No. 691,794. Patented Jan. 28, 1902.

S. B. MORSS.

COMBINED CURB AND GUTTER.

(Application filed Mar. 24, 1900.)

(No Model.)

Fig. 1.

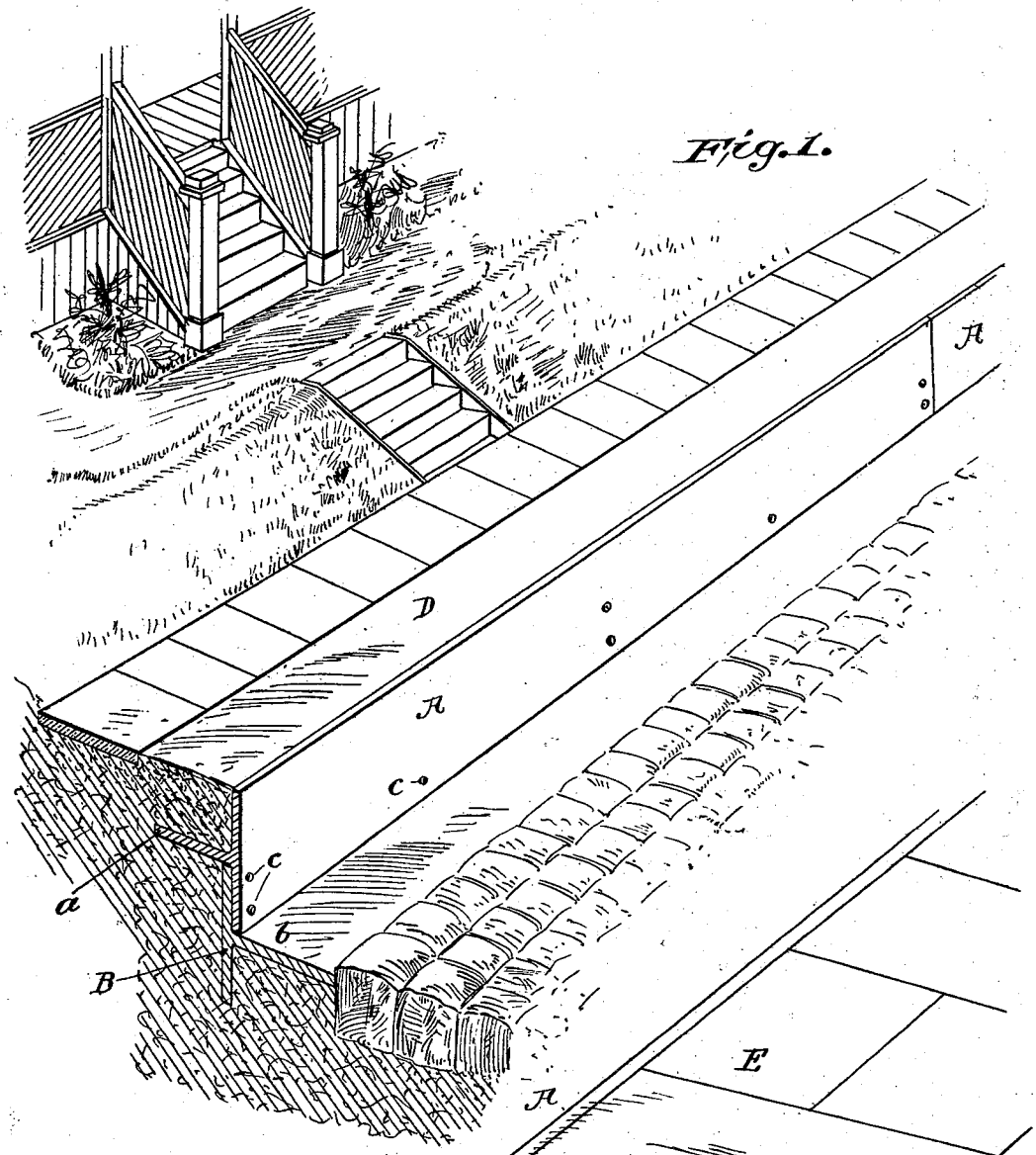
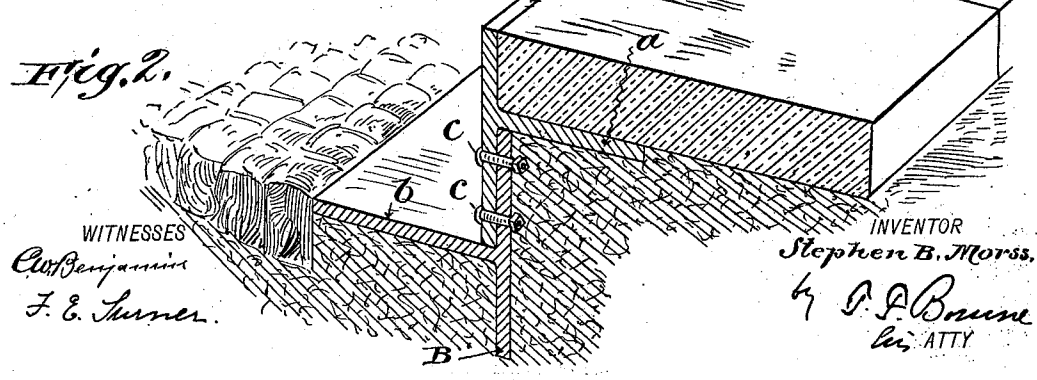


Fig. 2.



