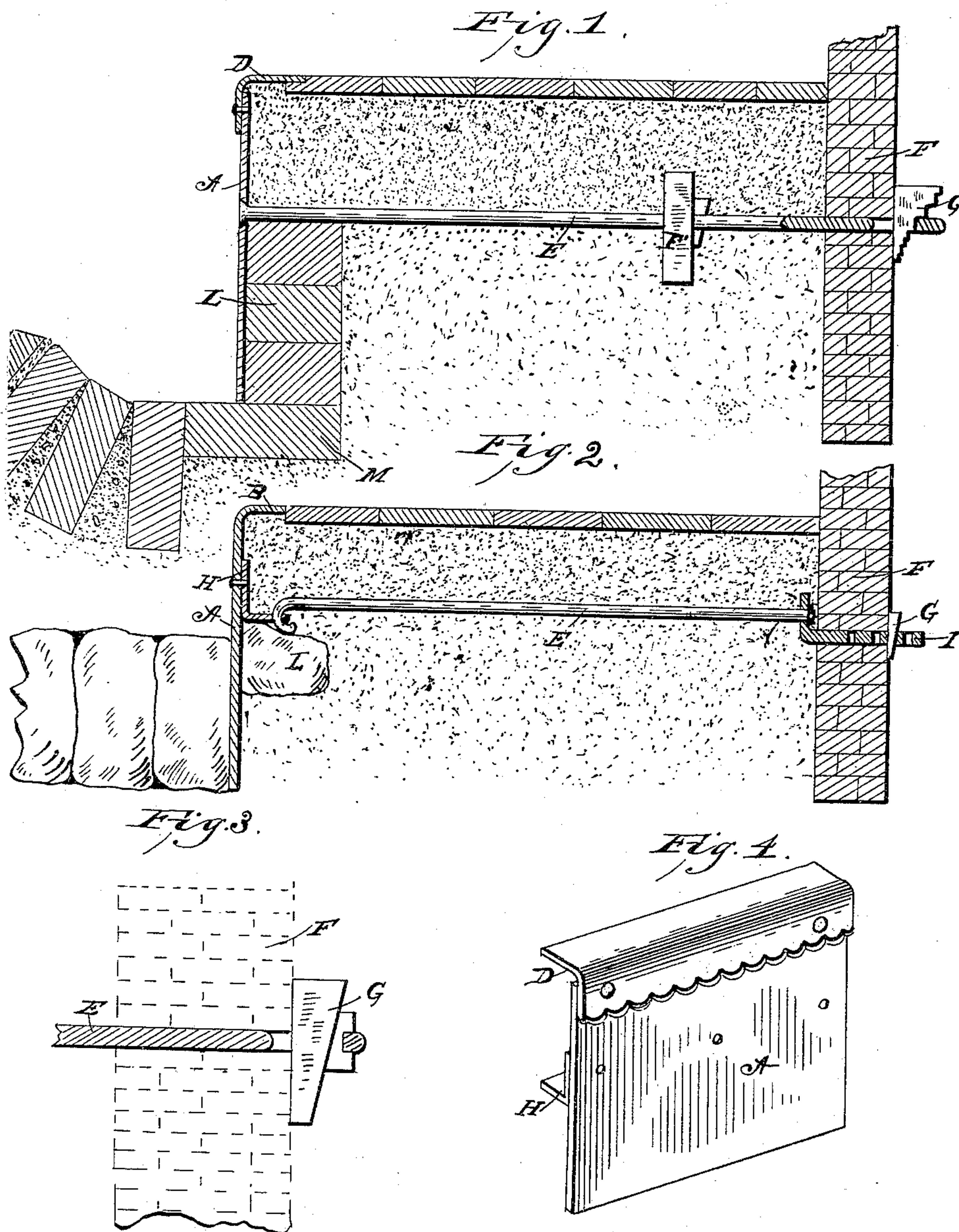


(No Model.)

I. L. LANDIS.
PAVEMENT CURB.

No. 409,469.

Patented Aug. 20, 1889.



WITNESSES
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ISRAEL L. LANDIS, OF LANCASTER, PENNSYLVANIA.

PAVEMENT-CURB.

SPECIFICATION forming part of Letters Patent No. 409,469, dated August 20, 1889.

Application filed December 27, 1888. Serial No. 294,771. (No model.)

To all whom it may concern:

Be it known that I, ISRAEL L. LANDIS, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Pavement-Curbs, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain improvements in curbs for street sidewalks or pavements; and it has for its objects to provide for securing and bracing the curb-plate in position so as to securely bind the foundation
15 or bed of the pavement, as well as the surface blocks or bricks or other material thereof, in position, and also to provide a substantial support for the lower edge of the curb-plate and a backing therefor, and at the same time to
20 form a tight and well-supported bottom for the gutter, as more fully hereinafter explained.

