March 30, 1926. 1,578,885

J. R. FLINN

CURB BOX AND COCK SUPPORT

Filed April 11, 1925

Fig. 1.

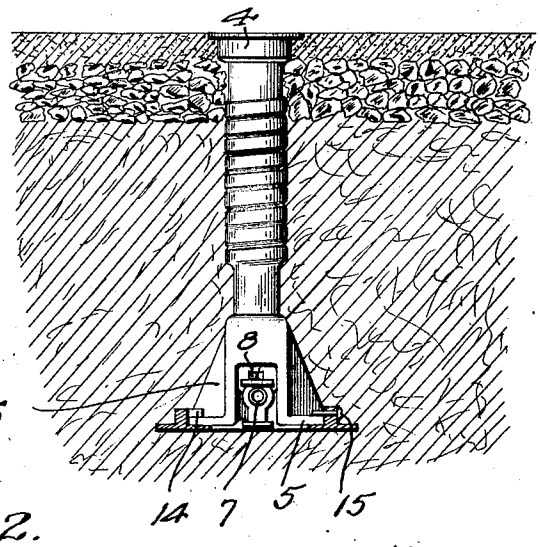


Fig. 2.

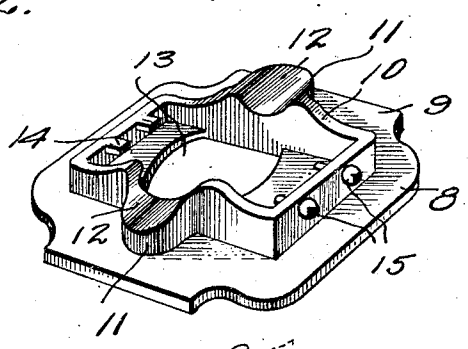
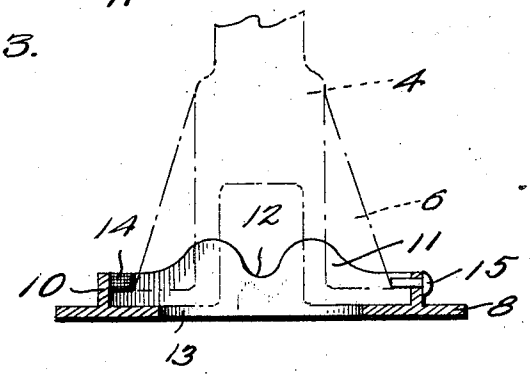


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN R. FLINN, OF JOHNSTOWN, PENNSYLVANIA, ASSIGNOR TO CHAMPION SPECIALTY COMPANY, A CORPORATION OF PENNSYLVANIA.

CURB BOX AND COCK SUPPORT.

Application filed April 11, 1925. Serial No. 22,339.

To all whom it may concern:

Be it known that I, JOHN R. FLINN, a citizen of the United States, residing at Johnstown, in the county of Cambria and State of Pennsylvania, have invented certain new and useful Improvements in Curb Boxes and Cock Supports, of which the following is a specification.

The present invention consists of a curb box and cock support, an object of which is to positively retain the curb box in a fixed vertical position thereby preventing movement of said curb box independently of the cock of the supply pipe.

Other objects of the invention are to provide a support of this character which is engageable beneath the supply pipe and is anchored in the earth by reason of its inherent weight and construction; to provide a curb box support which carries the line pipe and is equipped with locking means to hold the curb box from casual displacement; and to provide a support with locking means which latter will not interfere with expeditious engagement or disengagement of the curb box with or from the support.

Other objects of the invention will be understood from the following description of the present preferred form of the invention taken in connection with the accompanying drawings wherein:—

Fig. 1 is a vertical sectional view of a curb box and cock support constructed in accordance with this invention illustrating its application;

Fig. 2 is a perspective view of the curb box and cock support per se; and

Fig. 3 is a transverse sectional view showing a curb box fragmentarily in dotted lines therein.

In order to illustrate the application of this invention, a curb box 4 is shown which is of standard construction and includes a base 5 having upstanding tapering ribs 6 on the opposite sides thereof. Also, a supply pipe 7 of usual construction is arranged through the curb box shown in Fig. 1 and is equipped with a standard type of cock.

