No. 789,588. PATENTED MAY 9, 1905.

G. A. CASE.

COMBINATION CURBING AND STREET SPRINKLING APPARATUS.

APPLICATION FILED JULY 13, 1903.

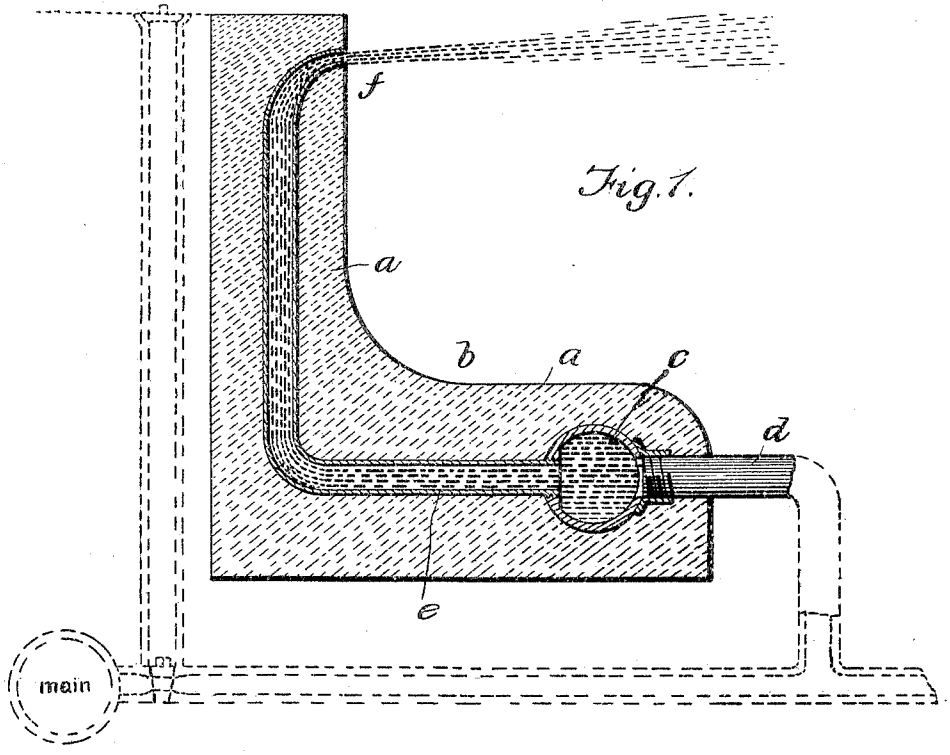
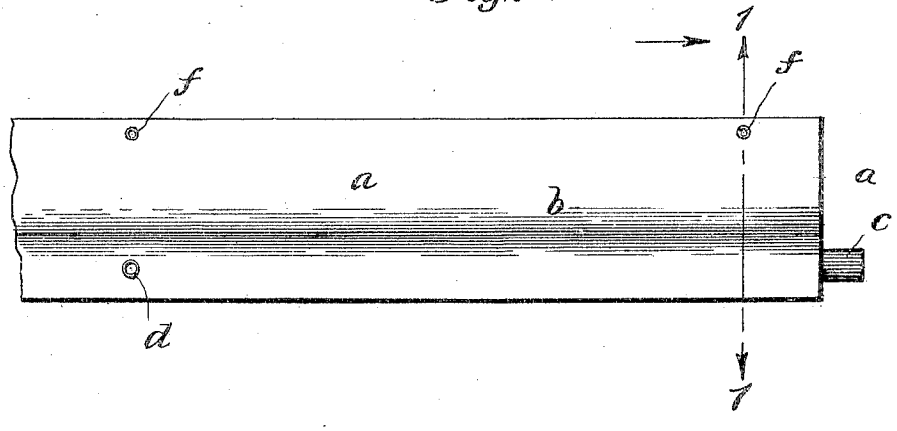


Fig. 1.

Fig. 2.



Inventor

George A. Case

Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE A. CASE, OF JOPLIN, MISSOURI.

COMBINATION CURBING AND STREET-SPRINKLING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 789,588, dated May 9, 1905.

Application filed July 13, 1903. Serial No. 165,286.

To all whom it may concern:

Be it known that I, GEORGE A. CASE, a citizen of the United States, and a resident of Joplin, in the county of Jasper and State of Missouri, have made a certain new and useful Invention in a Combination Curbing and Street-Sprinkling Apparatus; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a section on the line 1 1, Fig. 2, with the pipe connections indicated in dotted lines. Fig. 2 is a partial front view of one of the sections of my apparatus.

The invention relates to street-curbing; and it consists in the novel construction and combinations of parts, as hereinafter set forth.

The object of the invention is to provide a satisfactory and efficient means for sprinkling or flushing streets.

The letter *a* of the drawings indicates a section of curbing which is designed to be made of concrete. Preferably these curb-sections are made with the gutter portion *b* projecting therefrom, as indicated, or of angular form, having the horizontal flange *b* and the vertical flange *b'*. In molding the curb-section it is designed to embed in the concrete in the horizontal flange *b* thereof a longitudinal section *c* of pipe, which may be made of cheap metal or wood and which forms a lining for the longitudinal conduit *c'*, which is molded in the concrete by said pipe. Each pipe-section is designed to have its ends projecting from the ends of the curb-section sufficiently to form the openings and to provide means for connecting the ends when the curb-sections are joined in placing them in position along the edge of the sidewalk. The longitudinal piping is designed to be about three inches in diameter, and it is connected to the main by a suitable pipe, as at *d*, which is, however, in connection with a valved supply-plug exterior to the curb-sections, whereby the water may be turned into the conduit of the curbing or cut off therefrom, as may be desired.

To the longitudinal pipe-section *c* are connected the upright open-end pipes *e* of smaller diameter, usually about one inch. These pipes *e* are embedded in the concrete of the vertical flange *b'* of the curb, have horizontal branches *e'* communicating with the longitudinal pipe *c*, and outwardly-turned discharge terminations e^2 flush with the side of the vertical flange *b'* of the curb. The pipes *e* are designed to be placed in the curb at intervals of about five feet.

When the curb-sections are laid in position and the longitudinal pipe-sections are properly connected, there is formed in the curbing a waterway, which when the water is turned on can be utilized for discharge thereof through the discharge-openings *f* at every five feet along the curb over the gutter and street.

The longitudinal tubes at street-crossings may be connected by underground piping in such wise that large portions of streetways may be readily flushed and washed by turning the water on at a single valve-head.

When the pipe-sections in the curbing decay and are washed out, the tubular channels formed thereby remain and form durable waterways for the purposes in view. In this way it is designed to provide durable improved means for cleaning streets and gutters which will be found economic and efficient.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

An angular curb-section, having a vertical flange and a horizontal flange, the latter having within it a longitudinal conduit opening through it and, in said conduit, a destructible-lining pipe projecting at the end of said conduit, a connection-pipe to a valved supply-pipe, and the horizontal branch of the discharge-pipe having in the vertical flange of the curb-section, a vertical branch provided at its upper end with an outwardly-turned discharge portion terminating flush with the side of said vertical flange, substantially as specified.

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

GEORGE A. CASE.

Witnesses:

WILL G. MOORE,

M. J. MCCLURG.