

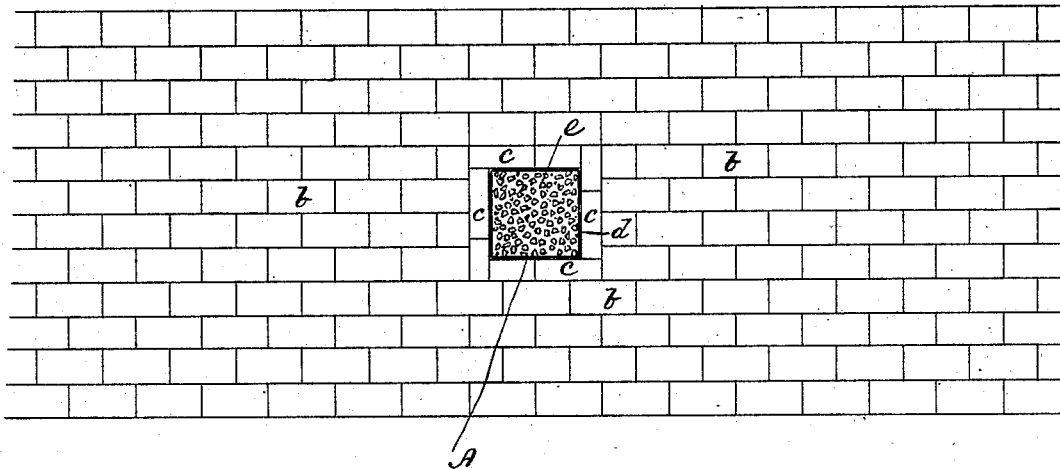
(No Model.)

L. R. SASSINOT.  
BRICK WALK OR PAVEMENT.

No. 305,243.

Patented Sept. 16, 1884.

*Fig 1.*



*Fig 2.*



WITNESSES:

*John Cook*  
*C. Sedgwick*

INVENTOR:

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# UNITED STATES PATENT OFFICE.

LOUIS R. SASSINOT, OF NEW ORLEANS, LOUISIANA.

## BRICK WALK OR PAVEMENT.

SPECIFICATION forming part of Letters Patent No. 305,243, dated September 16, 1884.

Application filed August 12, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, LOUIS R. SASSINOT, of New Orleans, in the parish of Orleans and State of Louisiana, have invented new and  
5 useful Improvements in Brick Walks or Pavements, of which the following is a full, clear, and exact description.

This invention relates to the repairing and construction of brick walks or pavements, including garden and other walks.

10 In ordinary brick-paved sidewalks and other brick walks or pavements in which the bricks, bound together by mortar, are laid upon a foundation of sand, broken brick, gravel, &c., the same, owing to the varying  
15 pressures or loads which are brought to bear upon different portions of the surface of the pavement, or owing to the varying solidity of the foundation at different points, or owing to both, or different causes, soon become loose  
20 and irregular on their surfaces, forming pools, &c. When a brick walk or pavement is in this condition, I raise some of the flat-laid bricks where the irregularity occurs and turn them up edgewise; or, when the raised bricks  
25 are too broken or otherwise unsuitable, replace them by fresh brick laid up edgewise, so as to form walled open-topped chambers, or cavities of square or any other suitable shape  
30 in the walk or pavement. These chambers I then coat or line with a suitable thick paint or plaster, using, for instance, a mixture of plaster-of-paris and tar. Such lined receptacles or chambers are then filled with any suitable loose earthy material mixed with cement—  
35 as, for instance, well mixed dry sand, with or without brick-dust, and hydraulic cement—and the whole afterward faced with a silicate solution—such as the silicate of potash, soda, &c.—thereby forming a hard and durable concrete mass resembling stone or marble, and capable of resisting most or all weathers. An  
40 imperfect brick walk or pavement may thus be repaired without taking up the whole pavement, and the same bricks that were originally used in the construction of the pavement may be utilized for the purpose by simply turning them up edgewise. The sidewalk or pavement may not only be thus patched at distances apart, but may be regularly laid out in  
50 square or other shaped brick-walled concrete

masses, and new walks or pavements be constructed in like manner.

Reference is to be had to the accompanying drawings, forming part of this specification, 55 in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 represents a top view of a brick walk or pavement, with a single chamber having the concrete mass in it, as described, and 60 Fig. 2 a vertical longitudinal section of the same.

In the drawings, *aa* indicate the foundation of sand, broken brick, gravel, or other suitable material, and *b b* the flat or other regular 65 laid bricks of the pavement. *cc* indicate the bricks which have been removed and set up edgewise to form the chamber *A*, which is lined with plaster-of-paris and tar *d*, or other plastic substance, and afterward filled with 70 suitable loose earthy material and hydraulic cement, *e*, topped off or faced with a silicate solution to form a hard and durable concrete mass, as described.

Having thus described my invention, I claim 75 as new and desire to secure by Letters Patent—

1. The method herein described of repairing or constructing brick walks or pavements, which consists in forming walled receptacles or chambers in them by arranging certain of 80 the bricks edgewise, and afterward lining said chambers with a plastic substance, and subsequently filling them with a concrete mass having a water-proof surface, substantially as specified. 85

2. A brick walk or pavement made with one or more recesses or chambers in it, the walls of which are formed by brick set up edgewise and afterward lined, and the interior of which are filled with sand and hydraulic cement, with or without brick-dust, 90 and the whole mass covered with a soluble silicate, essentially as described.

3. The chambers or recesses in the brick walk or pavement, walled with brick set up edgewise, as described, and lined with a mixture of tar and plaster-of-paris, substantially as specified. 95

LOUIS R. SASSINOT.

Witnesses:

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