The curb box per se consists of a supporting member or base 8 of substantially rectangular configuration with portions of two opposite sides thereof extended to provide ribs 9 which serve to reinforce and facilitate anchoring of the member. Upstanding on the member 8 is a rectangular box 10 which is enlarged at diametrically opposite points to provide supporting lugs 11. The upper faces of these lugs are grooved as indicated at 12 to complement the shape of the supply pipe 7 which latter is adapted to seat in the grooved faces of said lugs. A portion of the central part of the member 8 is removed to provide an opening 13 in order to decrease the weight of said member and to facilitate mounting of the cock of the supply pipe therein.

As shown to advantage in Fig. 1 of the drawings, the base of the curb box is deposited within the boxing 10, portions of said base resting on opposite sides of the opening 13. In order to lock the curb box from casual displacement, fingers or extensions 14 are provided. These fingers are formed integral with the inner face of one side of the boxing 10 and project inwardly at right angles to the side of the boxing and within the plane of the latter. In the drawings, two of these fingers are shown one of which is engaged on each side of the rib 6 on one side of the curb box. It is to be understood that a greater or lesser number of the fingers may be used if desired. The base of the curb box is canted to permit the same to be engaged beneath the fingers after which said base is permitted to gravitate into engagement with the top of the member 8. Ordinarily, the fingers in themselves would be sufficient to permit vertical displacement of the curb box from the support but as a further means to augment retention of the curb box in said support additional locking means 15 are provided. This means consists of pins which are driven through the boxing 10 preferably through the side of the boxing opposite to the side upon which the fingers 14 are formed. In the present instance, two pins are shown which are adapted to straddle the rib 6 on the opposite side of the curb box to that which is engaged by the fingers 14. These pins are driven through openings which are approximately of the same diameter as the periphery of the pins so that it will be necessary to drive the pins in under force, thereby minimizing the possbility of the latter being displaced. If, at any time, it should be desired to disengage the curb box from its support it is apparent that the pins may be disengaged from the boxing in an obvious manner. It is to be understood that the pins

15 are shown merely for purposes of illustration and that the purport of this invention is to provide openings through which any elements may be urged to lie above the base of the curb box.

The supporting member in its entirety including the member 8 and boxing 10 may be made of metal or any other suitable material and may be cast, molded or formed in any other desired manner. The configuration of the manner herein set forth is deemed important in order that the curb box will be sustained in a vertical position at all times. It is, moreover, important that locking means be provided on the boxing 10 which overhang the base of the curb box so as to prevent vertical displacement of the latter. The present device will hold the curb box and support together so that if moved at all they will be moved as a unit and immaterial of the expansion and contraction of the earth caused by changes in atmospherical conditions, there will be no change in the relative conditions of the curb box and the support.

It is to be understood that various changes may be made in this device especially in the details of construction, proportion and arrangement of parts without departing from the spirit and scope of the invention as covered in the claims appended hereto.

What is claimed is:—

1. A curb box and cock support including a supporting member engageable beneath the cock of a supply pipe and adapted for the reception of a curb box, and means forming a part of the supporting member to prevent longitudinal displacement of the curb box from the latter.

2. A curb box and cock support including a supporting member engageable beneath the cock of a supply pipe and adapted for the reception of a curb box, means formed integral with one side of said member to engage one side of the curb box for preventing longitudinal displacement of said box from the member, and means engageable through the other side of said member to engage the other side of said box to hold the latter from displacement.

3. A curb box and cock support including a supporting member engageable beneath the cock of a supply pipe and adapted for the reception of a curb box, means formed on one side of said member to overhang the curb box at one side of the latter, the other side of said member having openings therein to receive means adapted to overhang said curb box on the other side of the latter to prevent relative movement of said member and box.

4. A curb box and cock support including an integral casting composed of a substantially rectangular plate, opposite margins of which are extended to provide ribs and a boxing upstanding on said plate having parallel lugs for the reception of a supply pipe, and fingers formed on said boxing and extending inwardly at right angles to the sides of the latter substantially as described.

5. An article of manufacture consisting of a relatively thin metal plate with a boxing issuing from its upper face, diametrically oppositely disposed lugs formed in two sides of said boxing, fingers formed on another side of said boxing and still another side of the boxing having openings formed therein.

In testimony whereof I affix my name.

JOHN R. FLINN.