

No. 846,780.

PATENTED MAR. 12, 1907.

J. W. COLLINS.
CUT-OFF FOR FAUCETS.
APPLICATION FILED AUG. 14, 1906.

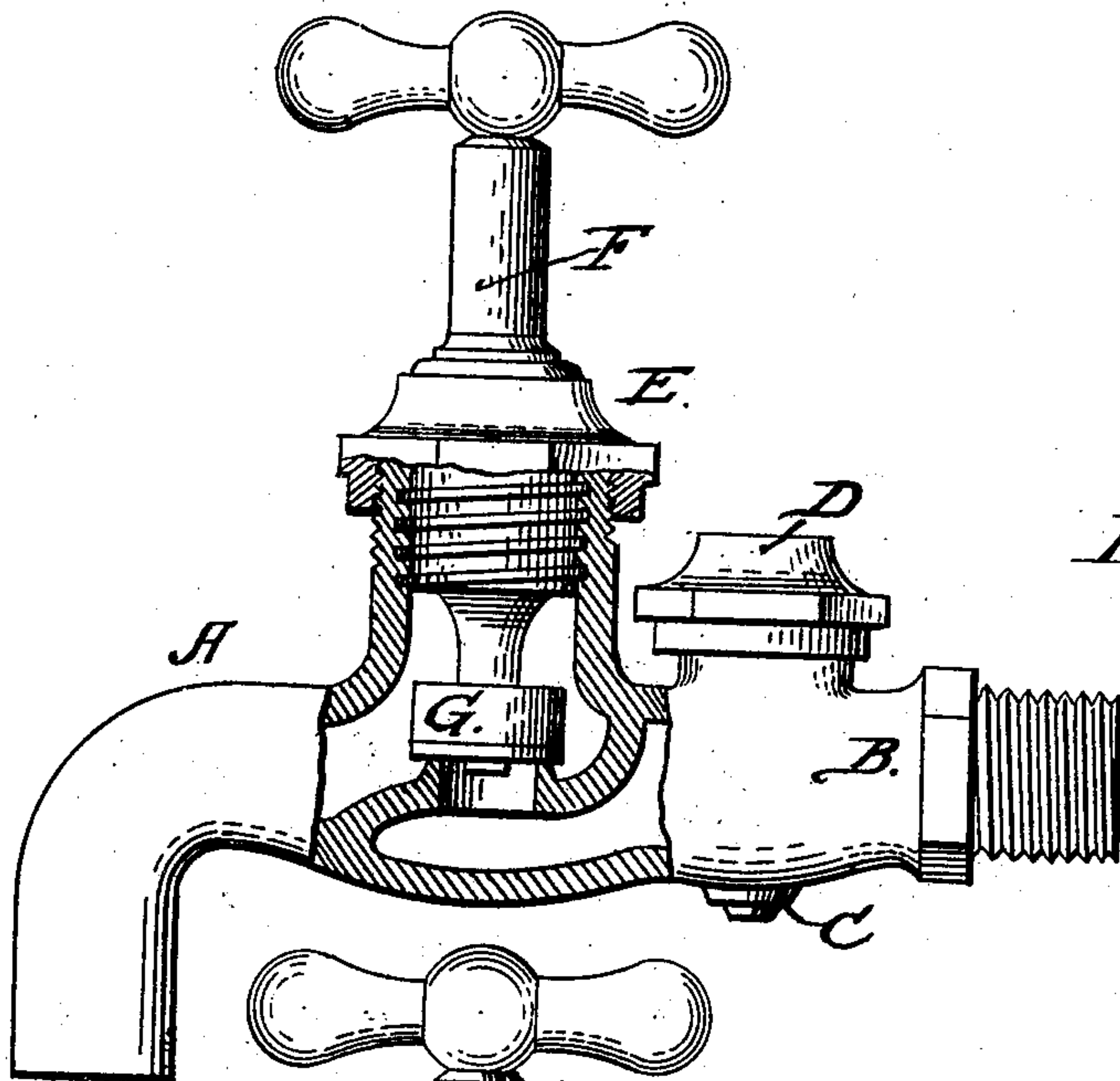


Fig. 1

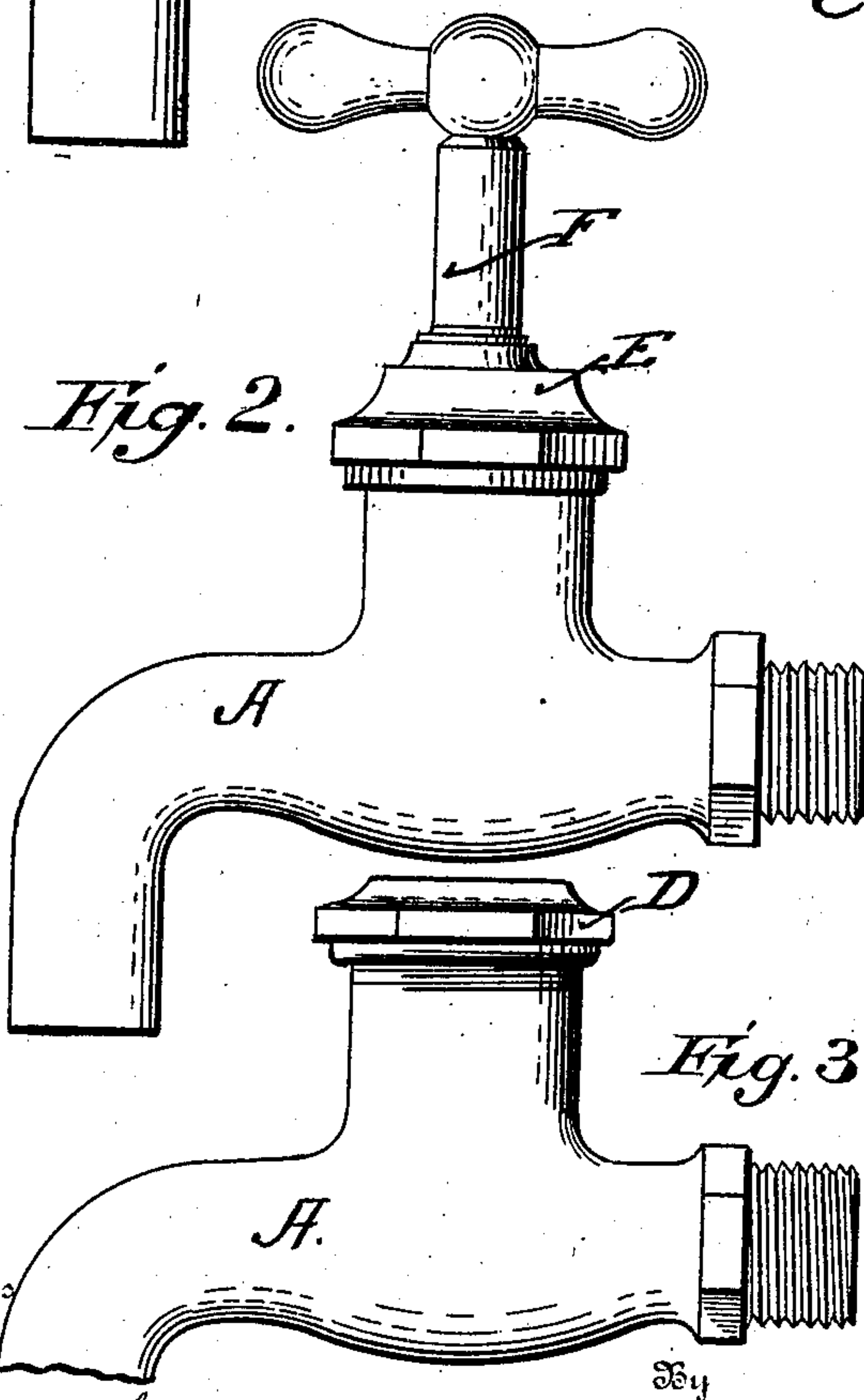


Fig. 2.

