

H. VARWIG.

Faucets.

No. 137,981.

Patented April 15, 1873.

Fig. 1.

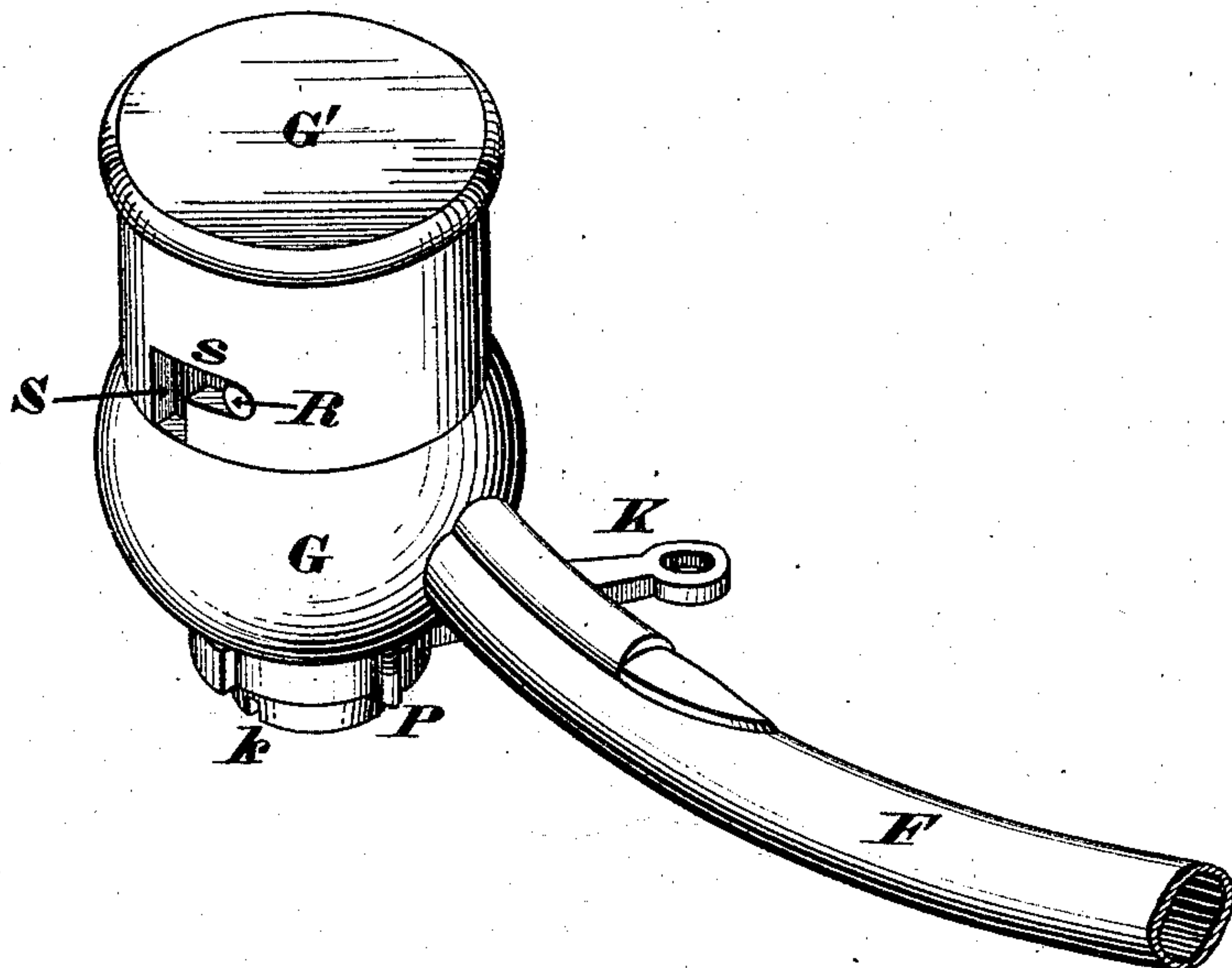
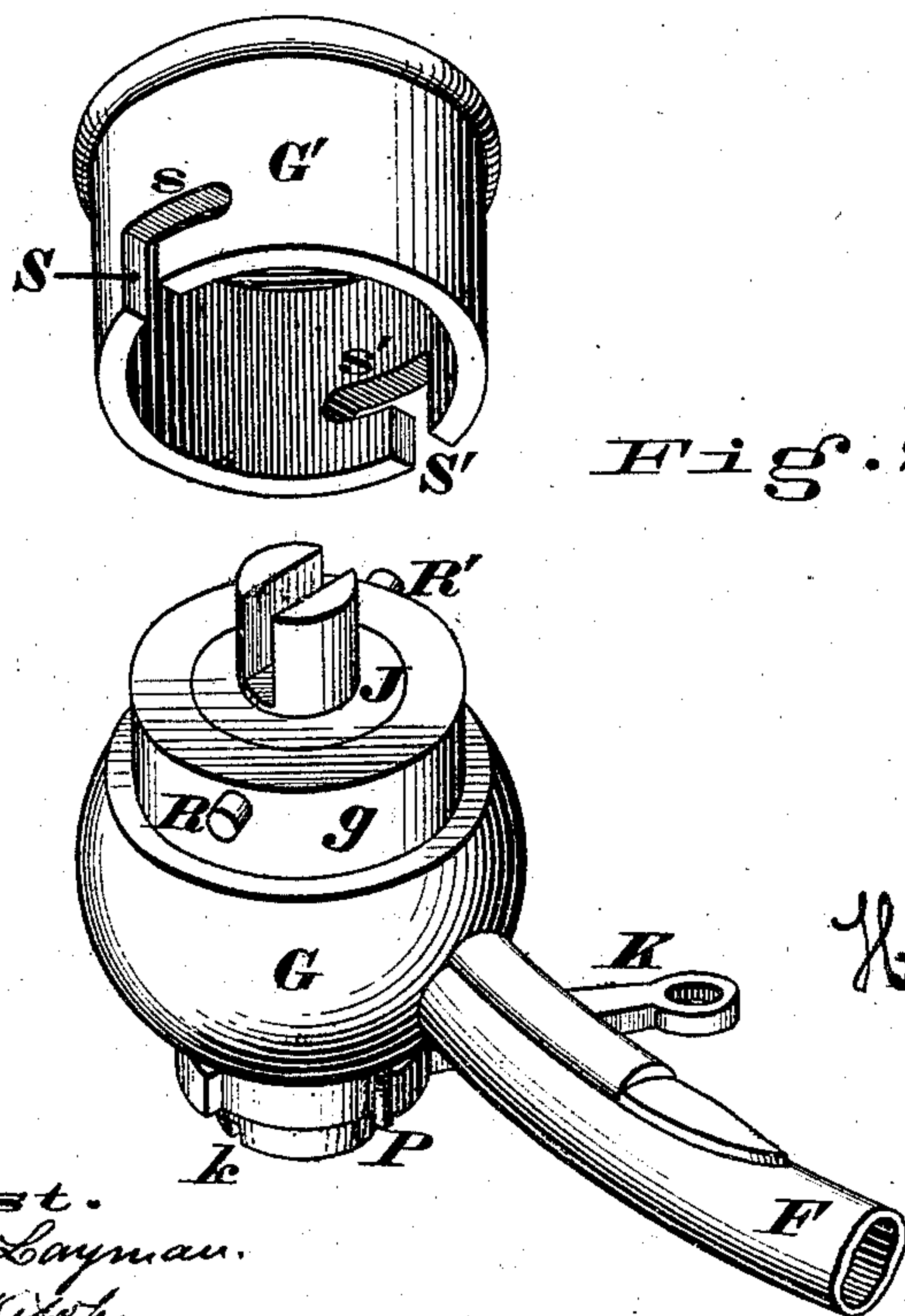


