(No Model.)

C. J. EVERETT.

METHOD OF CONSTRUCTING STREET CURBING OF ARTIFICIAL STONE.

No. 382,802. Patented May 15, 1888.

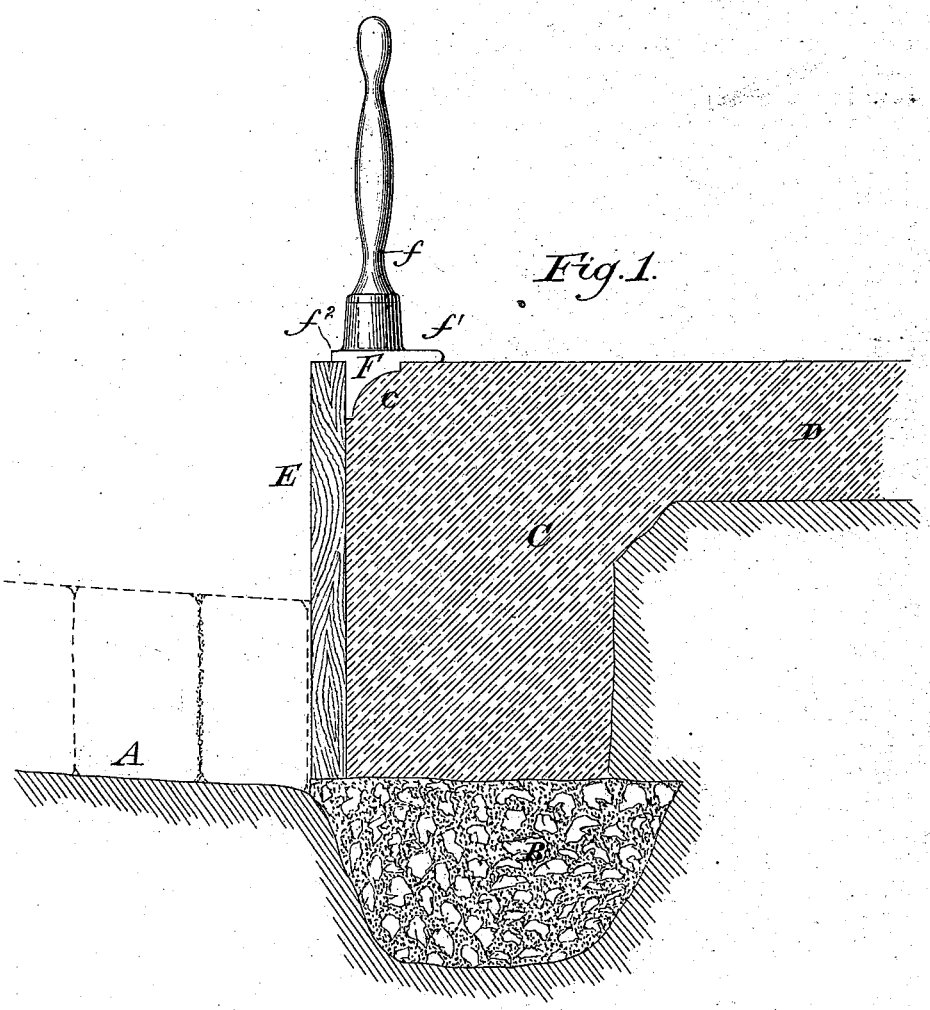

Fig. 1.

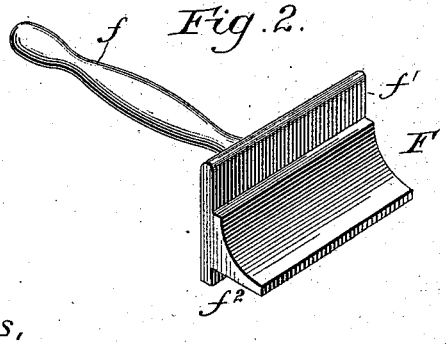

Fig. 2.

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UNITED STATES PATENT OFFICE.

CHARLES J. EVERETT, OF TENAFLY, NEW JERSEY.

METHOD OF CONSTRUCTING STREET-CURBING OF ARTIFICIAL STONE.

SPECIFICATION forming part of Letters Patent No. 382,802, dated May 15, 1888.

Application filed August 29, 1887. Serial No. 248,231. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. EVERETT, of Tenafly, in the county of Bergen and State of New Jersey, have invented a new and useful Improvement in the Method of Constructing Curbings of Artificial Stone, of which the following is a specification.

It is desirable that street-curbing should have at its outer and upper edge an ornamental molding or formation, not only to improve its appearance, but also to turn aside the wheels of vehicles which may strike it, and avoid the nicking or breaking of the curb, as would be caused by a wheel striking a sharp edge.

