

No. 744,441.

PATENTED NOV. 17, 1903.

G. UNDERWOOD.
SPIGOT.

APPLICATION FILED MAY 21, 1903.

NO MODEL.

Fig. 1

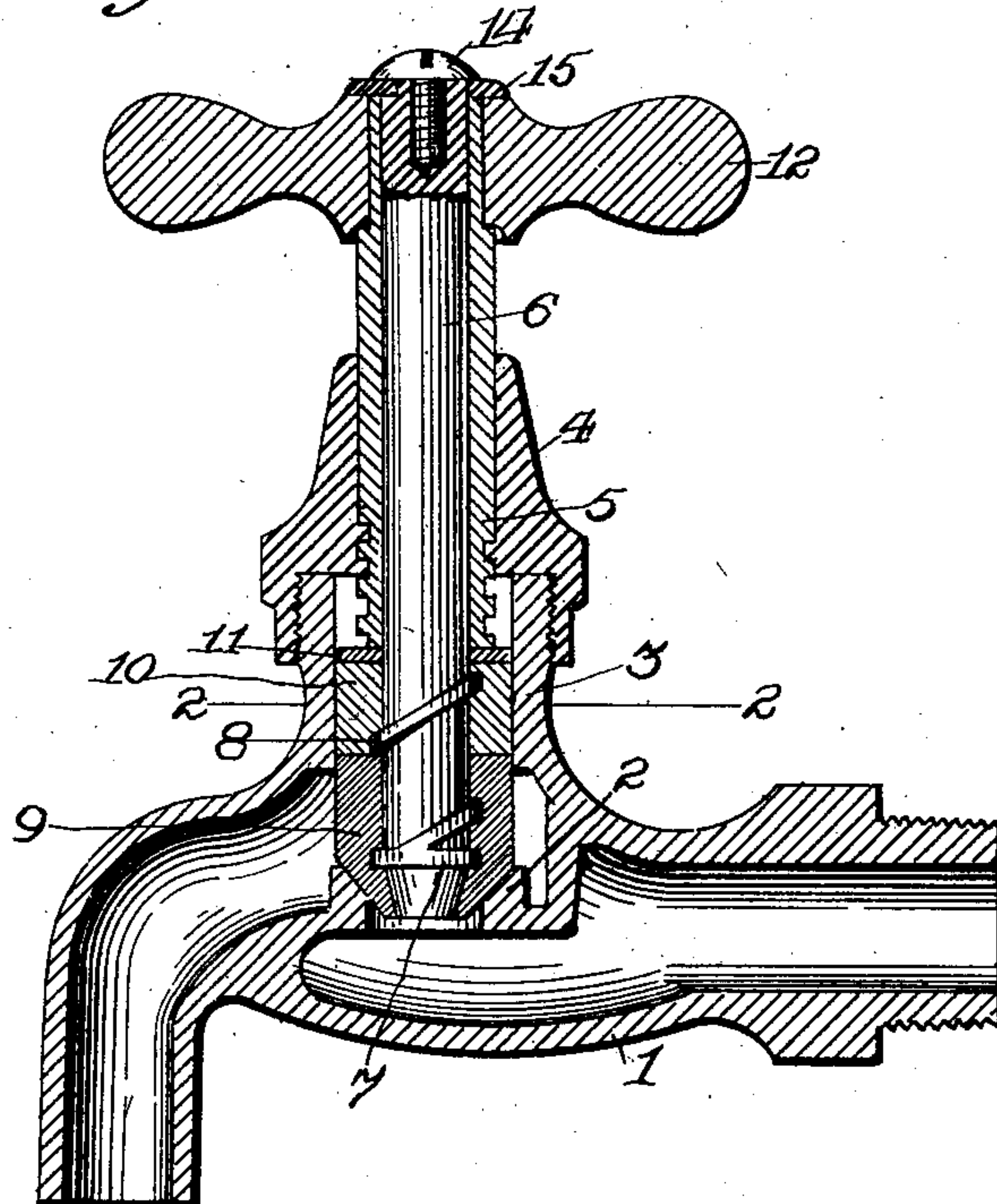
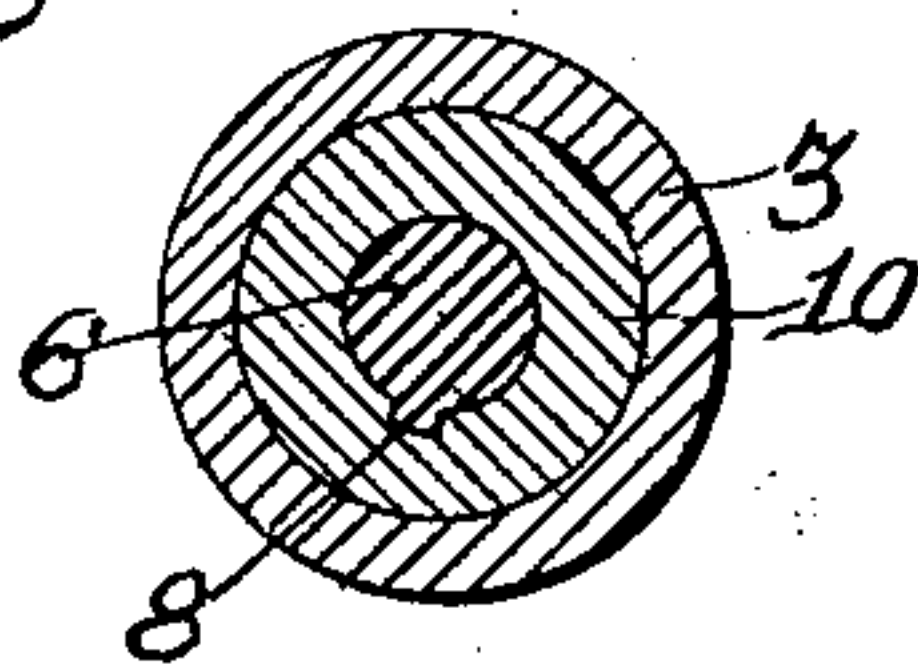


