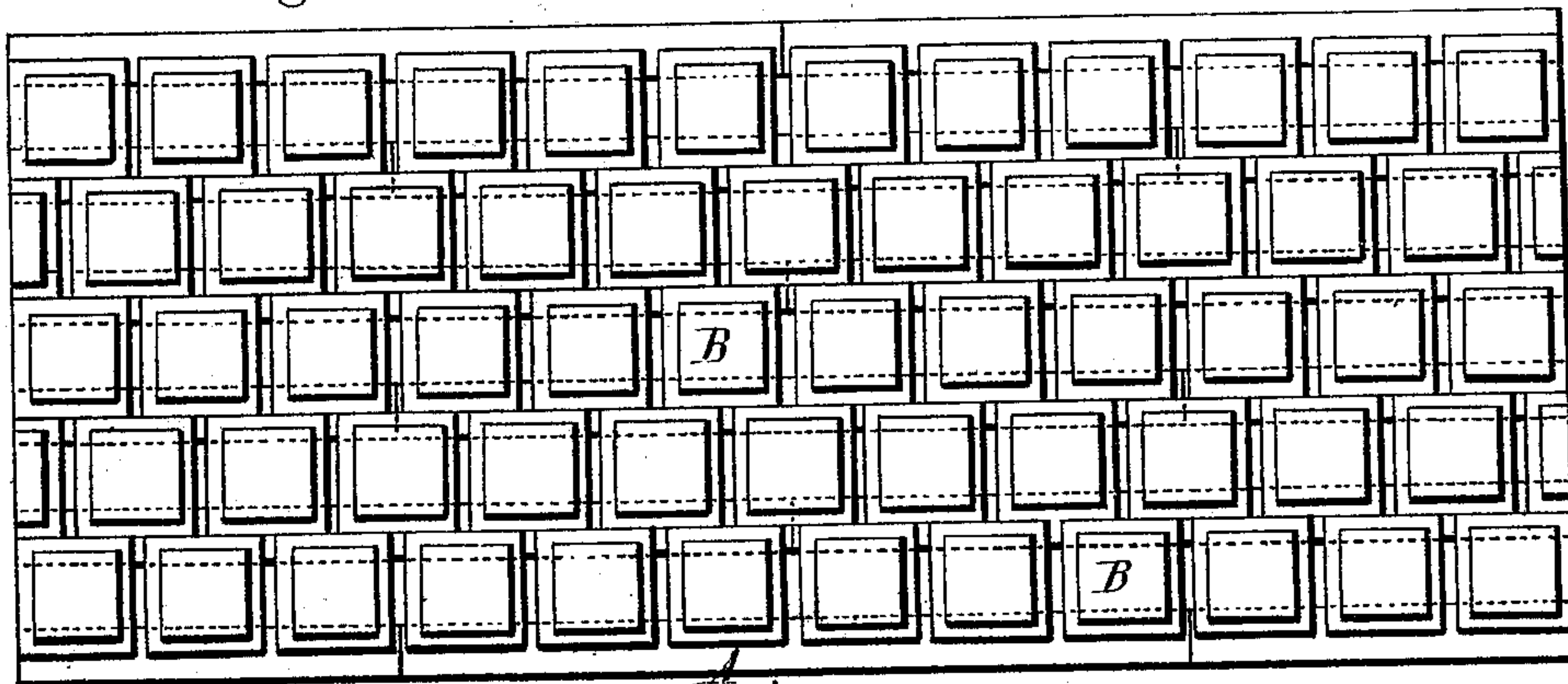


Fig. 2.

