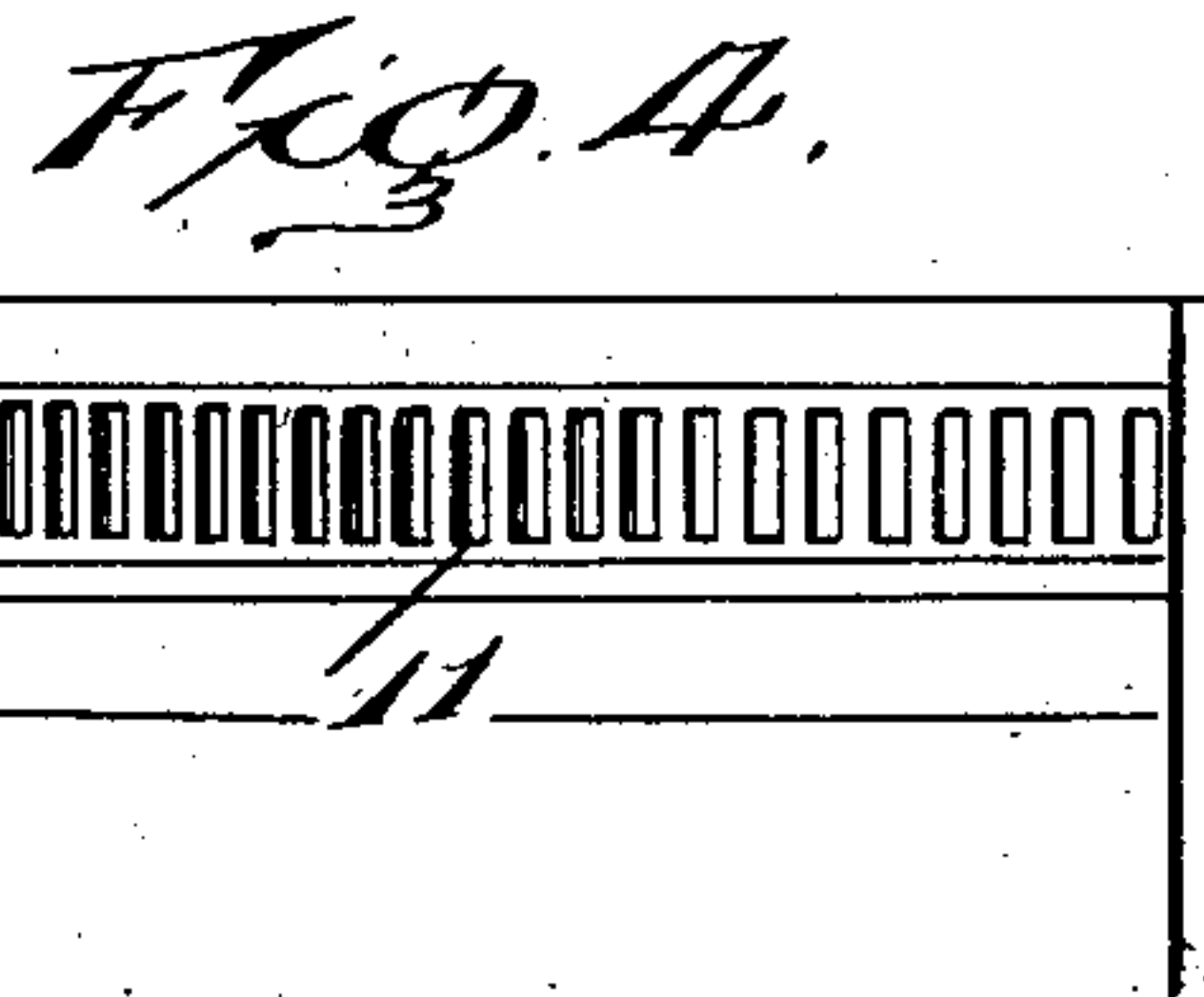
