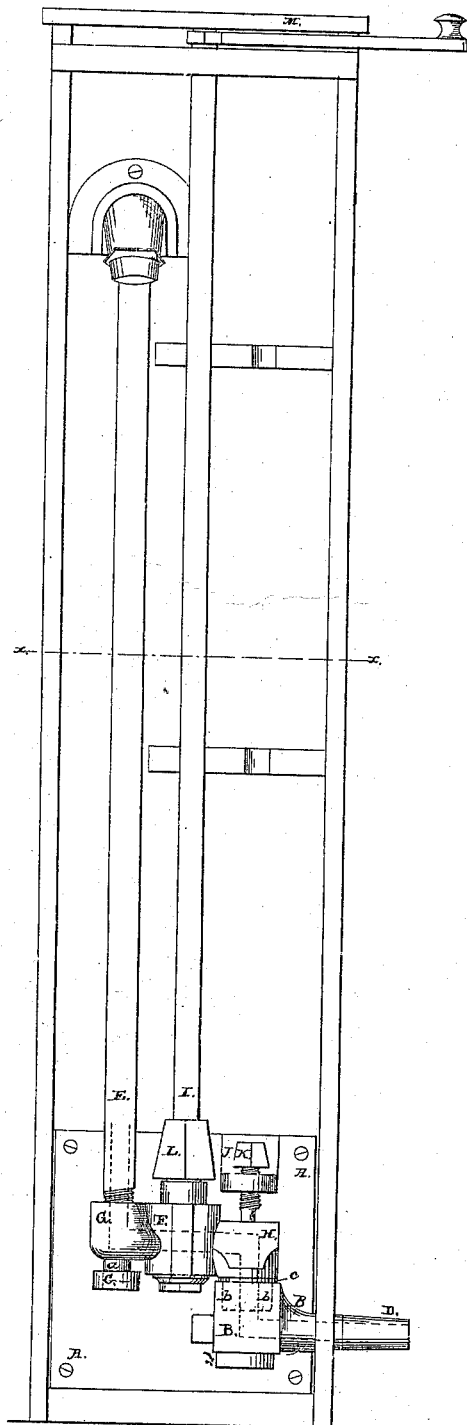


T. T. TASKER.  
HYDRANT.

No. 2,714.

Patented July 11, 1842.



# UNITED STATES PATENT OFFICE.

THOS. T. TASKER, OF PHILADELPHIA, PENNSYLVANIA.

## HYDRANT.

Specification of Letters Patent No. 2,714, dated July 11, 1842.

*To all whom it may concern:*

Be it known that I, THOMAS T. TASKER, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in the Manner of Constructing Hydrants for the Supply of Water from Waterworks, by which improvements the operating parts of such hydrants may be readily removed for repair and may be replaced without disturbing the pavement and ground around them; and I do hereby declare that the following is a full and exact description of my said improvement.

The accompanying drawing represents the front elevation of a hydrant, as improved by me, the front boards of the casing being removed for the purpose of exhibiting the arrangement of the interior. The parts below the line *x x*, are supposed to be below the surface of the ground, or pavement.

A, A, is a plate of cast-iron which is firmly screwed to the back plank of the case of the hydrant, and is intended to remain permanently in place. With the plate A, A, there are cast two studs, or supports, B, and C. Through the stud B, there is a hole bored which constitutes a part of the waterway from the supply pipe D, to the rising, or delivery, pipe E, of the hydrant.

F, G, and H, are portions of one piece of metal, the middle portion F, constituting the body of the stop cock, which is turned by the rod I, in the usual manner. Into the part G, the rising pipe E, is screwed, so as to make a water tight joint. The lower end of the part G, falls into a hole, or recess, in the stud C, it being provided with a projecting pin *a*, which fits into the hole in C, by which it is held steady. The lower portion of the part H, is furnished with a neck, represented by the dotted lines *b, b*, which is received within a recess prepared for it in the stud B. Between the pieces H, and B, there is a washer *c*, of leather, or other suitable sub-

stance, by which their junction is rendered water-tight when they are forced together. To effect this forcing together, there is a third stud J, cast with the plate A, and through this is inserted a holding screw K, which may be made to bear upon the upper end of the piece H, so as to press it firmly down upon the stud B.

By the above described arrangement of the respective parts, the whole of the apparatus above the stud B, may be removed by merely retracting the screw K; and this is effected in the following manner. The socket L, of the rod I, fits on to the head of the screw K, and by removing the head M, of the case of the hydrant, said rod may be shifted so as to raise the screw K, and allow the piece G, F, H, to be lifted free of the studs B, and C, when the whole apparatus may be removed for repair, or adjustment.

Having thus fully described the nature and object of my improvement in the manner of constructing hydrants, what I claim therein as new, and desire to secure by Letters Patent, is—

The affixing of the whole of the acting part of the hydrant, consisting of the stop cock, the rising pipe, the rod by which the stop cock is turned, and their immediate appendages, to a permanent plate at the lower end of the hydrant case, furnished with studs, or supports, and with a holding or set screw, or with some analogous and equivalent device, by which the said apparatus may be held in place, and by the retracting of which it may be removed; the whole being constructed, arranged, and operating substantially as herein set forth and made known.

THOMAS T. TASKER.

Witnesses:

PETER HAY,  
H. I. MORRIS.