

A. MECKERT.
Stone-Pavements.

No. 136,747.

Patented March 11, 1873.

Fig. 1.

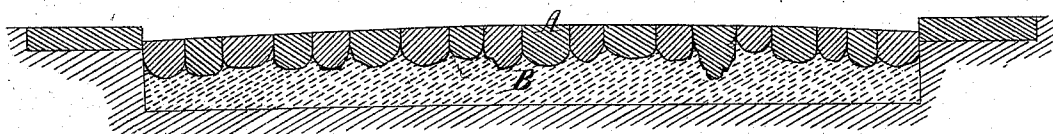
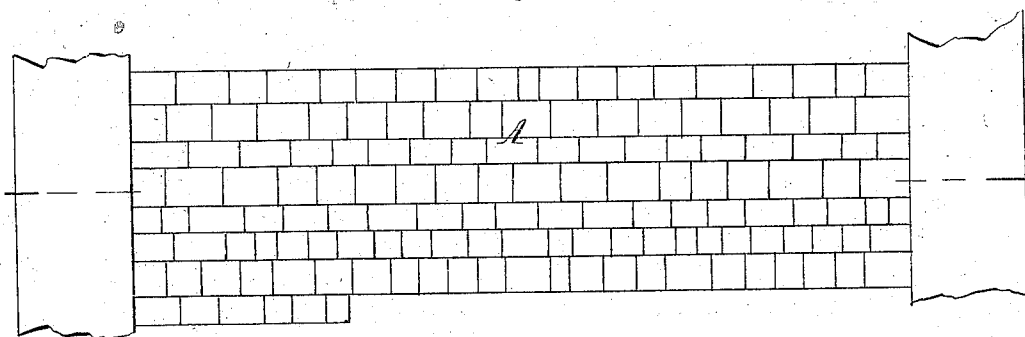


Fig. 2.



Witnesses:
Ernst Bilhuber.
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Inventor:
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per
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UNITED STATES PATENT OFFICE.

ADOLPHE MECKERT, OF GUTTENBERG, NEW JERSEY.

IMPROVEMENT IN STONE PAVEMENTS.

Specification forming part of Letters Patent No. 136,747, dated March 11, 1873.

To all whom it may concern:

Be it known that I, ADOLPHE MECKERT, of Guttenberg, in the county of Hudson, in the State of New Jersey, have invented a new and Improved Pavement; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a vertical section of my pavement. Fig. 2 is a plan or top view of the same.

Similar letters indicate corresponding parts.

The object of this invention is to convert ordinary cobble-stone pavement into a firm, smooth, and durable pavement, similar in appearance and superior in durability to the pavement known as the Belgian pavement. My pavement consists of blocks of stone made from cobble-stones by trimming off the sides and upper surfaces of said stones, while the under surfaces are left to remain in their natural convex shape, in combination with a sub-bed of sand, into which these paving-stones are rammed, with their convex sides down, in such a manner that, by the convex lower surface of the stone-blocks, the sand is caused to wedge itself firmly in between the adjoining blocks, and thereby great stability is imparted to the pavement, while the nature of the blocks itself prevents them from wearing off for a long time.

In the drawing, the letters A A designate a series of my paving-blocks, which are adjusted side by side, as shown. These blocks I prepare from ordinary cobble-stones by trimming off the sides and upper surfaces of said stones, while their under surfaces remain in their nat-

ural convex state. After the blocks have been thus prepared I place on the road-bed a layer, B, of sand, about one and one-fourth foot (more or less) deep, and in the sand-bed I set the blocks with their convex sides turned downward, selecting for each row running across the street blocks of uniform width. After the blocks have been set I ram them down into the sand-bed to the depth of three inches, (more or less,) and as the convex lower surfaces penetrate down into the sand the sand is displaced and forced upward so as to wedge itself into the joints between the adjoining blocks; and by these means all the blocks are firmly retained in position, and a pavement is obtained which is cheap and durable, and the surface of which is smooth enough, so that vehicles can pass over it with ease, while the interstices between the adjoining blocks give a good foot-hold to the draft animals.

The great advantage of my invention consists in the fact that it enables me to convert ordinary cobble-stone pavement into a neat, firm, and smooth pavement at a comparatively small cost.

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

A pavement composed of blocks A of stone, being flat on their sides and upper surfaces, while their lower surfaces are convex or hemispherical, said blocks being set in a bed of sand and rammed down so as to cause the sand to wedge itself in between the adjoining blocks, substantially as shown and described.

This specification signed by me this 28th day of January, 1873.

ADOLPHE MECKERT.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.