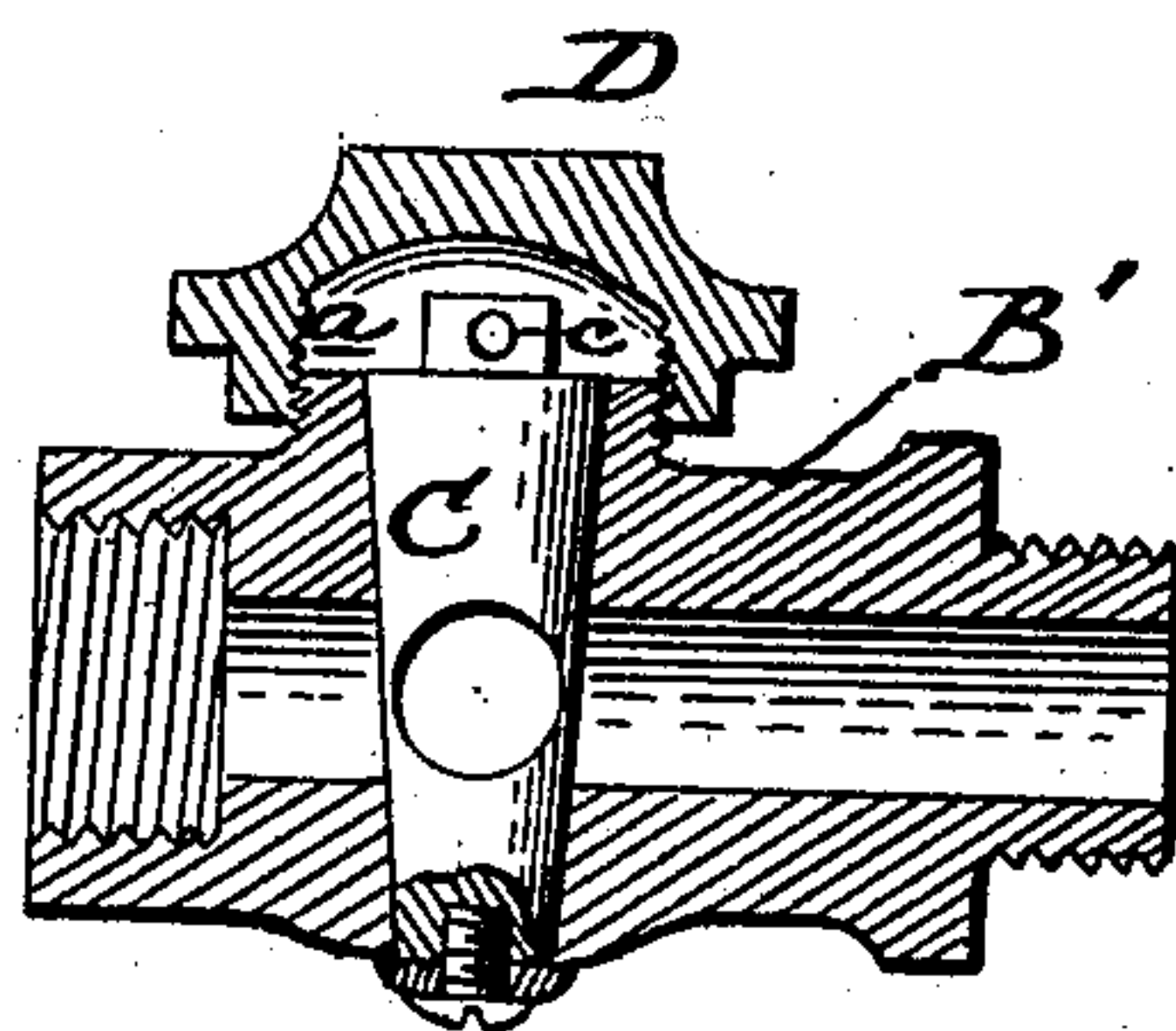


Fig. 3.