Fig. 2



Witnesses:
Geo. B Rowley
E. E. Potter,

Inventor;
G. Underwood
By *H. C. Everett & Co.*
Attorneys.

UNITED STATES PATENT OFFICE.

GAYLORD UNDERWOOD, OF McKEES ROCKS, PENNSYLVANIA.

SPIGOT.

SPECIFICATION forming part of Letters Patent No. 744,441, dated November 17, 1903.

Application filed May 21, 1903. Serial No. 158,121. (No model.)

To all whom it may concern:

Be it known that I, GAYLORD UNDERWOOD, a citizen of the United States of America, residing at McKees Rocks, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Spigots, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in spigots, and relates more particularly to that class of spigots which are known in the trade as "bibs" and "cocks." The same, however, may be used as a valve.

15 The object of this invention is to provide a bib or valve wherein the same will be self-stuffing, thereby obviating the necessity of providing a stuffing means such as have heretofore been used.

20 In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate like parts throughout the several views, in which—

25 Figure 1 is a sectional elevation of my improved device. Fig. 2 is a sectional plan view taken on the line 2 2 of Fig. 1.

The reference-numeral 1 indicates the main part of the device, in which the usual angular seat 2 is formed. The extension 3, onto which the screw-threaded cap 4 is adapted to be fitted, is provided, and this cap 4 has its interior screw-threaded, and a stem 5 is adapted to operate therein. The interior of this stem 5 is hollow, and a valve-stem 6 is closely fitted therein, the lower end of the same having a ring 7 and a spiral projection 8 formed thereon. Over the lower end of this valve-stem the part 9 forming the valve is cast, said part being preferably formed of lead, with a certain amount of antimony or other hardening material mixed therein. The part 10 is also cast on this stem at the same time; but said part 10 is preferably made of soft material, such as lead or the like. A washer 11 encircles said valve-stem and rests on top of part 10, and the position of said stem on which the parts 9 and 10 are formed is determined by the position of the stem 5, such position being regulated by the rotation of said stem.

The upper end of the stem 5 is squared, and a handle 12 is placed thereon, the stem 6 being secured within the stem 5 by means of a screw 14 and washer 15. (Clearly indicated in Fig. 1.) In raising or lowering the valve 55 by the rotation of the handle 12 the part 5 will be rotated; but the part 6 will not receive this rotary motion, due to the fact that the part 10 has a frictional contact with the neck 3 of the valve-body. When the part 10 is worn away to such an extent that it has no frictional contact with the neck of the valve-body, the compression of the part 4 against said part 10 will compress the same, thereby forcing it outwardly against said neck of the valve-body, thus insuring a water-tight joint between the same. 60

It will be noted that while I have shown and described this device as applied to a spigot the principle thereof will be applicable to any style of valve and that various slight changes may be made in the details of construction without departing from the general spirit of my invention. 70

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is— 75

The combination with the valve-body provided with a seat, of a valve-stem formed adjacent its lower end with a spiral rib terminating in a ring at its lower end, a valve secured to the lower end of said stem, the upper part of said valve being formed of soft metal, a washer arranged on top of said valve, a cap secured to said valve-body, a stem surrounding the said first-named stem and having its lower end engaging said washer, the lower portion of said last-named stem being formed with threads engaging corresponding threads formed in the said cap, and a handle secured to the upper end of the said last-named stem. 80 85 90

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

GAYLORD UNDERWOOD.

Witnesses:

H. C. EVERT,
E. E. POTTER.