The above-mentioned objects I attain by the means illustrated in the accompanying drawings, in which—

25 Figure 1 represents a transverse sectional view of a pavement or sidewalk and gutter with their supporting-beds, showing my invention applied thereto. Fig. 2 represents a similar view showing a modification of my invention. Fig. 3 represents a detached view
30 showing a portion of the wall of a building and a modification of the clamping device by means of which the curb is held in position; and Fig. 4 represents a perspective view of a
35 curb-plate detached, showing a modification thereof.

Referring to the drawings, the letter A indicates the curb-plate, which is constructed of metal, preferably of cast or wrought iron. The
40 upper edge of the said plate is curved and extended to one side at right angles, as shown in Fig. 2 of the drawings, forming a horizontal flange B; or the flanged portion may consist of a metallic angle-plate D, which is bolted to the plate A, as shown in Figs. 1 and 4 of the
45 drawings. The edge of that portion of the angle-plate which is bolted to the plate A may be scalloped or otherwise ornamented, as shown in Fig. 4 of the drawings, in order to
50 improve the appearance of the curb when set.

The letter E indicates a rod, which is secured to the plate A at one end in any conven-

ient manner, its other end extending through an aperture in the foundation-wall of a building adjacent to the pavement or sidewalk, as
55 indicated by the letter F, the main portion of the rod passing through the bed or foundation below the surface-blocks of the pavement, as shown in Figs. 1 and 2 of the drawings. The rear or inner end of the rod which extends
60 through the building-wall, as shown in Fig. 1, is provided with a slot through which is passed a clamping-block G, by means of which the rod is made to bind and hold the curb-plate in position. The said clamping-
65 block, as shown in Fig. 1 of the drawings, is formed with a series of step-like faces, by means of which the bar may be adjustably secured; but it is evident that a wedge-shaped block may be substituted therefor, as shown
70 in Fig. 3 of the drawings, without departing from my invention. As indicated in Fig. 1 of the drawings, the forward or outer end of the rod is passed through an opening or aperture in the plate A, the said aperture being counter-
75 sunk on the outside and the end of the rod riveted therein, so as to be flush with the outer face of the curb-plate.

As shown in Figs. 2 and 4 of the drawings, the plate A on its inner side is provided with
80 an angle-iron H, which is bolted or otherwise secured thereto, and the said angle-iron is provided with a series of apertures in its projecting ledge, as shown. The binding-rod in this case has a hook formed at its forward end
85 which engages one of the apertures.

Instead of extending the binding-rod through the wall of the building, an angle-iron I may be provided, the horizontal portion of which
90 may be extended through the wall, the said portion being provided with one or more apertures through which the clamping-wedge may be passed. In case this last-mentioned angle-iron is employed, the rear end of the rod is
95 passed through a suitable aperture in its vertical portion and riveted or otherwise fastened thereto.

Although but a single binding-rod has been described and shown in the present instance, it is to be understood that a series of any de-
100 sired number of such rods are to be employed in setting the curb. The curb-plate A may be set directly against the outer side of the bed or foundation of the pavement, as shown

in Fig. 2 of the drawings; but a backing of blocks or bricks L, as shown in Fig. 1, is preferably built at the outer side of the said bed or foundation, against which the plate A rests, 5 and to render the setting more compact and substantial a foundation-block or series of such (indicated by the letter M) may be provided, upon which the backing L is laid, and which also serves as a foundation-rest for the 10 plate A and the bottom of the adjacent gutter.

Instead of or in addition to fastening the clamping-rod to the foundation-wall of a building, it may be anchored to a block F', secured in the foundation of the pavement, as shown 15 in Fig. 1 of the drawings.

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

20 1. The combination, with the curb-plate, of the angle-iron bolted thereto and provided with a series of apertures in its projecting

ledge for the engagement of the hooked ends of the binding-rods, substantially as specified.

2. The combination, with the binding-rod, 25 of the angle-iron having openings or perforations for a binding-wedge and secured to said rod in such manner as to clamp it in position to the foundation-walls of a building, substantially as set forth.

3. The combination, with the curb-plate and 30 its perforated angle-iron, of the hooked rod engaging said plate and the perforated angle-iron and wedge, whereby the rod is clamped to the walls of a building, substantially as specified.

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

ISRAEL L. LANDIS.

Witnesses:

GEO. W. PINKERTON,
J. W. HELRICK.