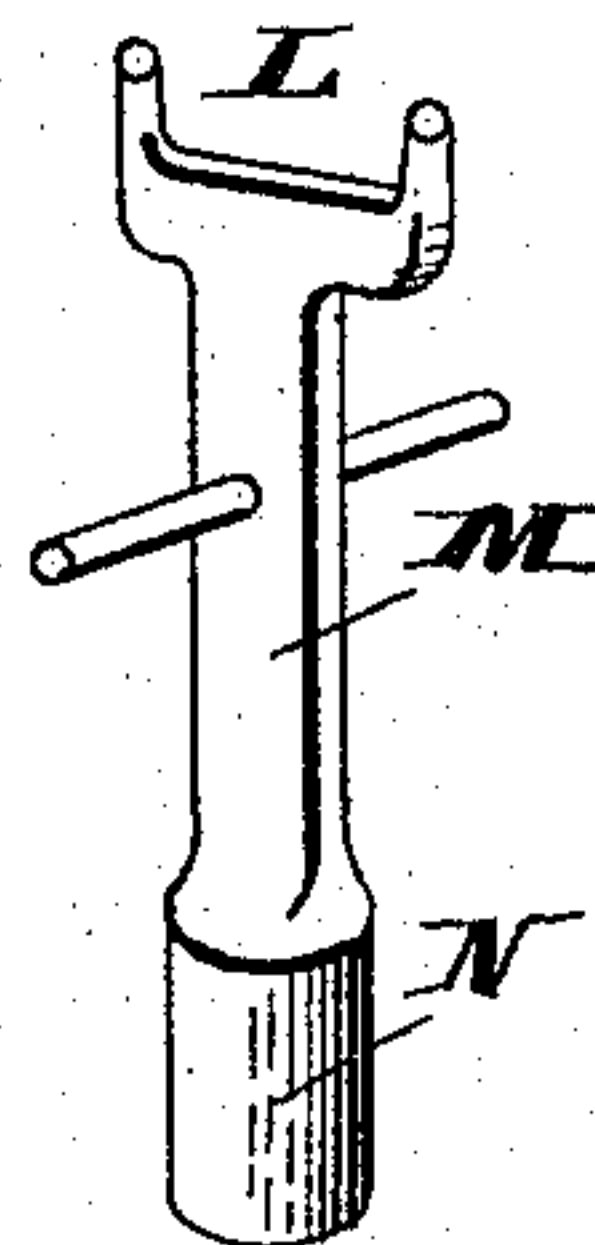
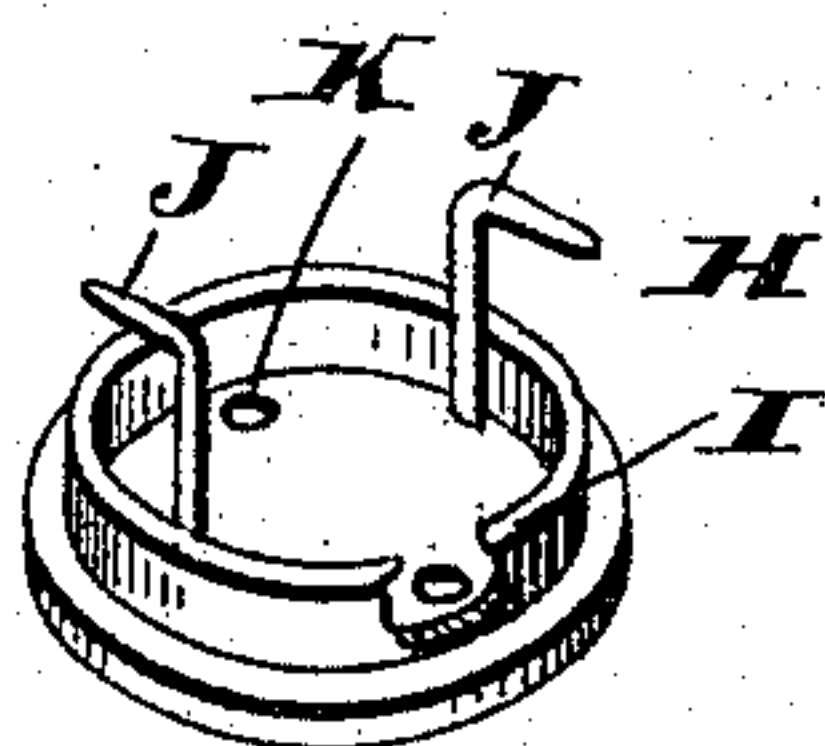