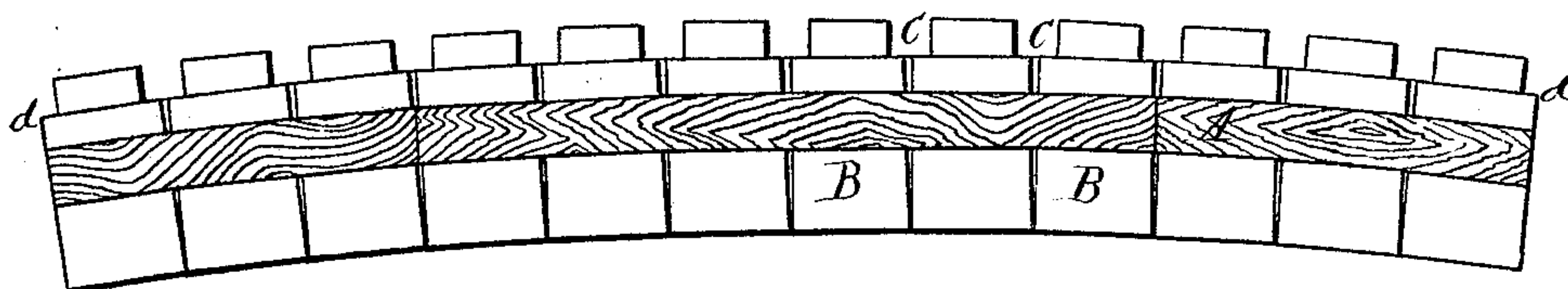
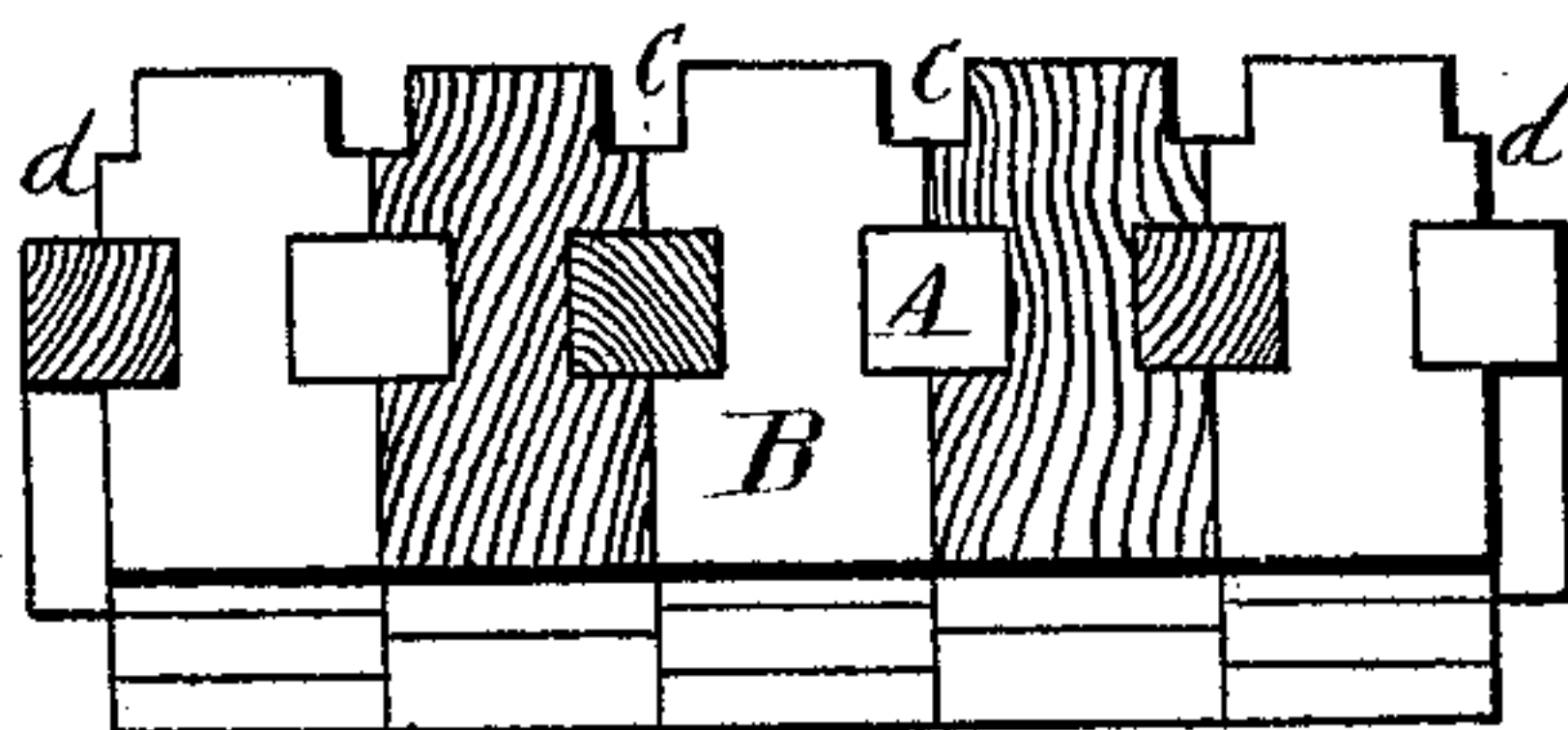


Fig. 3.



WITNESSES
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UNITED STATES PATENT OFFICE.

ZEBINA E. FOBES, OF TROY, NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT
TO HENRY PATCHIN, OF BENNINGTON, VERMONT.

IMPROVEMENT IN WOOD PAVEMENTS.

Specification forming part of Letters Patent No. 126,454, dated May 7, 1872.

To all whom it may concern:

Be it known that I, ZEBINA E. FOBES, of Troy, in the county of Rensselaer and State of New York, have invented a new and valuable Improvement in Wood Pavement; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a plan view of my invention. Fig. 2 is a transverse section of the same. Fig. 3 is a section taken lengthwise of the street.

This invention has relation to wood pavements; and the novelty consists in the hereinafter-described method of grooving and attaching the blocks to curved girders, in order to produce the proper arch and render the pavement firm. The novelty of this invention also consists in the method of constructing the upper parts of the blocks, so as to produce spaces for receiving the filling, composed of equal parts of Portland or water cement and slaked lime, incorporated together.

Referring to the accompanying drawing, A represents arched keys or girders, having their vertical sides parallel, and their upper and lower surfaces concentric with the arch to which the pavement is to be laid. B designates square blocks, having in their sides grooves cut to coincide with and receive the girders A. The grooves are cut to a depth equal to one-half the width of the girders, so as to allow the blocks to be brought close to-

gether when keyed by said girders. The girders and transverse rows of blocks are laid alternately, the blocks falling into arches coinciding with the curve of the girders. By reason of the shape and arrangement of the blocks, wedge-shaped crevices are left between their plane sides, into which the cementing material enters, and assists in cementing and tightening the blocks.

The blocks are laid so that the joints between those in one row shall come opposite the middle parts of the blocks in the adjacent rows. The continuity of the longitudinal grooves is thereby broken, and greater rigidity of the blocks thereby obtained. The blocks are rabbeted at their upper ends, so as to produce grooves, C, between them, the shoulders *d* serving as the bottoms of the grooves. These grooves are filled with a composition of slaked lime and Portland or water cement, mixed together in about equal proportions.

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

The arched wooden pavement herein described, constructed with arched girders A, and grooved and rabbeted blocks B, the interstices between the latter being filled with cement, as specified.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

ZEBINA E. FOBES.

Witnesses:

D. D. KANE,
G. E. UPHAM.