



# UNITED STATES PATENT OFFICE.

GEORGE F. EGAN, OF JERSEY CITY, NEW JERSEY.

## SEWER CONSTRUCTION.

Original application filed July 31, 1925, Serial No. 47,281. Divided and this application filed April 9, 1926. Serial No. 100,988.

The present invention relates to sewer construction and constitutes a division of my similarly entitled co-pending application, Serial No. 47,281, filed July 31, 1925.

5 An object of the invention described and claimed in the present application is to provide a sewer construction peculiarly located with respect to the curb and sidewalk and with an improved perforated cover construction mounted flush in the roadway, partially indented beneath the curb and located directly over the receiving basin, whereby to induce free flow of water to the receiving basin while excluding foreign matter therefrom by use of the perforated cover.

15 With the foregoing and other objects in view, the invention will be more fully described hereinafter, and will be more particularly pointed out in the claims appended hereto.

20 In the drawings, wherein like symbols refer to like or corresponding parts throughout the several views,

25 Figure 1 is a plan view of a sewer construction embodying parts of my invention, with parts broken away;

30 Figure 2 is a vertical section of a sewer construction embodying part of my invention, taken on the line 2—2 of Figure 1.

35 In Figures 1 and 2, 50 designates a frame, the horizontal part of which is shown as fitted upon the upper end of the wall 51 of a receiving basin 52. The vertical part of this cover 50 is shown as fitted within an opening in the curb 53. The horizontal part of the frame 50 is shown as provided with a shoulder 49 upon which the horizontal part 48 of the receiving basin cover 48, 48<sup>a</sup> may be seated. The vertical part 48<sup>a</sup> of the cover 48, 48<sup>a</sup> will extend up within an opening in the curb. The horizontal part 48 of the cover 48, 48<sup>a</sup> will be provided with trunnions adapted to enter suitable slots in the horizontal part of the frame 50. The curb is shown as provided with a cut out portion 54. By raising the horizontal part 48 of the cover, the horizontal and vertical parts of which are integral, the cover as a whole may be rocked on the trunnions and the opening into the receiving basin uncovered. When the horizontal part of the cover has been rocked sufficiently far

it will rest against the curb. The raising up of the horizontal part 48 will cause the vertical part 48<sup>a</sup> to move in the cut out portion 54, and this cut out portion 54 will be so shaped as not to interfere with the movement of the vertical part 48<sup>a</sup> therein. While I have shown the cover 48, 48<sup>a</sup> as circular in shape it will, of course, be readily understood, that the cover may be of any desired shape, in which case the frame 50 may be made to conform to the shape of the cover.

55 Within the basin 52 is shown a ladder 55 appropriately supported to enable operators to descend into the basin when the cover 48 is lifted.

60 Shown as leading from the basin at various elevations are conduits 56 and 57 in any suitable number. These conduits may lead to other basins, pipes or to a sewer, indicated at 58. The openings to the pipes 56 and 57 are preferably guarded by traps as shown consisting of the perforated plates 83 over the mouths of the pipes covered by doors 86 having lower perforated portions 90. These traps form the subject matter of a separate application and are, therefore, not further described herein.

65 It is obvious that various changes and modifications may be made in the details of construction and design of the above specifically described embodiment of this invention without departing from the spirit thereof.

70 What is claimed is:—

85 1. A sewer construction, comprising a catch basin having an open upper end, a curb overlying partially the open upper end of the basin, said curb having an under-cut portion above the basin, a frame about the opening of the basin, and an open-work cover removably and pivotally mounted in said frame and comprising a substantially horizontal portion lying across the exposed portion of the opening of the basin and a shorter vertical portion extending flush with the curb line, said short vertical portion adapted to swing in said under-cut portion of the curb, the pivot point of the cover lying in the same plane with the horizontal portion of said cover.

90 2. A sewer and pavement construction

comprising a catch basin extending partially below the roadway and sidewalk, a curb between the sidewalk and roadway having an undercut portion, a frame above the catch basin, a cover for the catch basin comprising horizontal and vertical integral portions, pivot pins extending from the horizontal portion for pivotally holding both portions pivotally in the frame whereby when the horizontal portion is lifted at its free end from the frame the vertical portion will retire into the cut-out portion of the curb.

In testimony whereof I affix my signature.  
GEORGE F. EGAN.