

(No Model.)

E. DORR.

BLOCK FOR CONCRETE PAVEMENTS.

No. 391,785.

Patented Oct. 30, 1888.

Fig. 1.

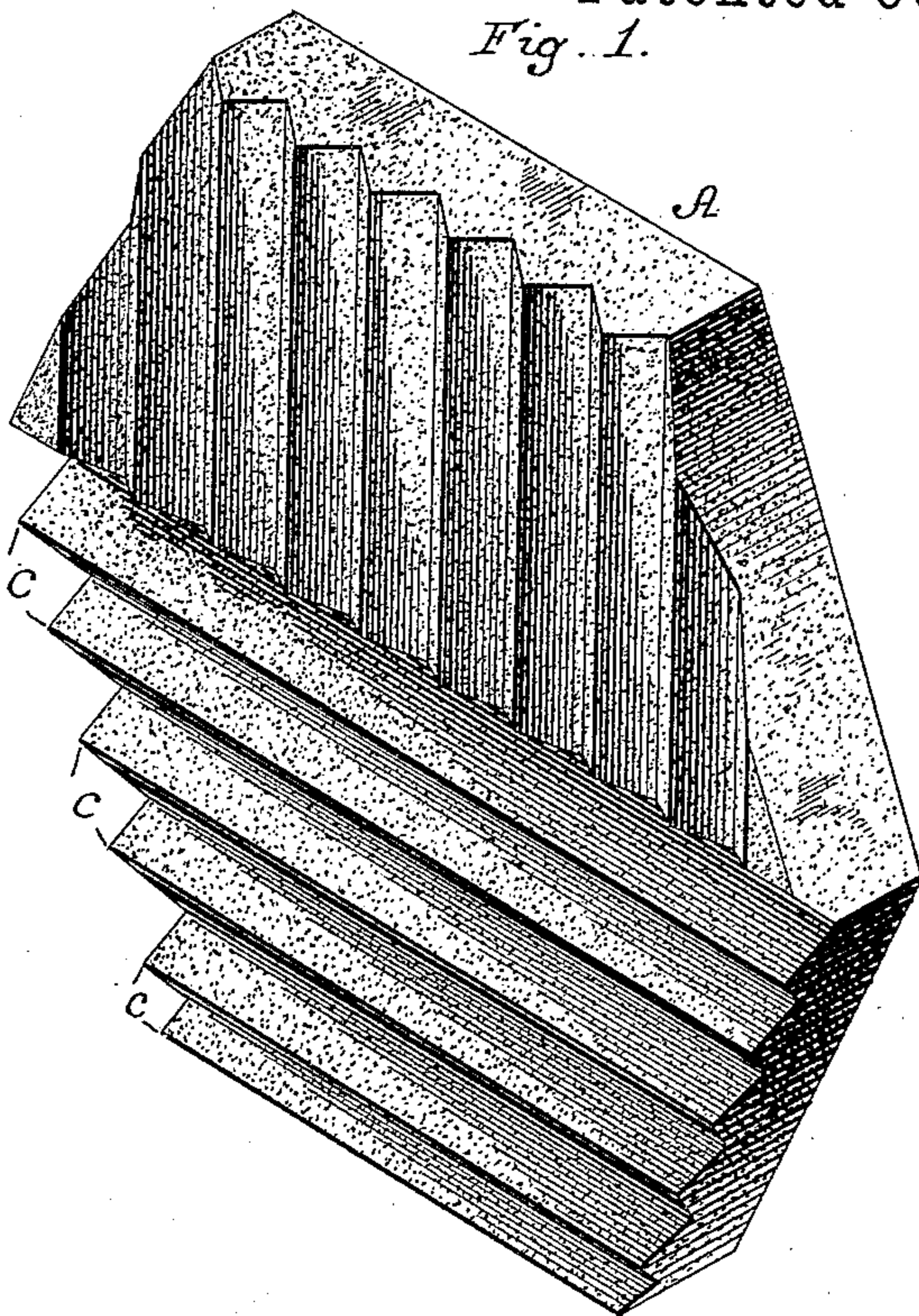


Fig. 2.

