

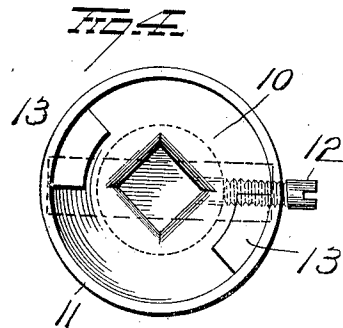
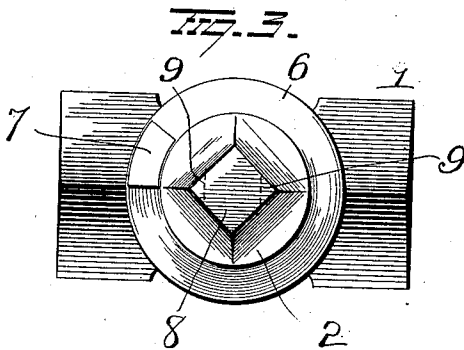
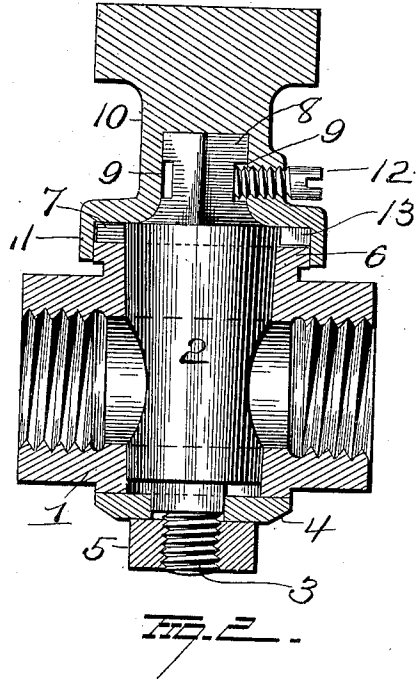
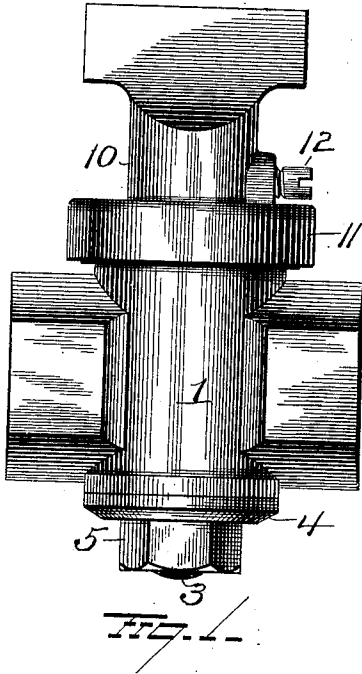
No. 827,593.

PATENTED JULY 31, 1906.

C. L. WILKINS.

CURB COCK.

APPLICATION FILED MAY 20, 1904.



WITNESSES

E. Nottingham
G. F. Downing

INVENTOR

C. L. Wilkins
Cy. A. Seymour
Attorney

UNITED STATES PATENT OFFICE.

CHARLES LAWRENCE WILKINS, OF COLUMBUS, OHIO, ASSIGNOR TO THE
OHIO PUMP AND BRASS COMPANY, OF COLUMBUS, OHIO.

CURB-COCK.

No. 827,593.

Specification of Letters Patent.

Patented July 31, 1906.

Application filed May 20, 1904. Serial No. 208,909.

To all whom it may concern:

Be it known that I, CHARLES LAWRENCE WILKINS, of Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Curb-Cocks; 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.

My invention relates to an improved curb-cock, the object of the invention being to provide an improved cock in which it is impossible to jam the plug by pressure applied on the T-head or cap, and, further, to provide an improved construction of T-head and cap made integral with integral stop-lugs, so that the head cannot be bent or twisted by turning the key the wrong way or continuing to turn the same after the stop and lug have become engaged, and, further, to provide improvements of this character which will exclude all dirt from the cock.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in elevation, illustrating my improvements. Fig. 2 is a view in vertical section. Fig. 3 is a top plan view with cap removed, and Fig. 4 is a bottom plan view of the cap.

1 represents the casing or shell of my improved curb-cock, having a conical turning-plug 2, made with a threaded lug 3 on its lower end passed through a washer 4, and has a nut 5 screwed thereon to secure the plug in proper position. The ends of the casing or shell are made externally angular to receive a wrench and are internally circular and screw-threaded to receive threaded pipes screwed therein.

The upper end of the plug-valve casing is made with a flat circular enlargement 6 and has on its upper face an integral stop 7, and the plug 2 has an angular extension 8 projecting above the casing and notched in two of its angular edges, as shown at 9, for a purpose which will hereinafter appear.

10 represents my improved combined cap and T-head, which comprises one integral casting having a depending apron 11 at the edge of the cap to inclose the circular enlarge-

ment 6 of the casing 1 and exclude all dirt therefrom, and said casting 10 has an angular socket to receive the angular extension 8 of plug 2 and compel the T-head and valve to turn together, and a screw 12 is located in a threaded opening in the casting and adapted to jam against a notched edge 9 of the extension 8 and securely lock the parts together.

In the cap portion of casting 10 at opposite sides integral lugs 13 are provided which rest on enlargements 6, serve as stops in both directions by engaging stop 7, and sustain all strain on the T-head and valve, and as these lugs are located opposite each other the T-head cannot be wrongly placed.

The usual means employed for opening and closing curb-cocks is a long detachable T-handle socket-wrench, which is pushed down into the street-box. With my improvements the strain is entirely on the casting 10 comprising the T-head and cap, as the stop-lugs 13 are integral therewith and the stop 7 is on the casing 1, relieving the valve of all strain. Also in trying to locate the T-head of the cock the wrench will exert considerable pressure thereon, which in other forms of valve will jam the valve and interfere with the perfect operation of the valve, while with my improvements such pressure is not felt by the plug-valve 2 at all, but is sustained entirely by the casting 10 with its lugs 13 on the enlargement 6 of casing or shell 1.

Slight changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

In a cock, the combination with a valve-casing, a circular enlargement around the valve-opening, a stop-lug projecting from the face of said circular enlargement, and a plug-valve mounted to turn in said casing, of a combined head and cap secured to the shank of the valve, an annular flange on said cap and embracing the circular enlargement on the valve-casing, and fixed lugs located at

5 diametrically opposite points on the under
face of the cap within the annular flange and
resting on the circular enlargement of the
valve-casing to sustain all strain on the head
and valve and to cooperate with the stop on
said circular enlargement and insure the
proper placing of the valve.

In testimony whereof I have signed this
specification in the presence of two subscrib-
ing witnesses.

CHARLES LAWRENCE WILKINS.

Witnesses:

D. L. DAVIES,
LEO. J. HENNES.