(No Model.) 3 Sheets—Sheet 1.

L. PROMOLI.

TERRO-METALLIC PAVING STONE, SLAB, &c.

No. 345,726. Patented July 20, 1886.

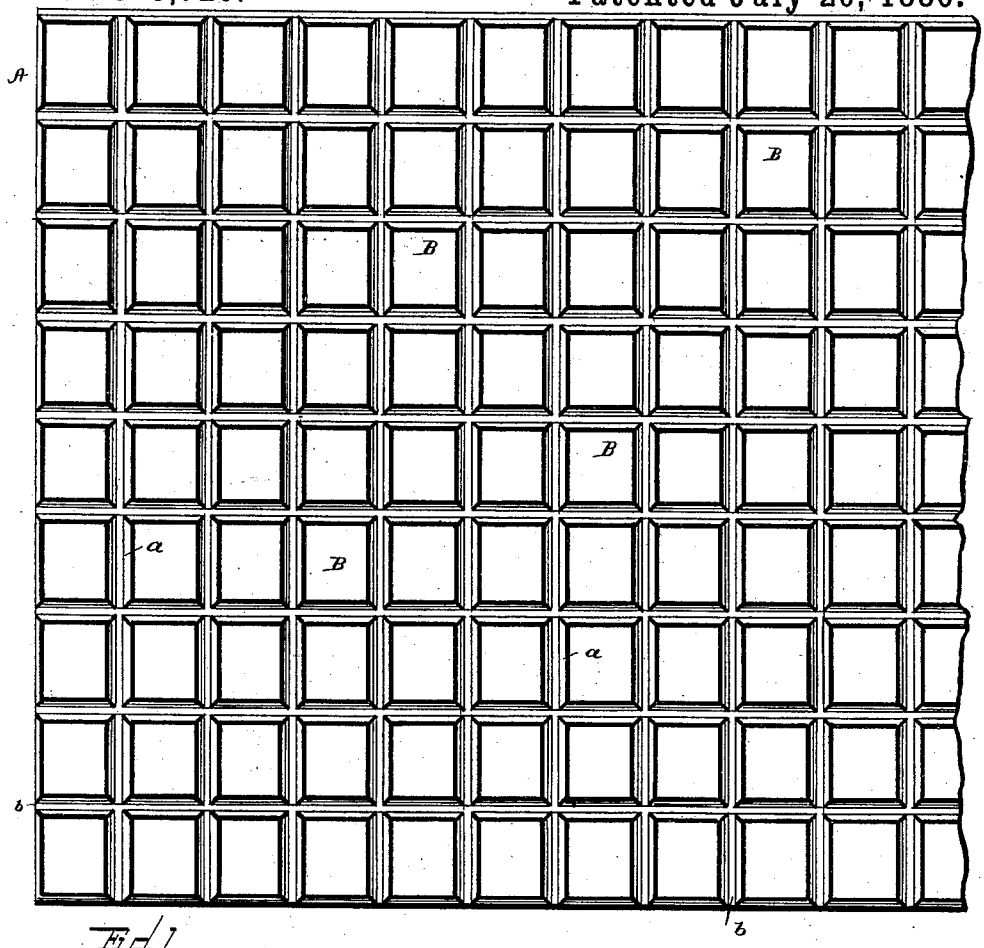


Fig. 1.

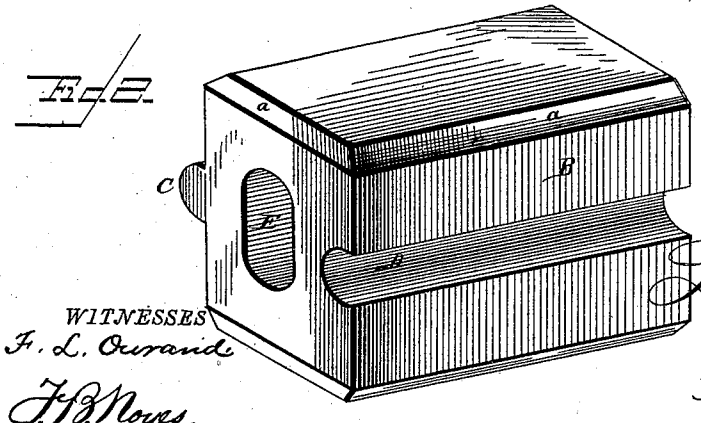


Fig. 2.

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Fig. 3.