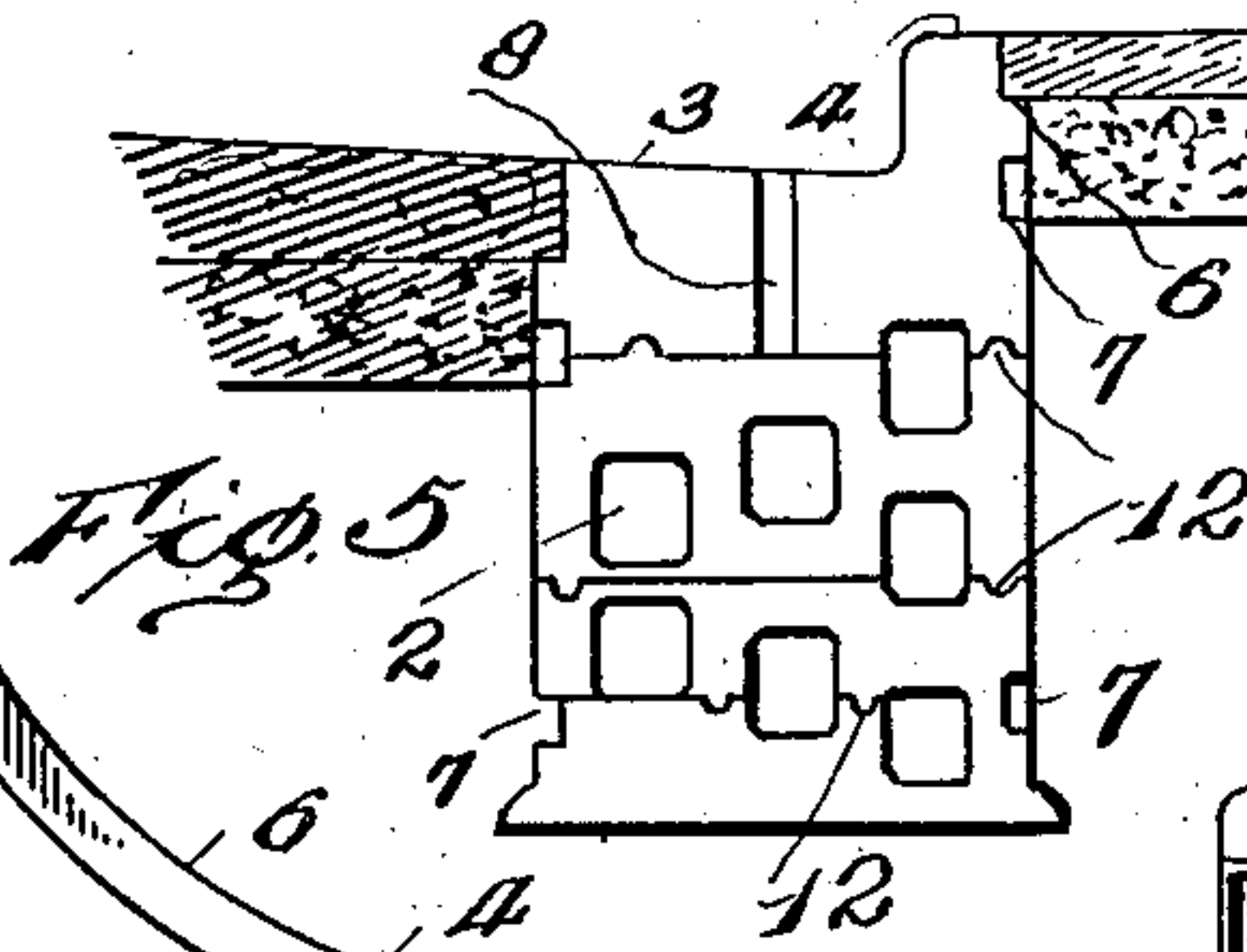