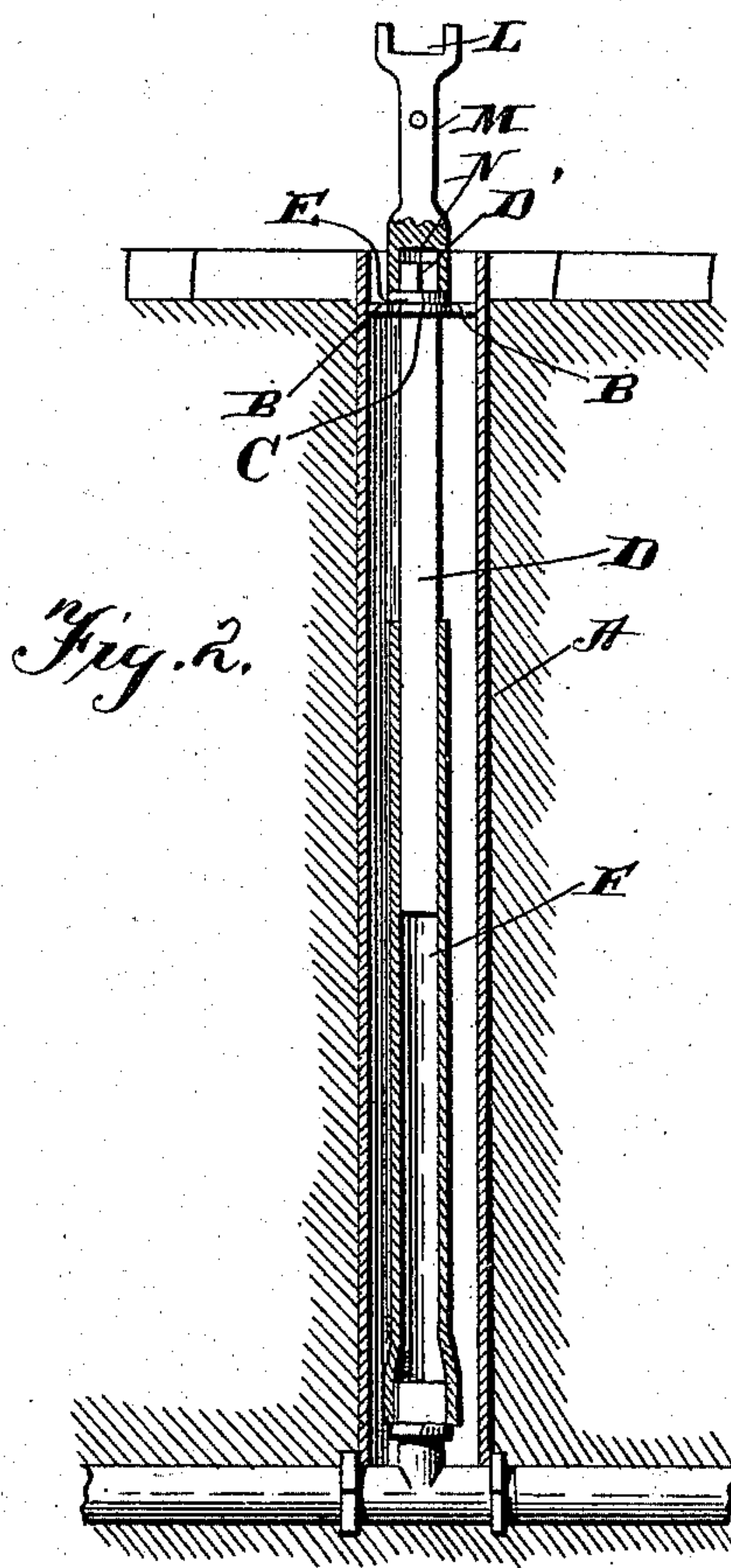
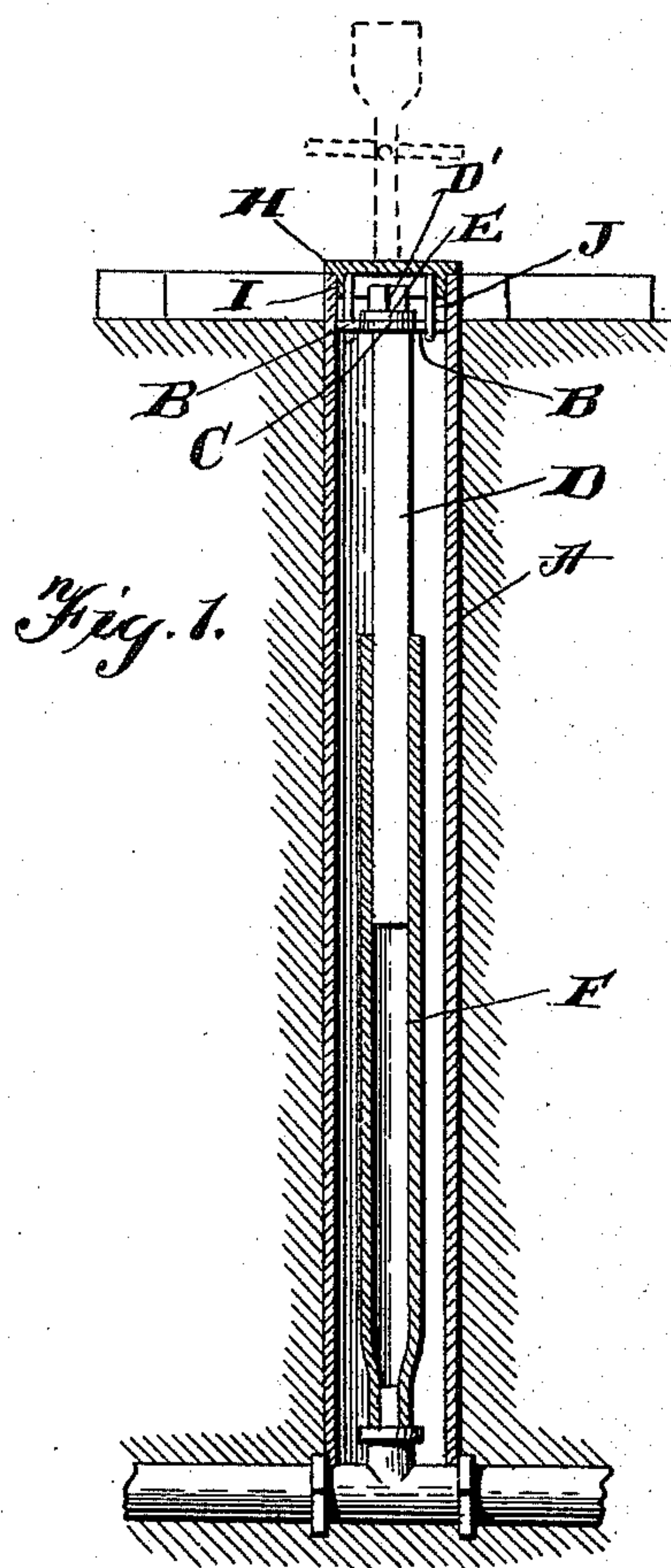


