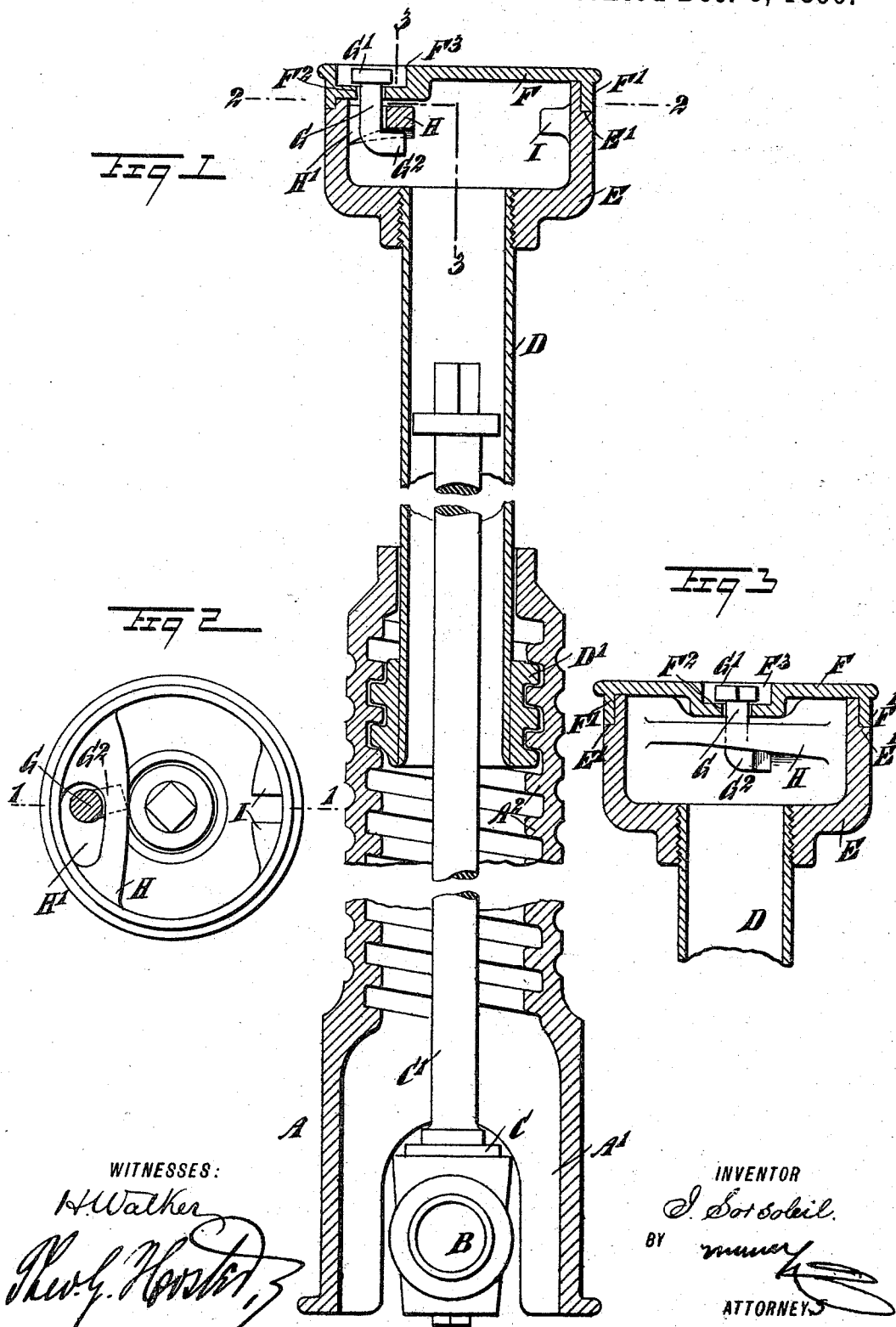


(No Model.)

I. SORSOLEIL.
STOP BOX.

No. 572,836.

Patented Dec. 8, 1896.



WITNESSES:

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ISAAC SORSOLEIL, OF OWATONNA, MINNESOTA.

STOP-BOX.

SPECIFICATION forming part of Letters Patent No. 572,836, dated December 8, 1896.

Application filed January 11, 1896. Serial No. 575,152. (No model.)

To all whom it may concern:

Be it known that I, ISAAC SORSOLEIL, of Owatonna, in the county of Steele and State of Minnesota, have invented a new and Improved Stop-Box, of which the following is a full, clear, and exact description.

The invention relates to municipal water and gas supply; and its object is to provide a new and improved stop-box which is simple and durable in construction and arranged to be readily and conveniently adjusted, according to the depth of the water or gas supply pipe.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter and then pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional side elevation of the improvement as applied on the line 1 1 of Fig. 2. Fig. 2 is a sectional plan view of the same on the line 2 2 of Fig. 1, and Fig. 3 is a transverse vertical section of the same on the line 3 3 of Fig. 1.

The improved stop-box is provided with a casing A, adapted to span with its base A' the supply-pipe B, connecting the water-main with the house, said pipe being provided with the usual valve C, having a valve-stem C' extending up in the casing and into an extension-pipe D, formed at its lower end with an external screw-thread D', screwing in an internal screw-thread A², formed in the upper portion of the casing A'. Now it will be seen that by screwing the pipe D up or down the device can be readily adjusted, according to the depth at which the pipe B is laid, to bring the upper end of the head E of the extension-pipe D flush with the ground. This head E is provided with a removable cover F, having a downwardly-extending flange F', fitting into a recess E', formed on the upper end of the head E.

In order to lock the cover F in place on the head E, I provide a bolt G, mounted to turn in a bearing F², formed in the cover F, said

bolt being provided at its upper end with a head G', arranged in a recess F³, formed in the top of the cover F. The lower end of the bolt G is formed with a foot or angular extension G², adapted to engage the under side of a cam H, formed integral with the head E and extending to the inside thereof, as plainly illustrated in the drawings. The bolt G, with its foot G², is adapted to pass through an elongated aperture H', formed in the cam, as plainly shown in Figs. 1 and 2. Now it will be seen that by applying a wrench or other suitable tool to the head G' of the bolt G the latter can be turned so as to swing the foot G² from under the cam H to permit of removing the cover F and enabling the operator to get at the valve-stem C', so as to turn the same in order to turn on or shut off the water from the main. When the cover F is in place and the bolt G is turned to engage the foot G² with the cam H, then the cover F is securely locked in place on the head E.

In order to turn the extension-pipe D, according to the depth of the pipe B, as previously explained, I prefer to apply a forked tool adapted to engage with one prong the elongated opening H' in the cam H and with its other prong pass between the two lugs I, formed on the inside of the head E diametrically opposite the cam H. When this pronged tool is inserted, the operator is enabled to conveniently turn the head E and pipe D, so as to screw the latter up or down in the casing.

It will be observed that the lower casing A surrounds the extension-pipe D and that the lower end of the said extension-pipe is within the casing, so that when said pipe is adjusted its lower end does not come in contact with the ground, and thus the resistance to the downward movement of the upper section is avoided, since with the ordinary arrangement of the upper section surrounding the lower casing the lower face of the extension-pipe engages with the ground.

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

A stop-box, comprising a pipe adapted to surround the valve-stem and provided at its upper end with a head formed with a cam having an elongated aperture extending approximately tangentially, a cover loosely fitted on said head and provided with an aperture, and a bolt extending through the apertures of the cover and of the cam and provided with an arm extending at an angle to its shank, substantially as described.

ISAAC SORSOLEIL.

Witnesses:

C. J. O'BRIEN,
J. A. LAPER.