

G. W. MCCOOLE.
 SPRINKLING APPARATUS.
 APPLICATION FILED JULY 12, 1909.

972,396.

Patented Oct. 11, 1910.

2 SHEETS—SHEET 1.

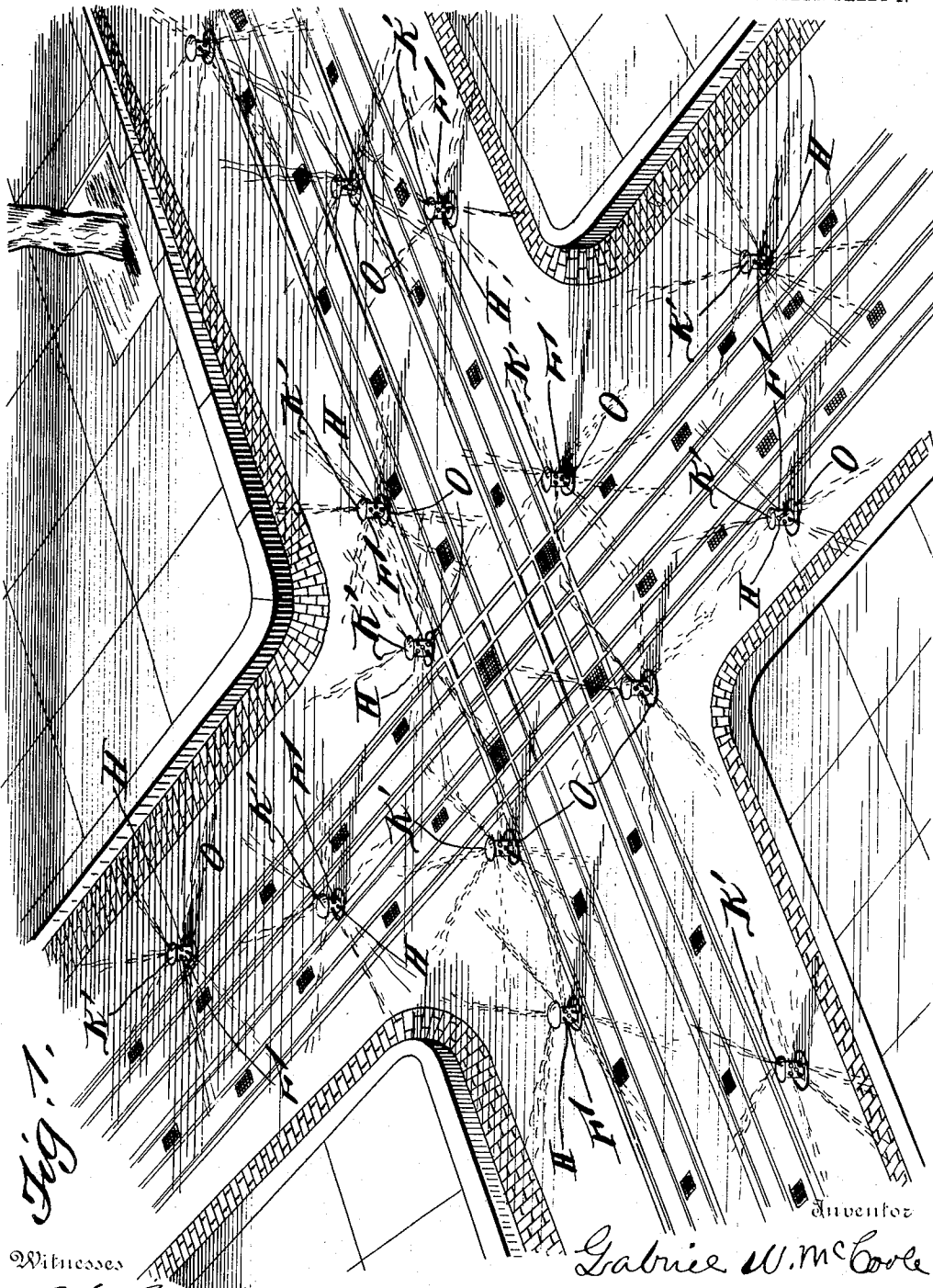


Fig. 1.