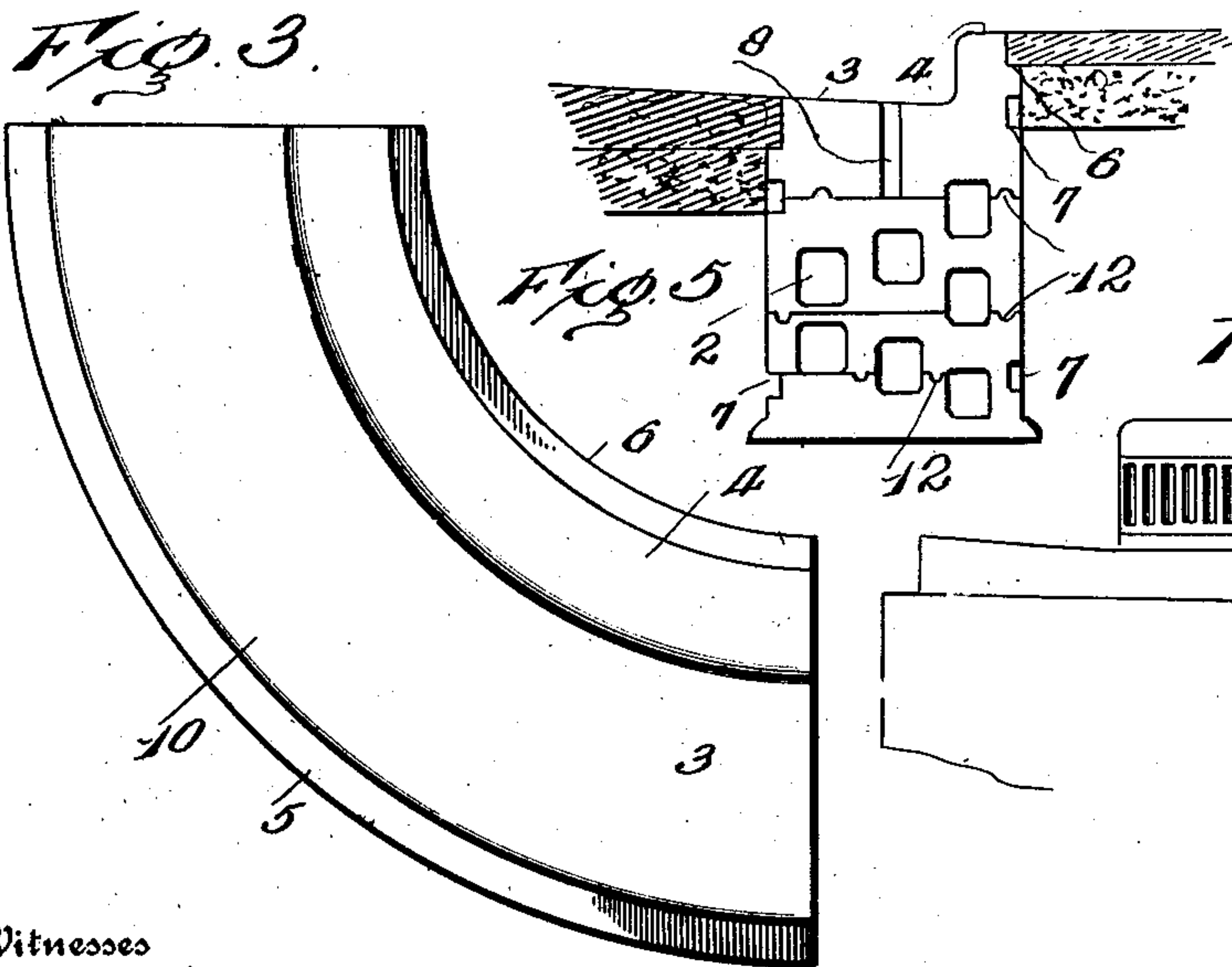
