H. D. KEHR, Sr.

SERVICE PIPE BOX.

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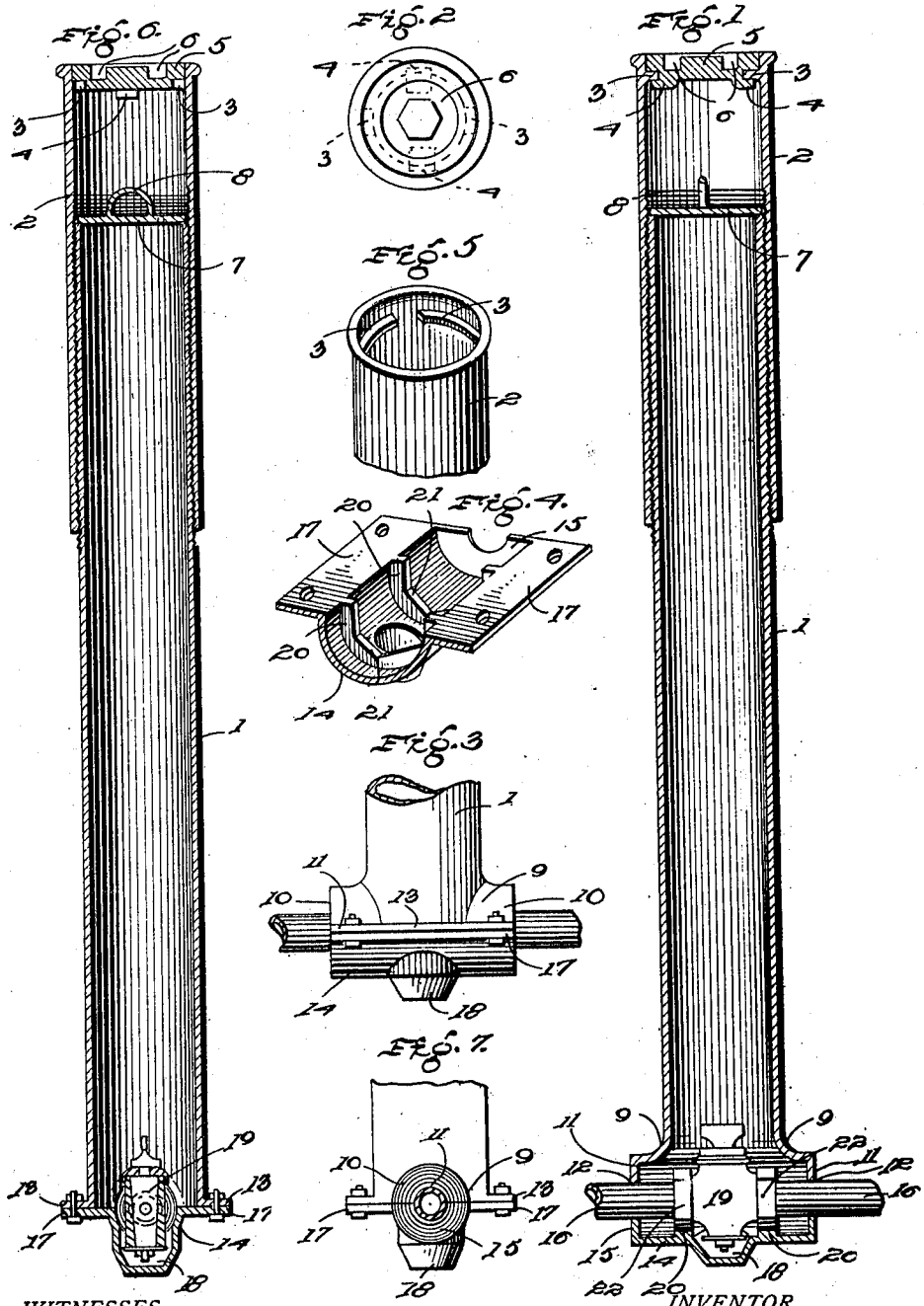
1,004,436. Patented Sept. 26, 1911.



WITNESSES

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UNITED STATES PATENT OFFICE.

