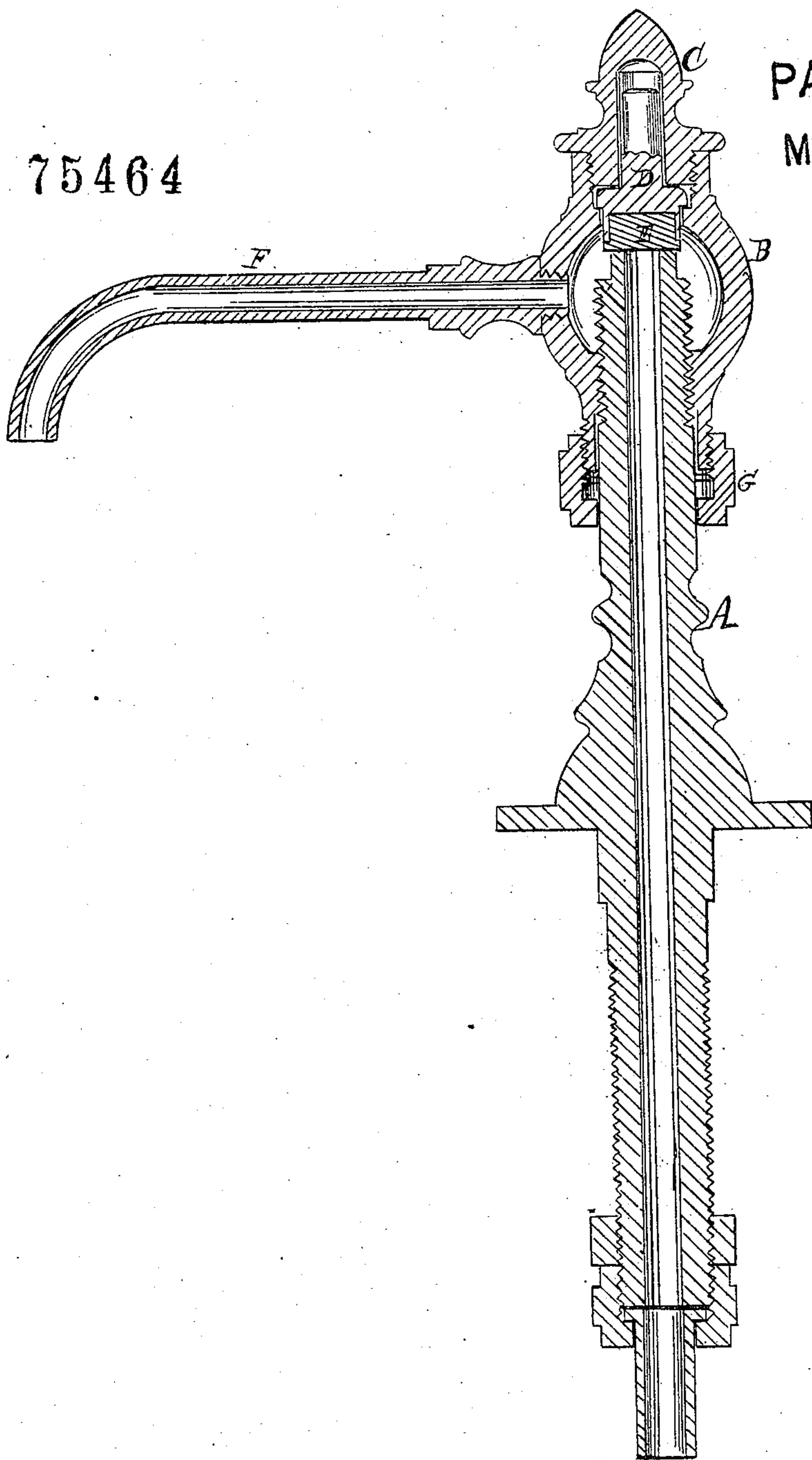


Robert P. Ross Basin Water Cock.

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PATENTED
MAR 10 1868

Witnesses.
Thos. Enosche
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United States Patent Office.

ROBERT P. ROSS, OF BETHLEHEM, PENNSYLVANIA.

Letters Patent No. 75,464, dated March 10, 1868.

IMPROVEMENT IN BASIN-FAUCETS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ROBERT P. ROSS, of Bethlehem, in the county of Northampton, and State of Pennsylvania, have invented a new and improved Basin Water-Cock; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to the manner in which the cock is packed, and it consists in arranging a drop-valve with an elastic face, which is operated by a screw, whereby all leakage is prevented, as will be hereinafter described.

The drawing represents a vertical longitudinal section of the cock, showing the general arrangement of the parts of which it is composed, and the manner in which they are combined.

A represents the tube or body of the cock. B is the hollow chamber, which screws on to the tube A. C is the cap of the cock, which screws into the part B. D is the drop-valve, which is placed in the chamber loose when the cap is off. This valve has a stem, which runs up into the cap, as seen in the drawing. The lower portion of D forms a recess, into which is placed rubber or some other suitable elastic packing, which is marked E. F is the spout or delivery-tube of the cock, which is screwed fast into the chamber B, and by which the chamber is turned as by a lever on the tube A. On the bottom end of the chamber B there is a supporting-nut, G, which moves with the chamber. As represented in the drawing, the top of the water-tube A is closed against the packing E.

By turning the chamber B, with the discharge-pipe or spout F, so as to unscrew it, the packing of the valve E will be raised from the end of the tube A, and water will flow therefrom into the chamber B, and be discharged by the spout F.

As these basin-cocks have heretofore been made, the joint on the top of the tube has been formed of metallic surfaces, and, in consequence, it has been extremely difficult to prevent leakage. To remedy this difficulty is the object of the present improvement.

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

1. The cap C, when made hollow for the reception of the stem of the valve D, said valve having its seat upon the tube A, within the chamber B, as herein described, for the purpose specified.
2. The loose valve D, in the tight cap C, fitting into the upper end of the chamber B, the packing, E, of said valve resting upon the upper end of the stem A, when the water is shut off by turning down said chamber, and lifted above the end of the stem A when the water is turned on, by turning up said chamber, as herein shown and described.

The above specification of my invention signed by me, this 19th day of June, 1867.

ROBERT P. ROSS.

Witnesses:

WM. F. McNAMARA,
ALEX. F. ROBERTS.