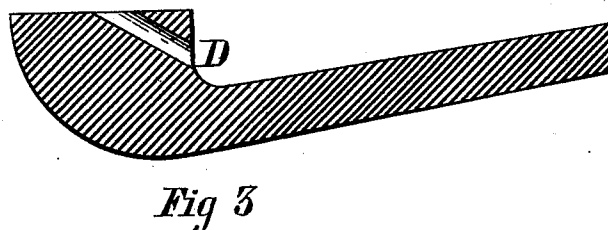
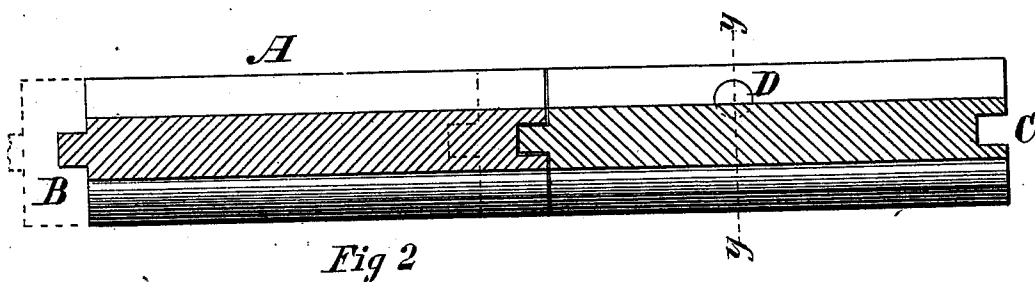
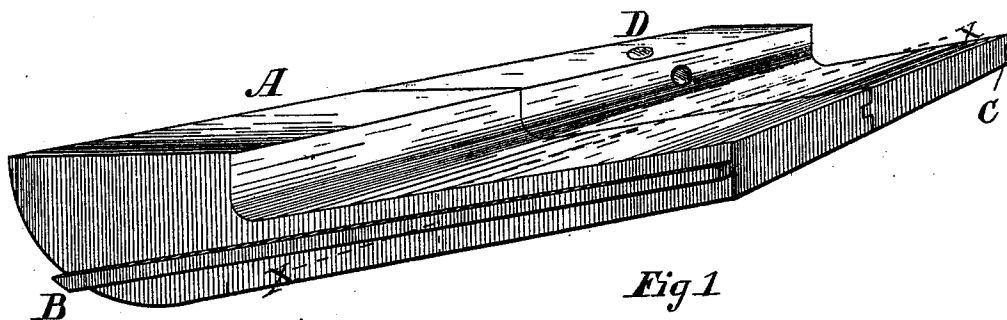


T. W. PHINNEY.
 Combined Curbstone and Gutter for Streets.
 No. 206,130. Patented July 16, 1878.



Witnesses
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UNITED STATES PATENT OFFICE.

THEODORE W. PHINNEY, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN COMBINED CURB-STONE AND GUTTER FOR STREETS.

Specification forming part of Letters Patent No. **206,130**, dated July 16, 1878; application filed April 13, 1878.

To all whom it may concern:

Be it known that I, THEODORE W. PHINNEY, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Combined Curb-Stone and Gutter for Streets, of which the following is a specification:

Figure 1 represents a perspective view of a portion thereof; Fig. 2, a vertical sectional view taken at the line *xx*, Fig. 1; and Fig. 3, a transverse sectional view taken at the line *yy*, Fig. 2.

The object of my invention is to make a cheap, durable, and substantial curb-stone and gutter for streets, that can be readily laid, and at the same time be neat in appearance, sufficiently tight to carry water, and durable.

The invention consists in making a curb-stone and gutter combined, molded from concrete in separate sections, which are then hardened, so as to form finished pieces for sale and use whenever required.

In the accompanying drawings, A represents one piece or section of my combined curb-stone and gutter as it is taken from the mold in which it is formed. The edges are provided with a tongue, B, and groove C, or other equivalent close-fitting joint, which will admit of the pieces being laid, as shown in Fig. 1, making a smooth and continuous curb-stone and gutter.

By molding my combined gutter and curb-stone from a concrete made largely of Portland cement, or other material that will harden after it is molded, so as to make a curb-stone

and gutter nearly or quite as substantial as stone, I am able to make the two combined, and of the required shape and construction to be adapted to the street for the purpose desired without any cutting or expensive labor. I also provide said curb-stone with the hole or opening D, through which the hitching-strap may be tied, to do away with the necessity of hitching-rings and other devices which are now used.

Fig. 3 represents the position in which the curb-stone and gutter is placed when in use, the driveway of the street being filled against the edge E of the gutter.

I contemplate varying the thickness and height of the curb-stone portion, as well as the width and thickness of the gutter portion, of my improvement, and it will be observed that I may use any of the other well-known close-fitting joints that can be readily molded from concrete, instead of the tongue-and-groove joint shown in my application.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

As a new article of manufacture, a combined curb-stone and gutter, A, molded in sections from concrete, which are then dried or hardened to form a finished article, like tiling, ready for laying, and are provided with close-fitting joints, substantially as described.

THEODORE W. PHINNEY.

Witnesses:

W. C. CORLIES,

JNO. C. MACGREGOR.