My invention relates to the method of constructing street-curbing of artificial stone with ornamental moldings at the upper and outer corner of the curb; and it consists in an improvement in the method of constructing street-curbing of artificial stone, consisting in first building the curbing of plastic stone composition and providing a guard and guide plank or plate at the edge of the curbing, and in then forming an ornamental molding and consolidating the surface at the upper and outer corner of the plastic curbing by the combined pressing and rubbing action of a pressing and rubbing tool, guiding the tool meanwhile upon the upper edge of the guard plank or plate.

In the accompanying drawings, Figure 1 represents a sectional view of a curb and a portion of the adjacent sidewalk, and Fig. 2 is a perspective view of a tool which may be employed.

Similar letters of reference designate corresponding parts in both figures.

The street-level below the pavement is designated by the letter A, and B is a foundation of broken stone, concrete, or rubble, on which the curb C, of artificial stone or cement, is laid. D designates a portion of the pavement, which, in this example of my invention, is also formed of artificial stone and combined in one integral structure with the curb.

I desire to form upon the outer and upper corner of the curb C an ornamental molding, *c*, both to give it an ornamental appearance and to turn aside the wheels of vehicles without the chipping or abrasion of the curbing.

In carrying out my invention I first construct this foundation B, and I then place in position a guard plank or plate, E, and afterwards I build behind the plank or plate the curb C, of artificial stone or other compound or cement, which is placed in position in a plastic state and afterward becomes hard and like stone. Having built the curb C and properly leveled it off, and while its material is in a plastic state, I apply to the upper and outer corner a suitable pressing and rubbing tool, F, which has a handle, *f*, and a configuration corresponding to the ornamental molding or formation which it is desired to give the curb. This tool, as here shown, has a comparatively broad flange, f', at one side, which bears upon the top of the curb, and has at the other side a flange, f^2, which bears upon the top of the plank or guard-plate E. The flange f' has a broad bearing on the top of the curb, and prevents the plastic material of the curb from rising or being forced up by the pressure of the tool F on the corner. In finishing the curb by the use of the tool F said tool is applied with both a pressing and rubbing action to the curb, and serves to impart the proper ornamental configuration, *c*, thereto, and by its smoothing and pressing action it consolidates the surface of the curb where applied and makes it a hard and dense structure.

I am aware that a curb of natural stone has had ornamental moldings cut by suitable tools upon its outer and upper edge, and I am also aware that artificial stone of various ornamental forms has been cast within boxes or molds of corresponding ornamental configuration, and I therefore seek to cover only my improved method of constructing curbing of artificial stone, whereby such curbing is made to present the appearance of a curbing of natural stone with ornamental moldings cut by tools, and at a very much less expense.

I am aware of the patent granted April 26, 1887, to G. F. Gray, No. 361,692; and I am also aware of Patent No. 334,125, granted January 12, 1886, to MacDonald. Both said patents are for a jointing-tool, whereby an artificial-stone pavement is laid out in squares or creased to simulate the appearance of separate blocks. Such tool comprises a sharp-edged blade, which, on the one side at least of its cutting-edge, is concaved, so that the V-shaped cut

which is formed in the artificial stone by the tool will have its opposite sides formed with a convex curvature instead of flat. The object of thus forming the V-shaped cut with concave or rounded walls is to prevent the cement from cracking off or crumbling at the cut. In the use of such a tool, as described in the patents above named, the tool is sometimes guided against lateral displacement along the edge of a plank or strip laid upon the cement; but it is forced to the full depth of its cutting-edge into the artificial stone and is not guided upon the top of such plank or strip. In the use of such a tool the convex or rounded edges which are given the blocks of artificial stone are not moldings, and the improvement in the method which forms the subject of my present invention is clearly distinguished from the use of such tool.

In carrying out my invention I form ornamental moldings upon the curbing, and my invention only relates to the method of forming artificial curbing with such moldings. One essential step in my method is providing the guard and guide plank or plate E at the side or edge of the curbing, and another essential step in my method is guiding the pressing and rubbing tool during its use upon the upper edge of the guard plank or plate E, so that it will not, when great pressure is applied to it, sink too deeply into the soft composition.

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

The improvement in the method of constructing street-curbing of artificial stone, consisting in first building the curb of stone composition and providing a guard and guide plank or plate at the edge of the curbing, and in then forming an ornamental molding and consolidating the surface at the upper and outer corner of the plastic curbing by the combined pressing and rubbing action of a pressing and rubbing tool, guiding the tool meanwhile upon the upper edge of the guard plank or plate, substantially as herein described.

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