(No Model.)

G. A. & F. SCHILLINGER.

CURB AND GUTTER.

No. 567,173. Patented Sept. 8, 1896.

Fig. I.

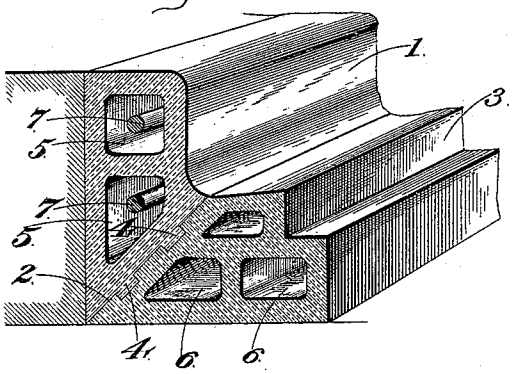


Fig. II.

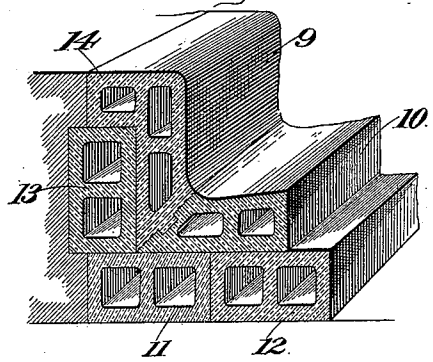


Fig. III.

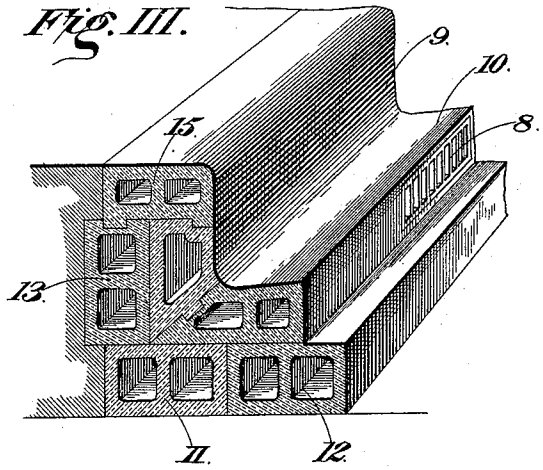


Fig. IV.

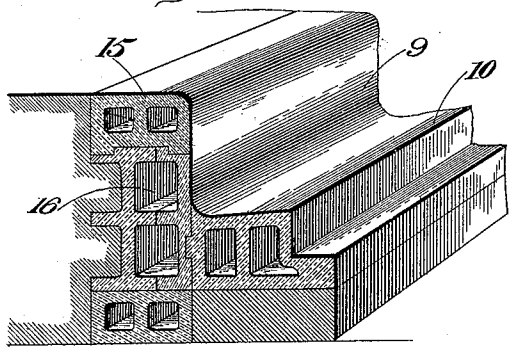
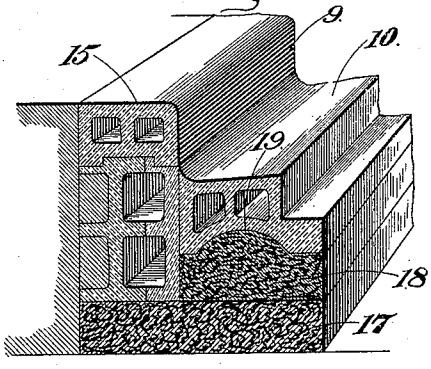


Fig. V.



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UNITED STATES PATENT OFFICE.

GUSTAV A. SCHILLINGER AND FREDERICK SCHILLINGER, OF CHICAGO, ILLINOIS.

CURB AND GUTTER.

SPECIFICATION forming part of Letters Patent No. 567,173, dated September 8, 1896.

Application filed March 14, 1895. Serial No. 541,755. (No model.)

To all whom it may concern:

Be it known that we, GUSTAV A. SCHILLINGER and FREDERICK SCHILLINGER, of Chicago, county of Cook, State of Illinois, have invented certain new and useful Improvements in Curbs and Gutters, of which the following is a specification, reference being had to the accompanying drawings.