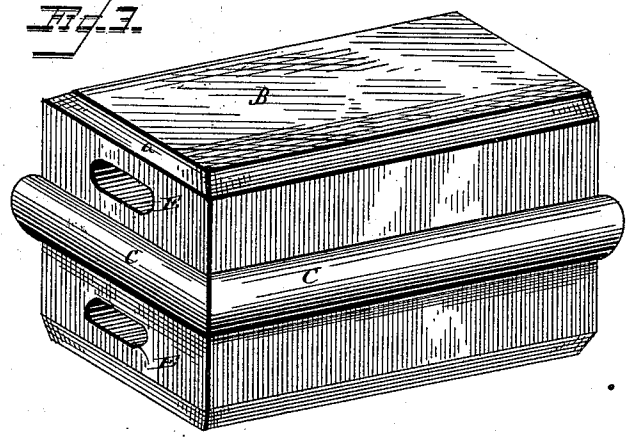
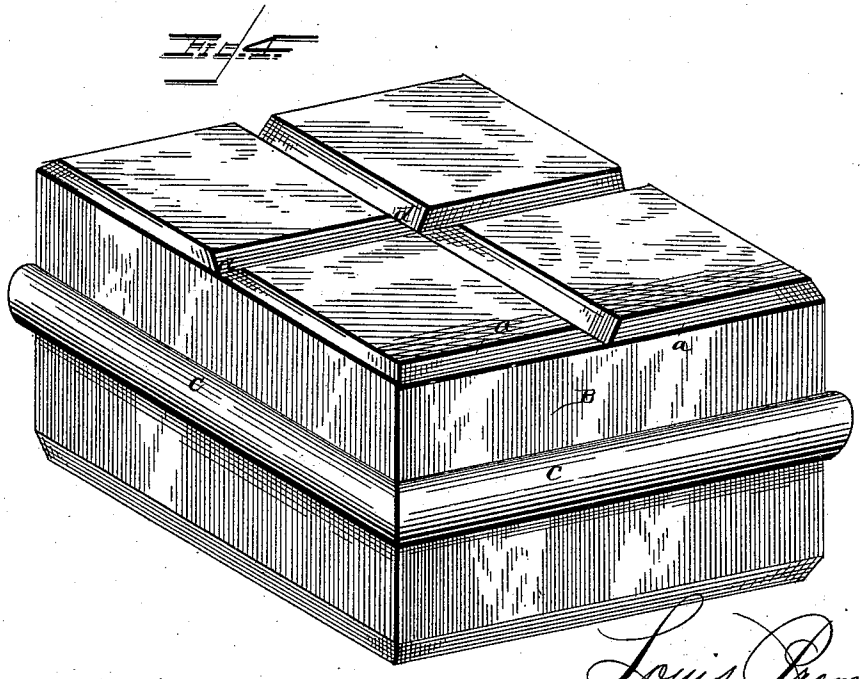


Fig. 4.



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Fig. 5.

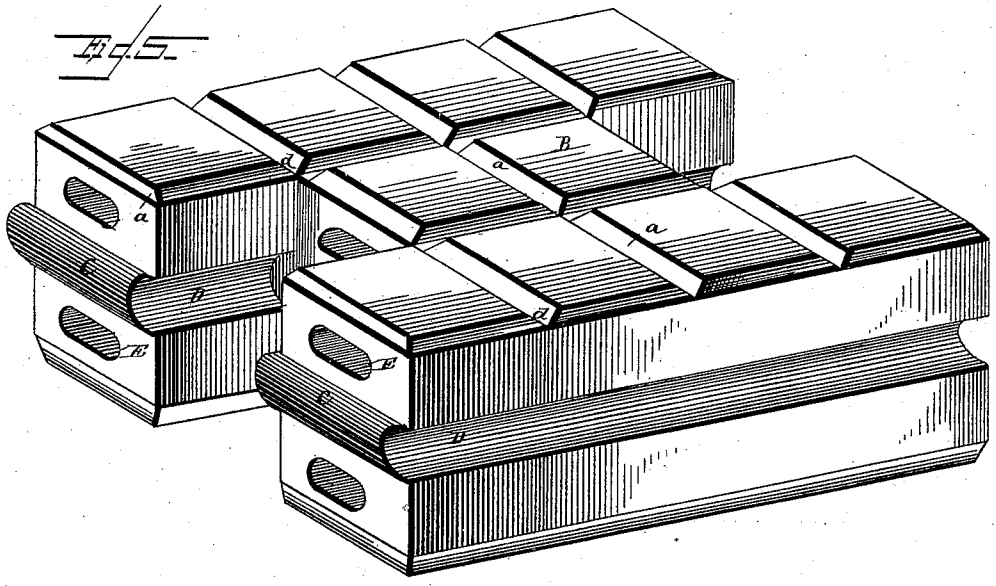
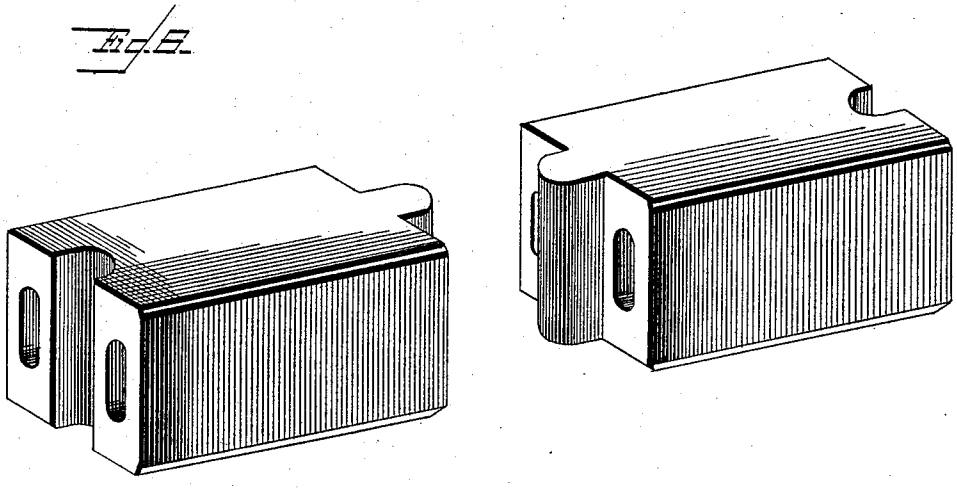