Fig. 2.



Henry Varwig  
By Knight Bros.  
Att'ys.

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Geo. H. Layman.  
John H. Layman

# UNITED STATES PATENT OFFICE.

HENRY VARWIG, OF CINCINNATI, OHIO.

## IMPROVEMENT IN FAUCETS.

Specification forming part of Letters Patent No. **137,981**, dated April 15, 1873; application filed August 20, 1872.

*To all whom it may concern:*

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

### *Nature and Objects of the Invention.*

This is an improvement in the class of faucets represented by the subject-matter of Letters Patent issued to John Knoche and Henry Varwig June 21, 1870, and to John Knoche June 27, 1871; and my improvement consists in coupling together the cap and shell of the air-cock chamber by means of a "bayonet-joint," as hereinafter more fully described.

### *Description of the Accompanying Drawing.*

Figure 1 is a perspective view of my improved faucet, the cap being coupled to the shell. Fig. 2 is a perspective view, showing the cap detached from the shell.

The air-duct F, valve-chamber G G', plug J, arm K k, and pin P, being precisely similar in arrangement and operation to those described in the aforesaid patents, require no further description in this specification.

Projecting horizontally from the hub g of the shell G are two short studs, R R', which are adapted to enter the vertical slots S S', and horizontal slots s s' of the detachable cap G'. These studs should not project beyond the outer periphery or sides of the cap.

In the original patent granted to John

Knoche and myself, the cap was attached to the shell or valve chamber proper by a set-screw, whose head was liable to be struck by any passing object, and thereby become bent or broken, besides which the said screw was liable to wear slack with use, and to thereby become useless or be lost out. The patent of John Knoche above referred to shows these two parts united by a male and female screw, which is a very expensive method of attaching them.

The bayonet-joint herein described is both cheap and simple, and not liable to get out of order, besides which it has no projecting parts to be caught or struck by any passing object. This joint allows the cap to be detached from the shell in a moment's time, and as readily applied.

What I claim as my improvement in faucets is—

The combination of the detachable cap G' with the valve-chamber G g, when the former is provided with the right-angular slots S S' s s', and the latter with the studs R R', all constructed and arranged for operation as and for the purpose set forth.

In testimony of which invention I hereunto set my hand.

HENRY VARWIG.

Attest:

GEO. H. KNIGHT,  
JAMES H. LAYMAN.