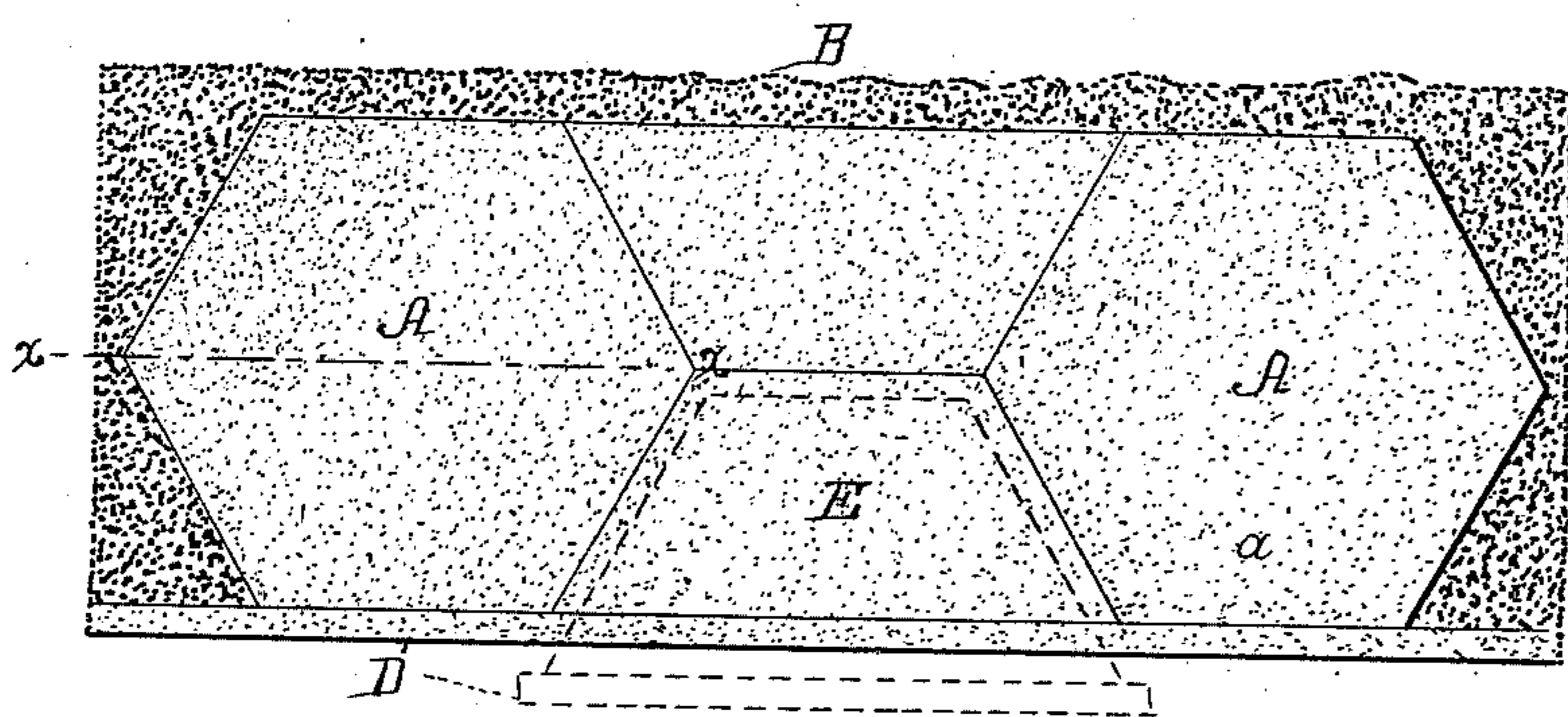
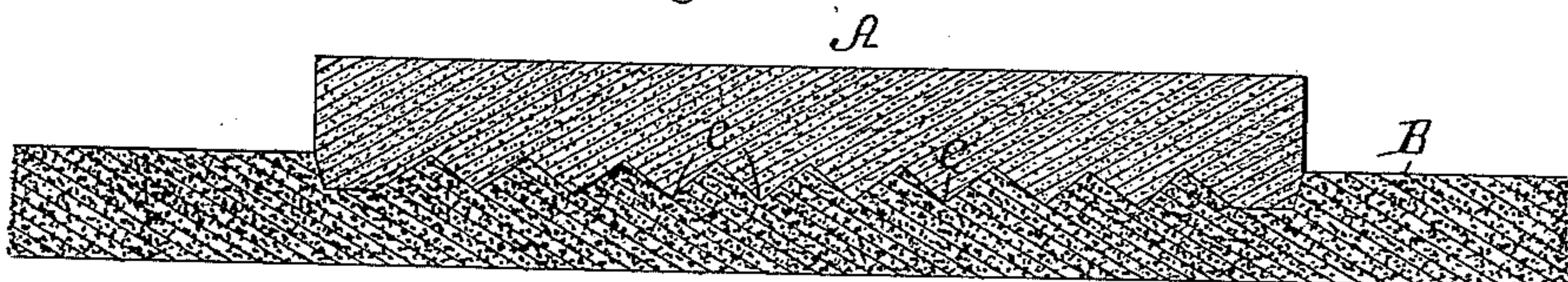