Fig. 6.



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UNITED STATES PATENT OFFICE.

LOUIS PROMOLI, OF TORONTO, ONTARIO, CANADA.

TERRO-METALLIC PAVING-STONE, SLAB, &c.

SPECIFICATION forming part of Letters Patent No. 345,726, dated July 20, 1886.

Application filed May 16, 1885. Serial No. 165,753. (No model.) Patented in Canada February 27, 1882, No, 14,260.

To all whom it may concern:

Be it known that I, LOUIS PROMOLI, a subject of the Emperor of Germany, manufacturer, residing at the city of Toronto, in the county of York, and Province of Ontario and Dominion of Canada, have invented certain new and useful Improvements in Terro-Metallic Paving-Stones, Slabs, Tiles, or the like; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in paving-stones designed for use in streets, sidewalks, stables, cellars, house-yards, &c.; and it has for its object to construct the same in such a manner that when laid the raising or sinking of an individual stone below or above a line on a horizontal plane with the remainder of the pavement will be prevented, and to provide a paving-stone which shall be of a minimum weight, thus enabling them to be readily transported at a comparatively slight cost.

With these ends in view, the invention consists in the improved construction and arrangement of parts, hereinafter fully described, and pointed out in the claim.

In the drawings, Figure 1 is a plan view of a portion of a pavement made up from one form of my improved paving-stones. Figs. 2, 3, 4, and 5 are perspective views of different forms employed. Fig. 6 is a detail view of the form of stone used for the curbs.

In the accompanying drawings, in which like letters of reference indicate corresponding parts in all the figures, A represents the pavement, and B the stones composing the same. The said stones B may be of any desired or suitable form; but are preferably rectangular, and formed at their upper ends with beveled edges *a*, which afford a firm foothold for man and beast. The said stones B are preferably formed of clay molded to the proper form, and made by a peculiar process, for which an application for Letters Patent has been filed of even date herewith. The said stones may, if desired, be formed on their upper or exposed faces with any preferred design, or may be left plain, as desired. If desired, said stones may be formed upon their upper faces with channels *b*, adapted to align when the pavement is laid. It will, however, be seen that as the edge of the stones are formed beveled they will form canals *d*, and that this will not be necessary, except in cases where the upper edges of the stones are plain.

The stones B are formed at one side and end with a horizontally-arranged tongue, C, which is located preferably midway the upper and lower end of the stone, while the other side and end are formed with grooves D to receive the tongues of the adjacent end and side stones.

In molding the stones B the same are preferably formed with openings E, which, when the pavement is laid, are filled preferably with sand, this serving to deaden the sound which would otherwise be produced were they (the openings) left unfilled.

In constructing the curb-stones the same are preferably provided at their opposite ends, as shown, respectively, with a groove and tongue, and are also preferably formed with openings to be filled with sand.

The advantages attendant upon the employment of paving-stones constructed as described are numerous, chief among which may be mentioned that they may be readily and quickly laid, that the stones serve to mutually support each other by the ribs fitting the grooves of the next adjacent stone, and also that water, &c., is quickly carried off.

The stones before described are adapted for a variety of purposes; hence I do not wish to be limited to their use for the purposes described.

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

A paving block or stone made hollow and having all its upper edges beveled, a tongue on one side and end of the stone and a groove on the other side and end, substantially as set forth.

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

LOUIS PROMOLI.

Witnesses:

GERHARD HEIMROD,
Imperial German Consul.
WILLIAM MITCHELL,
W. H. BEATTY.