The object of our invention is to produce a comparatively cheap curb and gutter, one that is durable and ornamental, and which is adapted to afford a covered conduit for drainage and a conduit for electric wires or for other purposes.

In the accompanying drawings, Figure I is a perspective view of our combined curb and gutter in a simple form. Fig. II is a similar view showing a greater number of component parts. Fig. III is a similar view showing a still greater number. Fig. IV illustrates in similar manner a different mode of forming the chambers in the curb. Fig. V illustrates the manner of producing the necessary fall in the gutter.

Referring to the figures on the drawings, 1 indicates (in Fig. I) a section of curb united on a miter-line 2 with the gutter-section 3. Dowels 4 may be employed for assisting in forming the union between the curb and gutter sections. Both sections are preferably formed of hollow ware with conduits 5 and 6 therein. The conduits 5 may be employed for conducting electrical wires 7, for example, while the conduit 6 may be used for drainage purposes, access from the outside being gained thereto as through grated openings 8.

In Fig. I of the drawings, as above suggested, a simple form of embodiment of our invention is shown.

Figs. II and III illustrate a more complex organization of the parts designed to afford a larger number of conduits and also as being made of smaller pieces to increase the strength of the whole. In Fig. II the main curb and gutter sections 9 and 10, respectively, are shown seated upon base-sections 11 and 12 and secured together by a miter-joint, whereby the weight of the curb-section tends to hold the gutter-section in place and the gutter-section serves to prevent lateral movement of the curb. The top of the curb-section is shown as provided with a rearwardly-extending integral ledge 14, between which and one of the base-sections a lateral curb-section 13 is held, which said lateral section extends beyond the ledge and base-section and upon which the pavement is designed to rest in practice. It will be seen that in this construction the weight of the pavement securely holds the parts in place, but by reason of the several sections the curb and gutter may be entirely removed without tearing up the sidewalk, which would be necessary if the parts were made integral. In Fig. III a somewhat similar arrangement is shown, except that the top of the curb and the ledge are shown as composed of a cap-section 15, which secures the main curb-section and lateral section together by means of longitudinal flanges fitting into recesses in their upper surfaces.

In Fig. IV the conduit-openings in the sections, instead of being formed in one section, may be formed partially in one and partially in the adjacent section, as shown at 16. This method of manufacture is in some cases preferable as affording greater strength and rendering the cleaning of the conduits possible and the insertion of electric wires more readily accomplished.

In Fig. V the curb-sections are shown as resting upon a concrete subbase 17, the gutter-section being somewhat elevated and supported upon a base 18 of material, preferably concrete, capable of being molded into the proper shape to give the gutter-section the proper lateral or longitudinal inclination. The bottom of the gutter-section is preferably provided with a concave groove 19, adapted to receive the upper surface of the subbase, which is molded to fit within the concave groove.

The blocks which compose the sections of our curb and gutter are preferably formed by molding or otherwise in clay, and are afterward baked and vitrified in accordance with processes well understood in the art of treating vitrifying clays.

While we prefer, as above illustrated, to employ hollow sections for making our curb and gutter, we do not limit ourselves to that structure.

What we claim is—

1. The combination with a main curb-section having a rearwardly-projecting ledge, of a lateral curb-section projecting beyond the ledge, and a gutter-section at the opposite side of the main curb-section, substantially as specified.

2. The combination with a curb and gutter made of separate sections united by a miter-joint, of a lateral curb-section having its upper surface below the upper surface of the main curb-section, substantially as specified.

3. A curb provided with a lateral section having its upper surface below the upper surface of the main curb-section, and a gutter-section jointed to the lower edge of the main curb-section by a miter-joint, the miter edge of the gutter-section extending underneath the main curb-section, substantially as specified.

4. The combination with a main curb-section and lateral curb-section, and a cap surmounting said curb-sections extending from the front edge of the main curb-section to an intermediate point above the lateral curb-section, of a gutter-section secured to the curb by a miter-joint, substantially as specified.

5. The combination with a hollow main curb-section provided with drain-gratings, of a lateral curb-section provided with conduits, a cap provided with conduits securing the curb-sections together, and a gutter-section provided with conduits and secured to the main curb-section by a miter-joint, substantially as specified.

In testimony of all which we have hereunto subscribed our names.

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FRDK. SCHILLINGER.

Witnesses:
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