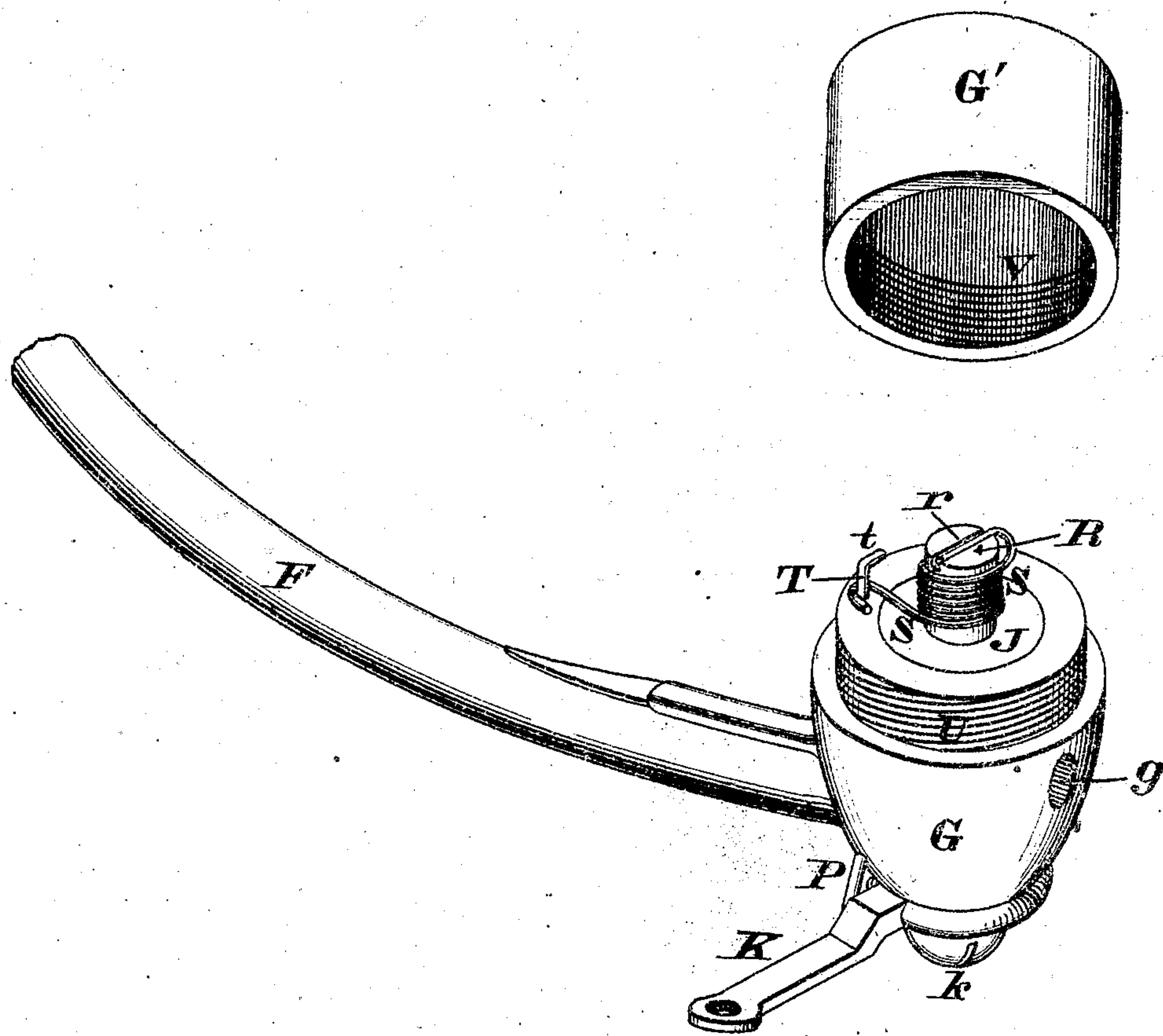


J. KNOCHE.
Improvement in Faucets.

116326

PATENTED JUN 27 1871



ATTEST.
Jas. H. Layman,
Notary Public

J. Knoche
INVENTOR.
By *R. H. Bess*
Attys

UNITED STATES PATENT OFFICE.

JOHN KNOCHE, OF CINCINNATI, OHIO.

IMPROVEMENT IN FAUCETS.

Specification forming part of Letters Patent No. 116,326, dated June 27, 1871.

To all whom it may concern:

Be it known that I, JOHN KNOCHE, of Cincinnati, in the county of Hamilton and State of Ohio, have invented an Improvement in Faucets, of which the following is a specification:

This invention relates to that class of faucets for which Letters Patent were issued to myself and Henry Varwig June 21, 1870; and my present improvement consists in a different arrangement of the spring which operates the air-cock, said spring being so constructed as to be applied with greater facility and to permit the removal of the valve-chamber cap without disturbing the spring.

The drawing is a perspective view of the air-valve chamber, with its cap removed and a portion of the air-duct shown attached to said chamber.

The air-duct F, valve-chamber G G' g, plug J, arm K k, and pin P, being precisely similar to those described in the aforesaid patent, require no further description here. Projecting upwardly from the plug or valve J is a stem, R, around which is coiled a helical spring, S, whose upper end engages with a slot, r, in the top of said stem, while its lower end bears against a pin, T,

having a horizontal projection, t, to prevent the detachment of said spring therefrom. The valve-chamber G is provided with a male screw, U, which engages with a female screw, V, of the cap G'. The spring S, being a simple helical one, can be manufactured cheaper than the volute spring shown in my previous patent, besides which it is not disturbed by the removal of the cap. In my old faucet the spring was attached both to the valve-stem and also to the cap, and if at any time it became necessary to remove the valve the spring had first to be detached either from said stem or cap; but with the present arrangement this difficulty is entirely obviated.

I claim as my invention—

The arrangement of plug J, stem R r, coiled spring S, and pin T, when used in connection with the valve-chamber G and detachable cap G', as herein explained.

In testimony of which invention I hereunto set my hand.

JOHN KNOCHE.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.