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STEPHEN B. MORSS, OF RAHWAY, NEW JERSEY.

COMBINED CURB AND GUTTER.

SPECIFICATION forming part of Letters Patent No. 691,794, dated January 28, 1902.

Application filed March 24, 1900. Serial No. 9,991. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN B. MORSS, a citizen of the United States, residing at Rahway, Union county, State of New Jersey, have invented certain new and useful Improvements in a Combined Curb and Gutter, of which the following is a specification.

My invention relates to an improved curb and gutter made of metal, adapted to have a portion of the sidewalk or pathway superimposed upon one part and set in the earth, so as to produce a vertically-disposed curb and a horizontally-disposed gutter or gutter-pavement support; and in carrying out my invention I provide vertically-disposed longitudinally-extending plates, each provided with an outwardly or horizontally extending web, the plates being preferably substantially T-shaped and having portions of their vertical walls placed side by side and secured together in such manner that the webs of the contiguous plates will project in opposite directions, one web being above the other. By this means the web of one plate serves as a gutter or gutter-pavement support, while the web of the other plate projects toward the sidewalk to receive upon it pathway-earth or a paving-stone or other material.

Reference is to be had to the accompanying drawings, in which similar letters of reference indicate corresponding parts in the views, and wherein—

Figure 1 is a perspective view illustrating my improvement applied in connection with a pathway having earth upon one of the webs of the curb, and Fig. 2 is a substantially similar view showing the upper web having a paving-block upon it.

In the accompanying drawings the letters A B indicate plates or beams disposed longitudinally of a roadway placed on edge and provided with an outwardly-extending web *a* *b*, respectively. The parts A *a* and B *b* are preferably each made of metal rolled to the desired form. Two plates A B are placed together one above the other, so that their meeting walls abut, and are secured together by bolts, rivets, or the like *c*. By preference the distance from the webs *a* *b* to the lower and upper edges of the plates A B, respectively, is such that the corresponding portions of said plates will interlock with or engage the web of the adjacent plate, whereby the web *a* will rest upon the upper edge of plate B and the lower edge of plate A will rest upon the web *b*. By this means the plates are firmly secured together in a vertical direction and are made strong to resist shocks and strains that may come upon the parts. It will be seen that the web *a* is thus located above the longitudinal axis of the connected plates, while the web *b* is below the axis. The combined curb and gutter so organized is to be placed at the junction of the roadway with the pathway, so that the plate A forms the curb, and the web *b* projects toward the roadway to form a gutter or a support for a gutter pavement or covering, and the blocks or other pavement of the roadway can abut against the outer longitudinal edge of web *b*, or if asphalt or other corresponding pavement is used the same may, if desired, be spread over the web *b*. The web *a* projects toward the pathway, and in the form shown in Fig. 1 the earth D of the pathway may rest upon the web *a*, and thus fill the space between said web and the upper portion of plate A. (See Fig. 1.) In Fig. 2 the pavement or blocks E rest upon the web *a* and are shown in contact with the upper portion of plate A, whereby said blocks are supported at one portion. It will be seen also that the earth at the side of the pathway is located in the space between web *a* and plate B and that the earth is in the space between the web or gutter *b* and the lower portion of plate B. By the arrangement shown the combined curb and gutter is maintained in a proper position by the adjacent earth, and the web *a* resists leverage tending to move the curb toward or away from the pathway, while the web or gutter *b* resists the tendency of the curb, and thereby the combined curb and gutter is evenly balanced and is retained in an upright position. The same is also prevented from settling because of the large surface of the webs *a* and *b* presented horizontally to the earth.

The several sections comprised in the plates A B may be made of suitable length and their ends suitably placed together, and they will not be liable to tilt in a vertical direction.

Having now described my invention, what I claim is—

A combined curb and gutter comprising a pair of plates secured together and adapted to be set vertically, one plate having on one side an outwardly-extending web to form a gutter or support for a gutter, and the other plate having on the opposite side below the upper edge an outwardly-extending web, the portion of the plate extending above its web serving with the web to form a seat for the abutting edge of a pavement, substantially as described.

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