

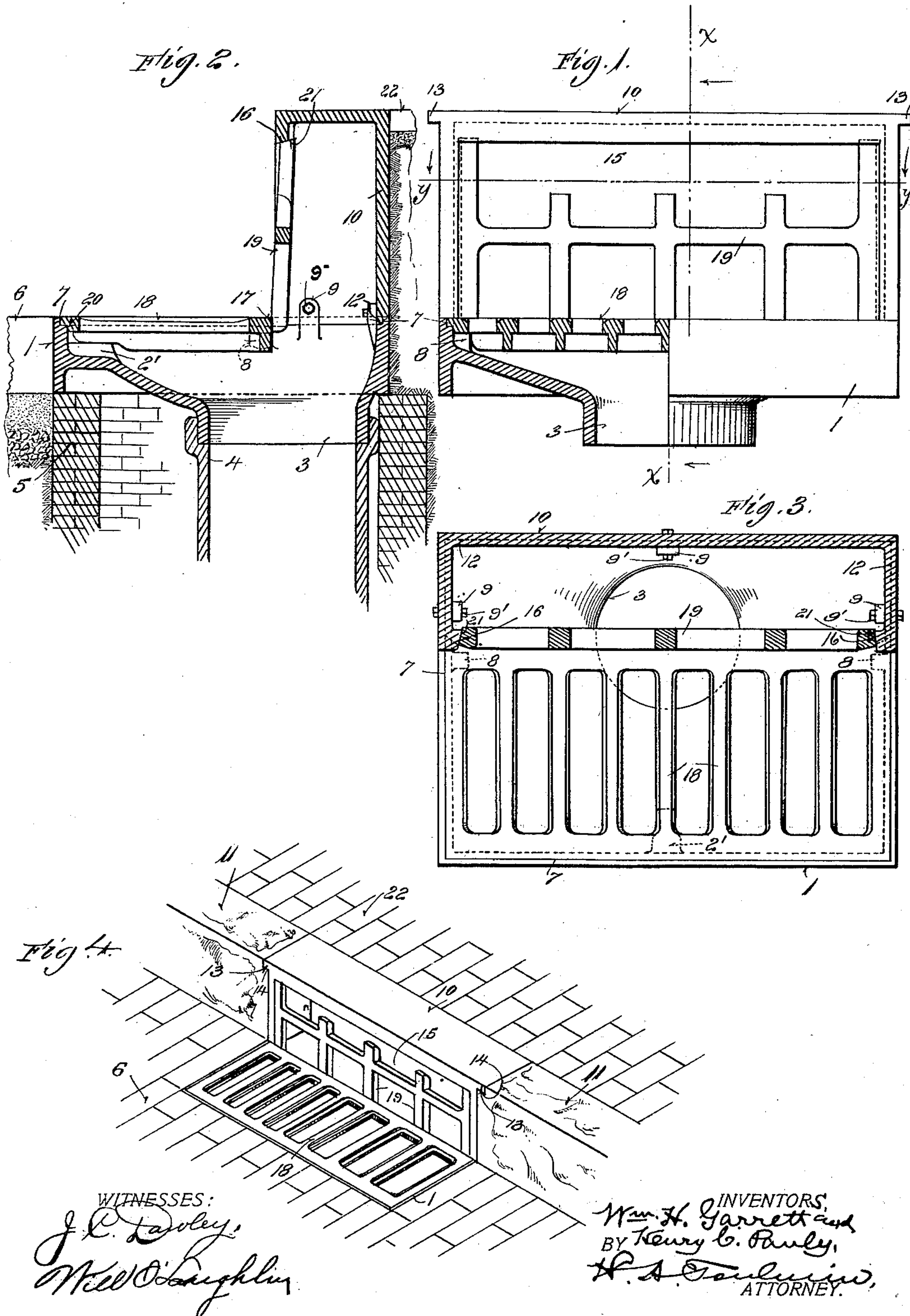
No. 693,511.

Patented Feb. 18, 1902.

W. H. GARRETT & H. C. PAULY.
SEWER INLET.

(Application filed Sept. 16, 1901.)

(No Model.)



UNITED STATES PATENT OFFICE.

WILLIAM H. GARRETT AND HENRY C. PAULY, OF SPRINGFIELD, OHIO, AS-
SIGNORS TO THE HENNESSY FOUNDRY COMPANY, OF SPRINGFIELD,
OHIO, A CORPORATION OF OHIO.

SEWER-INLET.

SPECIFICATION forming part of Letters Patent No. 693,511, dated February 18, 1902.

Application filed September 16, 1901. Serial No. 75,437. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM H. GARRETT and HENRY C. PAULY, citizens of the United States, residing at Springfield, in the county of Clark and State of Ohio, have invented certain new and useful Improvements in Sewer-Inlets, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to sewer-inlets, and has for its object to provide a simple and substantial structure, preferably of cast metal, whereby the sewer-inlet may be properly protected and at the same time rendered readily accessible.

To these and other ends our invention consists in certain novel features, which we will now proceed to describe and will then particularly point out in the claims.