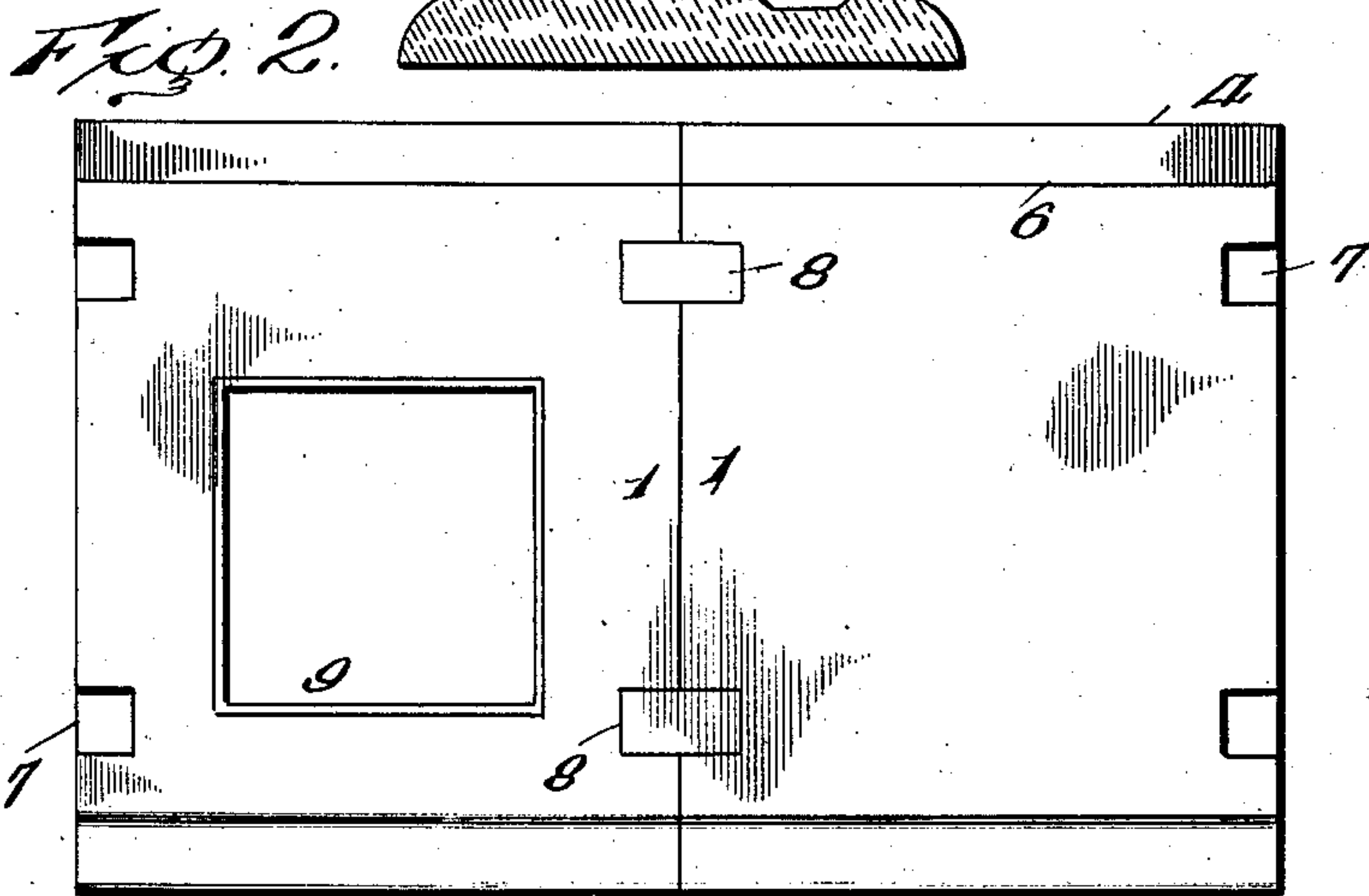