HENRY D. KEHR, SR., OF TRENTON, NEW JERSEY, ASSIGNOR OF ONE-THIRD TO JOHN C. RUOPP AND ONE-THIRD TO DANIEL H. KEHR.

SERVICE-PIPE BOX.

1,004,436. Specification of Letters Patent. Patented Sept. 26, 1911

Application filed December 24, 1910. Serial No. 599,097.

To all whom it may concern:

Be it known that I, HENRY D. KEHR, Sr., a citizen of the United States, residing at Trenton, in the county of Mercer and State of New Jersey, have invented certain new and useful Improvements in Service-Pipe Boxes, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to boxes for controlling valves of service pipes, and the principal object of the same is to provide the box with supporting means for the controlling valve so that said valve can be readily manipulated by the usual turning tool, and also to provide the box with an adjustable section so that the same can be adjusted relative to the distance of the valve from the surface of the ground.

In carrying out the objects of the invention generally stated above it will be understood, of course, that the essential features thereof are necessarily susceptible of changes in details and structural arrangements, one preferred and practical embodiment of which is shown in the accompanying drawings, wherein:—

Figure 1 is a central vertical sectional view of the improved service pipe box. Fig. 2 is a top plan view thereof. Fig. 3 is a detail fragmentary view in elevation of the base of the box. Fig. 4 is a detail perspective view of the lower, separable, section of the base of the box. Fig. 5 is a detail perspective view of the upper end of the box. Fig. 6 is a view similar to Fig. 1, taken at right angles thereto. Fig. 7 is a fragmentary view in end elevation of the base of the box.

Referring to the accompanying drawings by numerals, it will be seen that the improved box comprises a cylindrical body 1 the upper portion of which is externally threaded for engagement wit' the internal threads of a cylindrical up er section 2. The upper end portion of section 2 is provided with internal oppositely disposed laterally projecting flanges 3 which are engaged by the hook-shaped lugs 4 that depend from the cover 5 for detachably locking said cover in position to seal the upper end of said section 2. The upper surface of cover 5 is provided with recesses 6 adapted to be engaged by a spanner or other convenient tool to rotate the cover to engage its lugs 4 with or disengage the same from, the flanges 3. A lid or cover 7 is loosely seated on the upper end of body 1 within section 2 and is equipped with a handgrip 8.

The base of body 1 is enlarged to provide an upper section 9 of a controlling valve casing and the semi-cylindrical ends 10 thereof are provided with flanges 11 provided with recesses 12. The longitudinal sides of said section 9 are provided with flat outwardly projecting flanges 13. The base section 14 of said casing is preferably semi-cylindrical and provided with recessed end flanges 15 complemental to the end flanges 11 of section 9 and which produce openings through which the service pipes 16 extend when the two sections are assembled, as is clearly shown in Figs. 1 and 3 of the accompanying drawings. The base section 14 is provided with outwardly projecting flat flanges 17 at its longitudinal sides which are bolted or otherwise detachably fastened to the flanges 13 of section 9. Section 14 is provided with a central recess 18 which provides clearance space for the base of the controlling valve 19, and adjacent opposite portions of the said recess, ribs 20 extend transversely across the section 14 and are provided with flat portions 21 which are shaped to conform to the contour of and form seats for the end couplings 22 which connect the service pipes 16 to said valve 19.

It will be understood from the foregoing that this invention provides an adjustable upper section 2 which can be readily adjusted on the body 1 so that the top of section 1 will be flush with the surface of the ground and the base casing of the body 1 inclose the valve 19. It will also be understood that by removing the covers of section 2 and body 1 the usual tool can be passed through the box to operate the valve 19. And as the base of the box incloses the valve 19, there is no danger of the box being accidentally moved therefrom.

What I claim as my invention is:—

A service pipe box comprising a body provided with an enlarged base having semi-cylindrical ends, said base provided

with side flanges, a removable section provided with semi-cylindrical ends and a central recess, valve rests on opposite sides of the upper portion of said removable section, and means for detachably fastening the flanges of the removable section to the flanges of the enlarged base.

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

HENRY D. KEHR, Sr.

Witnesses:
RICHARD C. CHAMBERLAIN,
ANNA M. BAILEY.