In the accompanying drawings, Figure 1 is an elevation, partly in vertical section, of a structure embodying our invention. Fig. 2 is a vertical sectional view of the same, taken on the line *xx* of Fig. 1 and looking in the direction of the arrows. Fig. 3 is a plan section taken on the line *yy* of Fig. 1, and Fig. 4 is a perspective view showing the complete structure in position.

The inlet as a whole is composed of three separate parts or members, each preferably cast integral. The first part or member comprises a body portion 1, rectangular in form and having vertical sides, so as to lie flush with the pavement and to permit the latter to be readily laid in close contact with its outer sides. This rectangular body incloses a bowl-shaped portion which joins the inner surface of the rectangular body at about mid-height and which terminates at its lower end in a circular outlet 3, which is located eccentrically with regard to the body 1, being close to the rear thereof. This outlet portion 3 is adapted to be inserted in the correspondingly-shaped mouth of the receiving-pipe 4, as shown in Fig. 1, while the body 1 rests upon the top of a suitable masonry support 5, the street-paving being indicated at 6. The rectangular body 1 is provided at the inner side of its upper edge with a rabbeted seat 7, extending

entirely around the same, and it also has on the inner surface of its sides inwardly-extending lugs 8 for the purpose hereinafter described. The back and sides of the body 1 are provided on their interior with upwardly-extending lugs 9 for a purpose which will hereinafter appear.

Upon the rear portion of the body 1 is placed a box-like structure 10, having a height and width from front to back equal to that of the curbing, which is indicated at 11. This box-like structure is open at the front and bottom, and its lower edge is rabbeted, as indicated at 12, to fit the rabbeted seat 7 in the upper edge of the body 1. The lugs 9 fit against the rear and ends of the member 10 and serve to hold it more firmly in position, bolts 9' being also used, if desired, and being preferred. Said member 10 is also provided with extensions 13 at each end of its top, which rest in corresponding seats 14 in the curbing and serve to cause this latter to aid in supporting the weight of the device and to more firmly hold it in position. The opening 15 in front of the member 10 has inwardly flaring or beveled margins, as indicated at 16, at the top and sides thereof.

The third member of the structure is a grating composed of a horizontal portion 18 and a vertical portion 19, preferably made in one piece. The horizontal portion 18 is rabbeted at its margin, as indicated at 20, to fit the rabbeted seat 7 of the member 1 and occupies the space in front of the member 10, against which it abuts at its rear edge. The vertical portion 19 occupies the opening 15 in the front of the box-like member 10, and its side portions are beveled or inclined at their sides and ends, as indicated at 21, to fit against the corresponding bevels 16 of the margins of the opening 15. The rear portion of the horizontal part of the grate rests upon the lugs 8, which thus give additional support to the grating and hold it more securely in position.

When the parts are assembled, it will be observed that the body of the inlet and the grating 18 are flush with the street-pavement 6, while the body of the box-like portion 10 is flush both at the front and at the top with

the curb 11, while the top is also flush with the sidewalk-paving 22. There are thus no projecting parts to be injured, and the curbing and paving protect the inlet, which in turn protects the curbing and pavement.

When it is desired to have access to the catch-basin, the grate 17 may be readily removed by slightly lifting its outer edge until the bevel 21 is below the bevel 16, whereupon the grate may be readily withdrawn.

At 2' we have shown a lug which acts to additionally support the outer end of the grating 18. One or more of these lugs may be used. We would further remark that while the vertical portion 19 of our grating is shown as straight still there will be situations of use where this portion should be of other form.

We do not wish to be understood as limiting ourselves to the precise details of construction hereinbefore described and shown in the drawings, as these details may obviously be varied without departing from the principle of our invention.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A sewer-inlet consisting of three members; first, a rectangular body portion flush with the street-pavement, having vertical sides and inclosing a bowl provided with a circular outlet, said body portion being provided with a rabbeted seat around its upper edge; second, a box-like upper portion resting in the rabbeted seat of the body, open at the front and bottom and flush with the curb; said upper portion having the edge of its front opening provided with an outwardly-

contracting seat, and, third, an integral grate having a horizontal part fitting in the rabbeted seat of the body in front of the box-like upper portion, and an upright part fitting in the opening in the front of the said box-like upper portion and engaging the outwardly-contracting seat of the same from the rear, substantially as described.

2. A sewer-inlet consisting of three main parts or members; first, a rectangular body portion flush with the street-pavement, having vertical sides and inclosing a bowl provided with an eccentric circular outlet, said body portion being provided with a rabbeted seat around its upper edge and with upwardly-extending lugs on the interior of its back and sides, and inwardly-projecting lugs on its sides; second, a box-like upper portion resting in the rabbeted seat of the body and between the internal lugs thereof, having a beveled opening at the front and open at the bottom, and flush with the curb, being provided with extensions over the same at its ends; and, third, a grate having a horizontal portion fitting in the rabbeted seat of the body in front of the box-like portion and resting on the internal lugs of the body, and an upright part beveled to fit in the beveled opening in the front of the said box-like upper portion, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM H. GARRETT.
HENRY C. PAULY.

Witnesses:

E. O. HAGAN,
WILL O'LAUGHLIN.