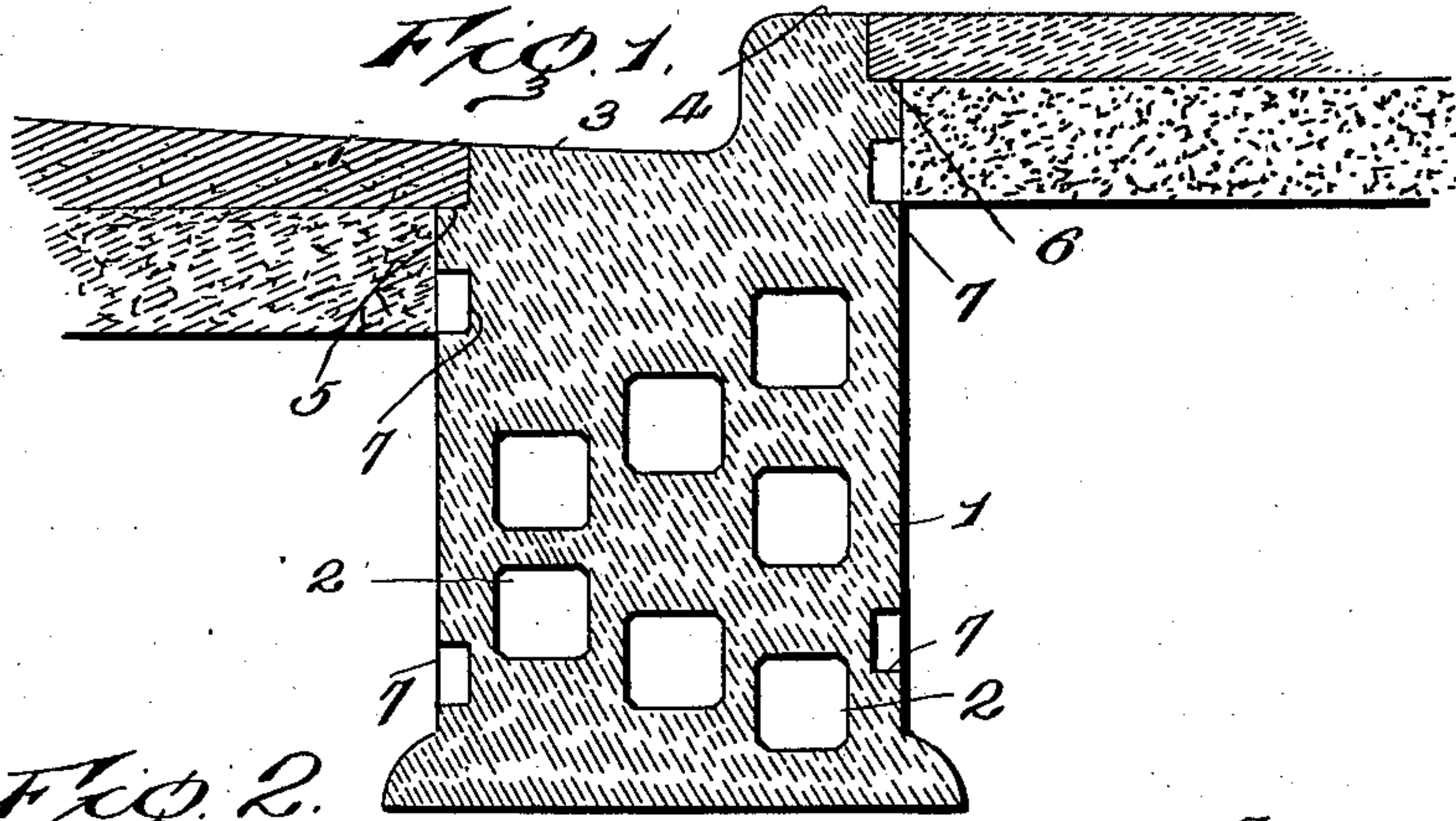