(No Model.)

S. W. GARRISON.
GAS OR WATER SWITCH.

No. 573,403.

Patented Dec. 15, 1896.



Witnesses
Geo. E. Frick.
James W. Brown

Inventor
Samuel Webb Garrison,
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UNITED STATES PATENT OFFICE.

SAMUEL WEBB GARRISON, OF PHILADELPHIA, PENNSYLVANIA.

GAS OR WATER SWITCH.

SPECIFICATION forming part of Letters Patent No. 573,403, dated December 15, 1896.

Application filed May 18, 1896. Serial No. 592,046. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL WEBB GARRISON, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Gas or Water Switches; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

This invention pertains to a gas and water switch; and the object thereof is to provide an improved switch and switch-box for gas and water mains.

The invention consists in the novel features of construction hereinafter fully described and claimed, and illustrated by the accompanying drawings, in which—

Figure 1 is a vertical sectional view of the switch-box in operative position. Fig. 2 is a similar view with the box-cover removed and the wrench in position for adjusting the main valve. Fig. 3 is an inverted perspective view of the switch-box cover. Fig. 4 is a perspective view of the wrench.

A designates the box or casing, which projects downward from the surface of the pavement, and a short distance below its upper end are the opposite inwardly-projecting arms B, supporting the circular bearing C. Angular rod D extends downward through this bearing and at a point adjacent its upper end is provided with the annular shoulder E, adapted to rest upon the bearing C, and thus support the rod in position. The upper extremity D' of the rod forms a key-hold. The lower portion of the angular rod takes in the angular tubing F, and the latter is flattened at its lower end to form an oblong depression, whereby the tubular stem is adapted to fit over the key-hold of the main valve, as will be understood. Rod D will turn the tubular stem regardless of its position therein, so that the switch is adapted for operating main valves at varied depths below the pavement-surface.

Cover H is formed with the depending annular flange I, which projects into the upper end of the casing and holds the cover from lateral displacement, and depending from the under side of the cover are the oppositely-disposed hooks or angular projections J,

which, when the cover is turned, engage the arms B and thus hold the cover from vertical displacement. The cover is formed with two openings K on opposite sides of its center, which are adapted to be engaged by forked end L of the key M, and by this means the cover may be turned to locking position or removed, as desired. The opposite end of the key is formed into a socket N for engaging the upper extremity D' of the turning rod. A transverse bar or handle O is arranged midway the ends of the key for easily turning the same.

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

1. The combination of the casing, the inwardly-projecting arms, the bearing supported by the inner ends of the arms, the turning rod held in position by the bearing, the casing-cover, and the oppositely-disposed angular projections depending from the casing and adapted to be turned to position of engagement of the arms for locking the cover in place, substantially as shown and described.

2. The combination of the casing, the inwardly-disposed projections upon the inner wall thereof, the turning stem inclosed by the casing, the casing-cover, and the oppositely-disposed hooks depending from the under side of the cover and adapted to be turned beneath the inwardly-disposed projections of the casing and thereby hold the cover in place, substantially as shown and described.

3. The combination of the casing, the inwardly-disposed arms or projections upon the inner wall thereof, the central bearing supported by the inner end of the arms entirely free from the said casing, the turning stem inclosed by the casing, the casing-cover, and the oppositely-disposed hooks depending from the under side of the cover and adapted to be turned into engagement with the said inwardly-extending arms between the central bearing and the inner wall of the casing, substantially as shown and described.

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

SAMUEL WEBB GARRISON.

Witnesses:

LEMUEL GARRISON,
GEORGE W. PARSONS.