

E. F. SHOENBERGER.

Improvement in Faucets or Supply-Cocks.

No. 114,981.

Patented May 16, 1871.

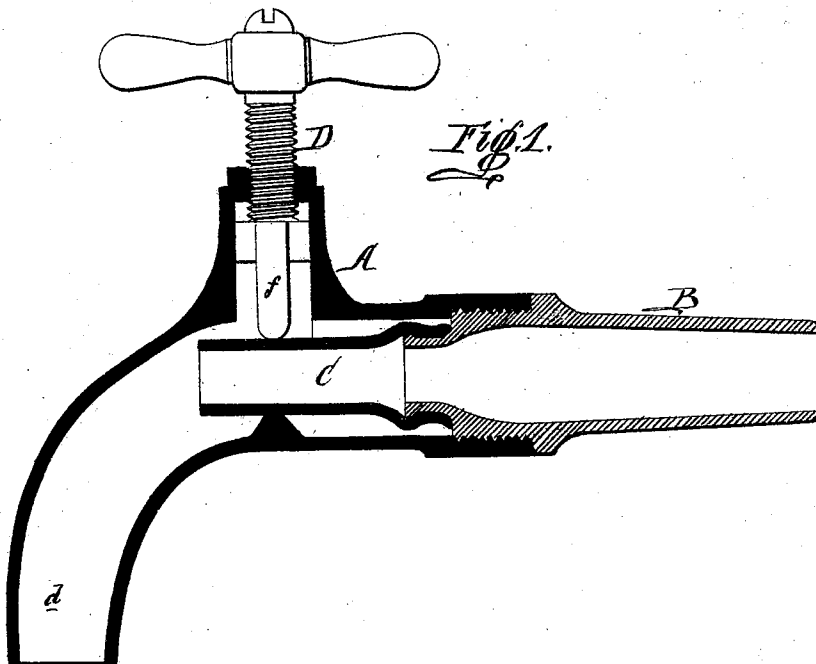


Fig. 1.

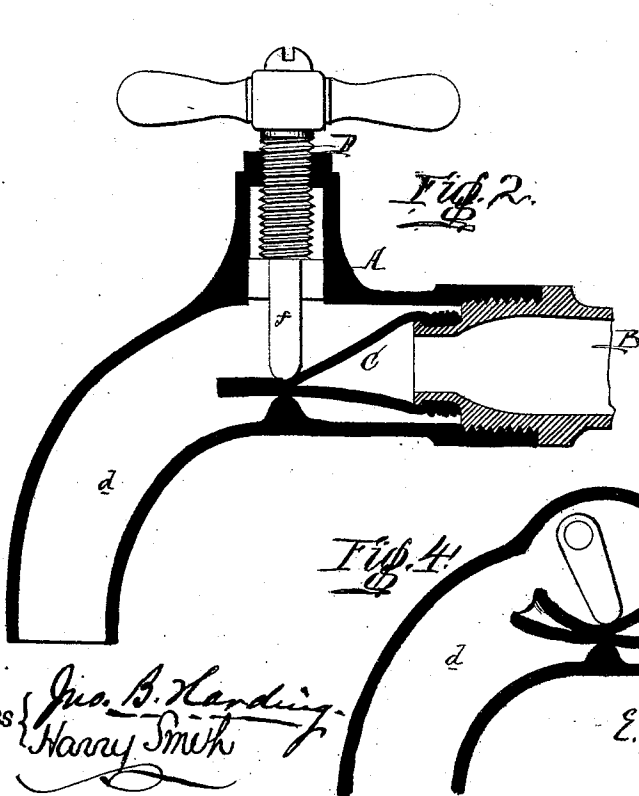


Fig. 2.

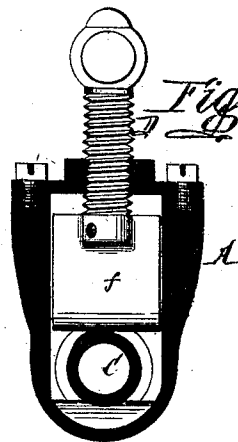


Fig. 3.

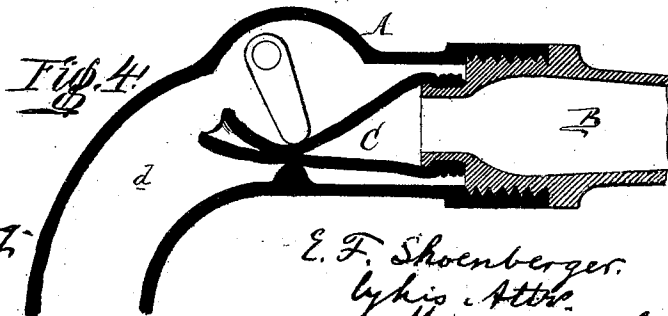


Fig. 4.

Witnesses { *Jno. B. Harding*
Harry Smith

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by his Attys.
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United States Patent Office.

EDWIN F. SHOENBERGER, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 114,981, dated May 16, 1871.

IMPROVEMENT IN FAUCETS OR SUPPLY-COCKS.

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

I, EDWIN F. SHOENBERGER, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented an Improved Faucet or Supply-Cock, of which the following is a specification.

Nature and Object of the Invention.

My invention relates to an improvement in faucets or supply-cocks, in which are combined a casing, a detachable branch, an elastic tube attached to the said branch, and a screw, or its equivalent, for compressing the said elastic tube; and

My improvement consists of a mode, fully described hereafter, of securing the said elastic tube.

Description of Accompanying Drawing.

Figures 1 and 2 are vertical sections of a faucet with my improvement;

Figure 3, a transverse section on the line 1 2, fig. 1; and

Figure 4, a view of a modification.

General Description.

The faucet represented in the drawing consists of four main parts, namely, the casing A, the branch B screwed into or otherwise secured to the said casing, the elastic tube C situated within the said casing A, and attached to and forming a continuation of the branch B, and a screw, D, for compressing the said elastic tube or permitting it to expand.

The casing A may have a curved discharge-branch, *d*, similar to that of an ordinary faucet, or this branch may be straight like that of a supply-cock.

The screw-stem D passes through a stuffing-box or cap, *e*, in the casing A, and has a rounded end or

swivel-block, *f*, for bearing on the elastic tube C, there being in the chamber of the casing A a projection, *x*, against which the elastic tube is compressed by the screw or its swivel-block when the faucet is closed, as shown in fig. 2.

The operation of the faucet will be readily understood without explanation.

A screw is not indispensable as a means of compressing the elastic tube, as a cam may be used for the same purpose in the manner too clearly illustrated in fig. 4 to need explanation.

It will be seen that the elastic tube C does not touch the casing of the faucet at any point except when compressed on the projection *x*, so that when the casing is removed the elastic tube does not adhere within the same, but remains connected with the branch B, from which it can be readily detached, the danger of injury to the tube in removing it from the casing, to which in time it may become cemented, being avoided.

Claim.

The combination of the casing A, branch B having an annular projection on its inner end, an elastic tube, C, connected to said projection, and devices, substantially as described, for compressing and releasing said tube.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWIN F. SHOENBERGER.

Witnesses:

WM. A. STEEL,

JNO. B. HARDING.