No. 889,524.

PATENTED JUNE 2, 1908.

R. T. HOOPER.  
CURB, DRAIN, AND CONDUIT.  
APPLICATION FILED JULY 19, 1907.



Inventor

R. T. Hooper

Witnesses

W. P. Woodson  
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By

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# UNITED STATES PATENT OFFICE.

ROBERT T. HOOPER, OF YOUNGSTOWN, OHIO.

## CURB, DRAIN, AND CONDUIT.

No. 889,524.

Specification of Letters Patent.

Patented June 2, 1908.

Application filed July 19, 1907. Serial No. 384,595.

*To all whom it may concern:*

Be it known that I, ROBERT T. HOOPER, citizen of the United States, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Curbs, Drains, and Conduits, of which the following is a specification.

This invention has for its object a combination curb, drain and conduit, embodying the functions of all of these parts, the same being made from shale burned as brick, or of concrete or cement or any other desired material in sections of any predetermined length or in one continuous length, and of any desired design, or ornamentation, and the invention consists in certain constructions and arrangements of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction and of the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a transverse sectional view of a combined curb, drain and conduit constructed in accordance with my invention; Fig. 2 is a rear view of two sections of the structure; Figs. 3 and 4 are a top plan and a side elevation of the structure formed for a corner; and, Fig. 5 is an end elevation of a modification.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

In the present instance, although my invention is not limited to such construction, my improved combined curb, drain and conduit is constructed in abutting sections 1, each of which is provided with a series of openings 2 for telephone, telegraph, electric light or trolley feed wires and for gas and water pipes, or for other purposes, the said openings 2 coinciding in the several abutting sections so as to produce continuous passages for the reception of the wires or pipes, or the like. Each section 1 consists of an integral structure formed of any desired material, as before noted, and provided with an upper drain or gutter surface 3 which preferably slopes in a rearward direction to produce the

proper drain effect, the said surface 3 merging upwardly and thence outwardly in a graceful reverse curve, into the curb portion 4 which is in a higher plane than the drain surface 3, as clearly illustrated in Fig. 1. The section 1 is provided in the front with a horizontally extending projection or shoulder 5 to insure a perfect alinement of the paving with the gutter, and the section is also formed in the rear with a similar, but higher shoulder 6 to insure a perfect alinement of the side-walk with the curb.

In order to secure and maintain a perfect alinement of the several sections of my improved combined curb, drain and conduit, the respective sections are provided both in front and in rear, with preferably two sets, upper and lower, of key seats 7 and keys, and the several sections are also preferably located at the ends with upper and lower keys and key seats 8, as shown.

At predetermined intervals in the complete formation, and preferably at the rear of the structure, I form man-holes 9, so that detachable closures of any character may be used, providing access to the several conduits for any purpose.

At the intersection of streets, I preferably employ curved sections such as that illustrated at 10 in Fig. 3, such section may be made in one or more pieces with a long narrow opening or man-hole to the sewer, with a reinforcement at the back, as shown, with a slot to hold the grate 11 at the back, there being no break necessary on the top of the curb, but only at the joints, which will be preferably filled with cement.

If desired, each section may be formed of a series of superposed sub-sections or strata held one upon the other as against lateral displacement, by means of longitudinally extending tongues and grooves 12.

Having thus described the invention, what is claimed as new is:

The herein described combined curb, drain and conduit, provided with longitudinally extending openings for the reception of wires, pipes and the like, and formed with a rearwardly sloping upper surface constituting a drain or gutter and with a curb portion extending along the upper surface at the rear side thereof and in a higher plane than the said drain surface and also formed at its

front with a horizontally extending upwardly  
facing shoulder, and at its rear with a cor-  
responding shoulder in a higher plane than  
the first named shoulder, said two shoulders  
5 being designed to insure a perfect alinement  
of the structure with the street and side-  
walk pavings.

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

ROBERT T. HOOPER. [L. s.]

Witnesses:

W. P. BARNUM,  
EMIL J. ANDERSON.