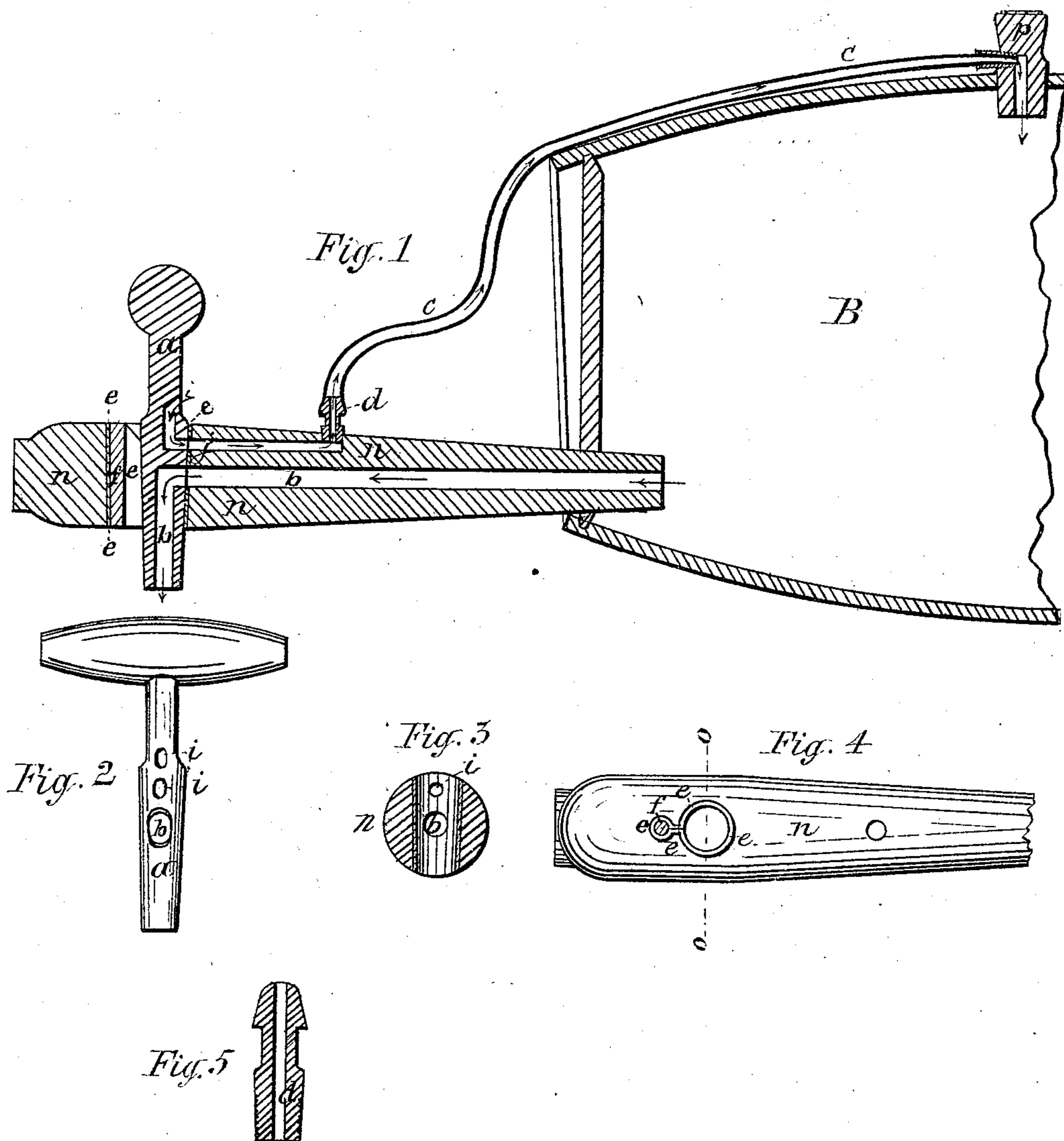


J. H. CHRISTMAN.
Faucet-Bushings.

No. 151,473.

Patented June 2, 1874.



WITNESSES.

Louis F. Smith
Frank Olds.

INVENTOR.

John H. Christman

UNITED STATES PATENT OFFICE.

JOHN H. CHRISTMAN, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN FAUCET-BUSHINGS.

Specification forming part of Letters Patent No. 151,473, dated June 2, 1874; application filed November 11, 1873.

To all whom it may concern:

Be it known that I, JOHN H. CHRISTMAN, of the city of Syracuse, in the county of Onondaga and State of New York, have invented a new and useful Improvement in Bushing for Faucets; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 is a view of one-half of the barrel of the faucet and one-half of the plug cut lengthwise, and also of the tube and bung. Fig. 2 is a view of the plug of the faucet. Fig. 3 is the front view of the taper hole in the barrel of the faucet. Fig. 4 is the barrel of the faucet, showing the leather bushing of the taper hole. Fig. 5 is a view of one-half of the coupling cut lengthwise.

Similar letters of reference indicate corresponding parts in the several figures.

The nature of my invention consists in the manner of attaching a bushing to a faucet-barrel, substantially as herein described, by means of a dowel-pin.

The faucet is illustrated more in detail in the view, Fig. 1, which is shown opposite the taper hole in the barrel of the faucet, letter *b*, through which the plug, letter *a*, passes, a small hole, letter *f*, made through the barrel of the faucet in the same direction of the taper-hole, and opening into the taper hole, letter *b*, by a saw-slot. The taper hole, letter *b*, and the small hole, letter *f*, in the barrel of the faucet, are bushed, letters *e e*, with leather, which extends through the said saw-slot into, and also bushing, the said small hole, letter *f*; then a dowel-pin or wedge is wedged tightly in the said small hole, thereby holding the

bushing securely in its place in the taper hole, as shown in detail in view Fig. 4. In the plug of the faucet, letter *a*, are two air-holes, letters *i i*, as shown in Fig. 2, (but instead of the air-holes in the plug a slot can be made answering the same purpose,) and when the plug is turned so as to allow liquid to pass through the plug and taper hole the upper hole on the plug (or the upper part of the slot) is outside of the barrel of the faucet, and the lower one is opposite to, and connects into, an air-chamber, letter *j*, running lengthwise the barrel of the faucet from the taper hole, but not connecting with or into the passage, letter *b*, through which the liquid passes. The air-chamber in the barrel of the faucet is made of any length desired, and then passes out of the barrel of the faucet on its upper side. A metal coupling, letter *d*, made as shown in Fig. 5, is screwed into the said hole where the air passes out of the barrel of the faucet. To that coupling is attached a hose, letter *c*, of any length desired, and the opposite end of the hose is attached to a like coupling, which coupling can be screwed into the bung, letter *p*, of the barrel or cask, letter *B*, or directly into the barrel; if into the bung, then an air-chamber must pass from the coupling through the bung into the barrel or cask.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the bushing *e e* and dowel-pin *f* with the barrel of the faucet, substantially as and for the purpose herein set forth.

JOHN H. CHRISTMAN.

Witnesses:

LOUIS F. SMITH,
FRANK OLDS.