Witnesses

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A. L. Hough

Inventor
Gabriel W. McCool

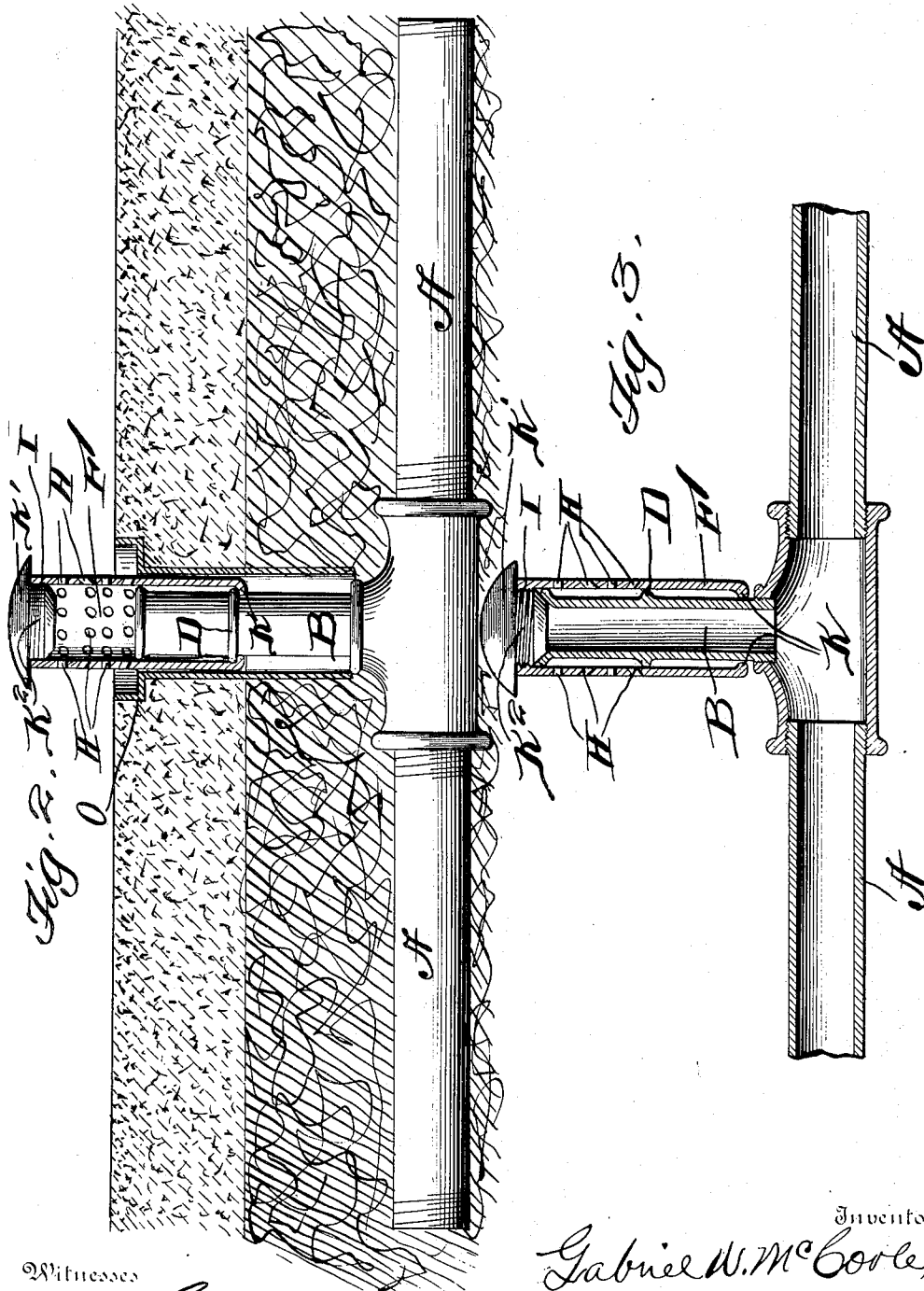
By *Francis H. Hough*
 Attorney

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UNITED STATES PATENT OFFICE.

GABRIEL WILSON McCOOLE, OF LITTLE ROCK, ARKANSAS.

SPRINKLING APPARATUS.

972,396.

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To all whom it may concern:

Be it known that I, GABRIEL WILSON McCOOLE, a citizen of the United States, residing at Little Rock, in the county of Pulaski and State of Arkansas, have invented certain new and useful Improvements in Sprinkling Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in sprinkling apparatus especially adapted for street sprinkling and irrigating purposes and comprises various details of construction and combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, in which:—

Figure 1 is a perspective view showing a sprinkling system as applied to intersecting streets. Fig. 2 is an enlarged detail view in side elevation through the sprinkler head, and Fig. 3 is a vertical section view through the same.

Reference now being had to the details of the drawings by letter, A designates a water main adapted to be laid preferably along the central line of streets and has branching pipes B leading therefrom at intervals, each having an annular flange or beading D about its circumference, preferably midway its length. Mounted to telescope over the pipe B is a casing F having series of perforations H formed in the circumference, preferably above its longitudinal center, and its lower end is an inwardly extending annular flange K adapted to contact with the beading or flange D to limit the upper longitudinal movement of the casing. Said shell F has interior threads I near its upper end adapted to receive the threads K² of the cap K'.

Positioned about the opening in the

ground in which the cap and branching pipe are laid is a rim or casing O of any material said casing being practically flush with the upper convexed end of the cap when the sprinkling apparatus is in its normal closed position, thus offering no obstruction above the street level.

In operation, the parts being normally in the position shown in Fig. 3 of the drawings and, when it is desired to sprinkle streets, the pressure of the water coming against the cap which is screwed to the casing F will cause the latter to be moved upward and expose the perforations therein through which the water may be sprinkled in all directions. The upper throw of the casing is limited by the flange K coming in contact with the rib or flange D.

By the provision of a sprinkling system as shown and described, it will be noted that, owing to the arrangement of the perforations in the casing which may be disposed at different angles, streams of water may be thrown in various directions, thus reaching all surfaces of the street within a certain radius. When the pressure is relieved from the main, the casing will return to its normal position and the parts within be thoroughly protected.

What I claim to be new is:—

In combination with a vertically disposed open ended pipe having its upper end outwardly flaring and provided with a circumferential beading, a perforated tubular shell telescoping over said pipe and having its lower end inwardly turned to cooperate with said beading to limit the upward throw of the shell, a threaded plug fitted in the upper end of the shell and having its lower end beveled and adapted to contact with the flaring end of said pipe to limit the downward movement of the shell and to close the exit end of the pipe.

In testimony whereof I hereunto affixed my signature in the presence of two witnesses.

GABRIEL WILSON McCOOLE.

Witnesses:

OTIS O. BLACK,
P. B. EARHART.