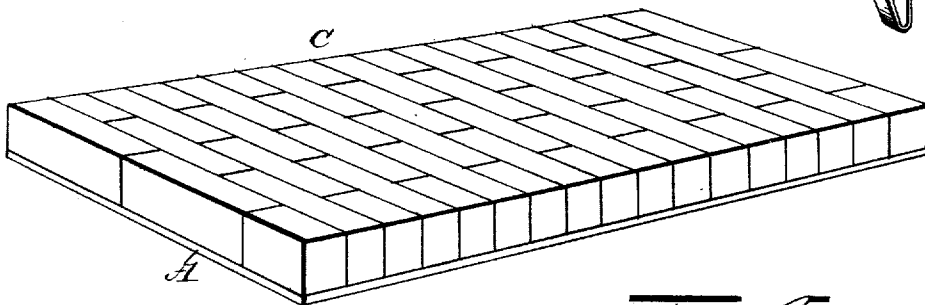
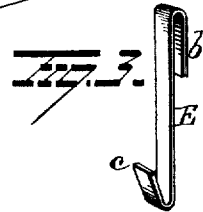
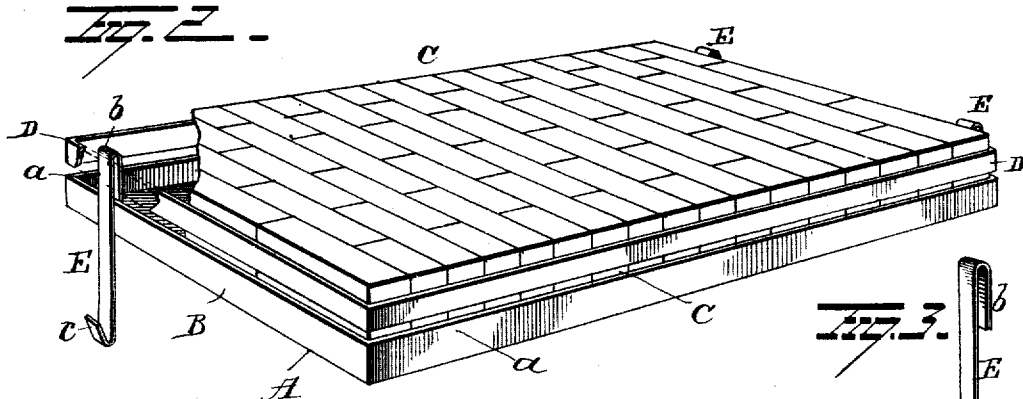
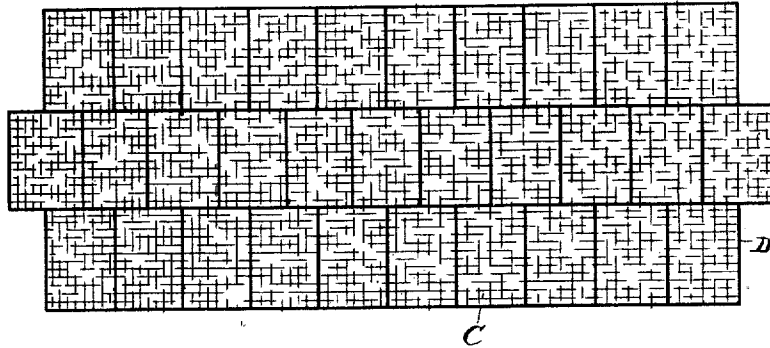


(No Model.)

S. BREDEN & J. SHERIDAN.
PAVING BLOCK.

No. 475,924.

Patented May 31, 1892.



17.4

Witnesses
E. J. M. Mingham
G. J. Downing

Inventors
Stephen Borden &
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By their Attorney
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UNITED STATES PATENT OFFICE.

STEPHEN BREDEN AND JAMES SHERIDAN, OF FRANKLIN, PENNSYLVANIA.

PAVING-BLOCK.

SPECIFICATION forming part of Letters Patent No. 475,924, dated May 31, 1892.

Application filed September 4, 1890. Serial No. 363,916. (No model.)

To all whom it may concern:

Be it known that we, STEPHEN BREDEN and JAMES SHERIDAN, of Franklin, in the county of Venango and State of Pennsylvania, have
5 invented certain new and useful Improvements in Paving-Blocks; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

Our invention relates to an improvement in paving-blocks, and has for its object to produce a substantial paving-block which may be laid on a road-bed without other labor than
15 that of leveling the road-bed.

A further object is to produce a paving-block made up of metal, brick, or other filling material, and to so unite said parts that a solid substantial block may be formed.

20 A further object is to provide a paving-block with means for anchoring the same when placed in position on the road-bed.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of
25 parts, as hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view illustrating a road-bed having our improved blocks placed thereon. Fig. 2 is a perspective view of one of the blocks having a
30 portion broken away to show the construction of the several parts. Fig. 3 is a detached view of the anchoring-rod, and Fig. 4 is a modification showing the separate blocks secured to
35 a plain base.

A represents a metallic plate, preferably steel, having flanges *a* at its edges, whereby a shallow metallic pan B will be produced.

40 Placed within the shallow pan B is a series of hard-burned brick C or a mixture of sand, gravel, and asphaltum or other hardening mixture, said bricks being preferably about the size of ordinary bricks, and the whole
45 block when the pan B is filled with these bricks being about three feet by six feet or of other convenient size. The block thus formed will be treated with cement and exposed to a heat sufficient to cause the cement
50 to fill the spaces between the bricks and produce with the pan B one hard and solid block. The bricks C are bound at a point slightly removed from the flanges *a* with a

metallic band D, whereby they will be firmly bound together and prevented from lateral
55 movement. To maintain the block firmly to its seat in the road-bed, a series of anchoring-rods E are provided, said rods being formed at their upper ends with a hook *b*, adapted to engage the blocks and at their lower ends with
60 lateral and upwardly-projecting tangs *c*. Thus it will be seen that when the anchoring-rods are driven in the ground their withdrawal will be rendered practically impossible by the
65 tangs *c* and the block thus firmly anchored to the road-bed. In places where the lifting up of the pavement for repairs or laying of pipe, &c., is not required the construction of the device may be so altered as to lay the
70 bricks on the steel or metal bottom without the flanges or binders being used, practically only increasing the size of the blocks without departing from the spirit of our invention.

It is evident that slight changes might be made in the details of construction and materials employed without departing from the
75 spirit of our invention. Hence we do not wish to limit ourselves to the precise details of construction and materials above set forth; but, Having fully described our invention, what
80 we claim as new, and desire to secure by Letters Patent, is—

1. A paving-block consisting of a metal base, blocks mounted thereon, and a band extending around the blocks, substantially as
85 set forth.

2. A paving-block consisting of a shallow metallic pan, a series of bricks located therein, said bricks and pan being united at adjacent surfaces, and a band binding said bricks
90 together at or near their outer ends, substantially as set forth.

3. A paving-block consisting of a metallic base, a series of independent blocks secured to the base and to one another, and a band
95 secured around the blocks at a point at or near the upper ends of the blocks, substantially as set forth.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

STEPHEN BREDEN.
JAMES SHERIDAN.

Witnesses:

W. W. BRIGHAM,
JOHN LAMBERTON.