Fig. 3.

WITNESSES.

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BLOCK FOR CONCRETE PAVEMENTS.

SPECIFICATION forming part of Letters Patent No. 391,785, dated October 30, 1888.

Application filed September 27, 1887. Serial No. 250,804. (No model.)

To all whom it may concern:

Be it known that I, EDWARD DORR, of Kansas City, Jackson county, Missouri, have invented a new and Improved Concrete Paving-
5 Block, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

This invention relates to blocks used in constructing sectional concrete pavements; and it may be said to consist in a concrete block provided with a roughened under surface and a comparatively smooth upper surface, substantially as hereinafter set forth, and pointed out
15 in the claims.

The object of my invention is to prevent side movement or sliding of the blocks on their foundations.

In the drawings, which illustrate the manner of carrying out my invention, Figure 1 is a perspective view of one of my improved concrete blocks. Fig. 2 is a vertical sectional view of a block on its foundation, taken on line *xx*, Fig. 3. Fig. 3 is a broken plan view
25 of a sectional pavement illustrating my invention.

A indicates the block, which may be formed of concrete in any desired way and in any preferred form, although I have found that the
30 hexagonal form is best suited to the arrangement of this class of pavements, and hence I would prefer to use such form, as shown. The block A is to be provided with a roughened or serrated under surface, *b*, which is to be
35 formed upon it during the process of its manufacture, preferably by means of suitable molds, and it has a comparatively smooth upper surface, *a*. My preferred form of under surface for the block is to provide it with a series of
40 corrugations, *c*, a portion of them extending across in one direction, while the remaining ones are located at a right angle to the others, as shown.

In practice the blocks that are so constructed are to be laid with roughened under surface downward upon a suitable foundation of soft or plastic material, so that the projections upon their under surface will sink into the plastic material and hold said blocks se-

curely in the position in which they are placed
50 and prevent side movement during use. I prefer to lay them upon a foundation of plastic concrete, B, and the blocks should be laid upon the foundation while it is in a plastic condition, so that the projections upon their under surface may sink into the foundation and
55 become securely embedded therein, as indicated more clearly in Fig. 2.

For the purpose of more clearly setting forth the merits of my invention than I otherwise could, I have exhibited in Fig. 3 a portion of a walk or pavement showing the manner of laying the hexagonal blocks in position.

Heretofore with blocks of hexagonal form it has been necessary to divide them into halves
65 for the purpose of filling up the spaces between the outer edge of the pavement and the body thereof, and during use much trouble has been experienced by the smaller blocks (indicated by letter E) becoming loosened upon the foundation by the action of frost, or from other causes, and becoming separated from the larger blocks, thereby disfiguring and in some cases breaking out a portion of the border D, which latter is also formed of concrete, as indicated
75 by dotted lines.

Having thus described my invention, what I claim is—

1. A concrete block, substantially as described, a portion of the under surface of
80 which is provided with a series of corrugations or serrations which extend in one direction, and the remaining portion of such under surface having corrugations or serrations which extend at an angle to those of the first-named series.

2. A concrete block having corrugations upon one half of its under surface, and the other half thereof provided with corrugations located at right angles to the first-named series, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD DORR.

Witnesses:

S. S. MOREHOUSE,
F. G. FISCHER.