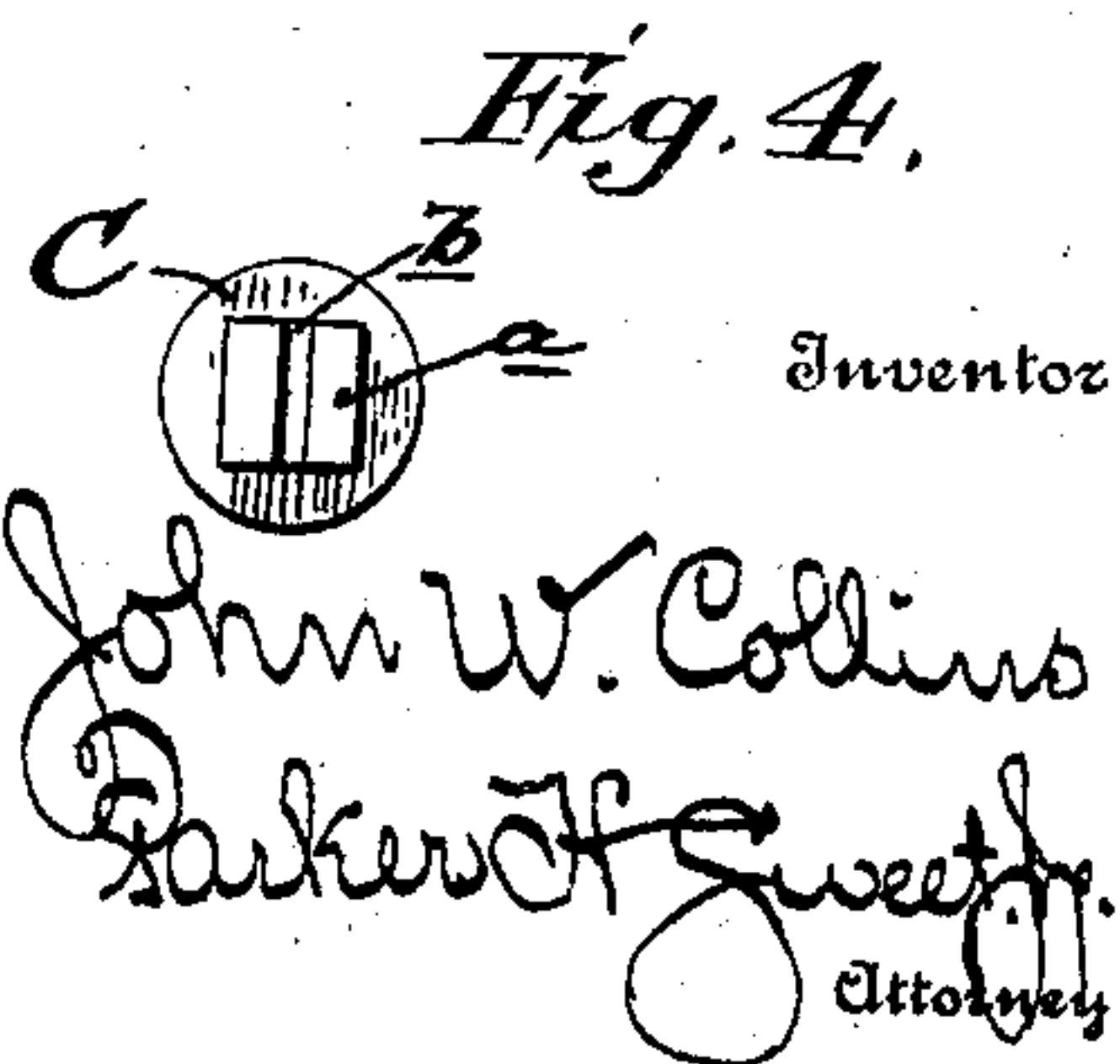


Fig. 4.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN W. COLLINS, OF WASHINGTON, DISTRICT OF COLUMBIA.

CUT-OFF FOR FAUCETS.

No. 846,78C.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed August 14, 1906. Serial No. 330,545.

To all whom it may concern:

Be it known that I, JOHN W. COLLINS, a citizen of the United States, residing at Washington, in the District of Columbia, have invented new and useful Improvements in Cut-Offs for Faucets, of which the following is a specification.

My invention relates to an improvement in cut-offs for faucets; and it has for its object to shut off the admission of water to the faucet when it becomes necessary to repair the same or to provide new washers therefor.

A further object of my invention is to provide means whereby the valve-stem and its valve may be removed from the faucet to repair the same or to apply a new washer, and at the same time to permit of the free use of the water from the faucet in the meanwhile.

To these ends my invention consists in certain novelties of construction, arrangement, and combination of parts, as hereinafter fully set forth and claimed.

The accompanying drawings illustrate the essential features of my invention, wherein like letters of reference indicate corresponding parts, and in which—

Figure 1 represents a side view, in partial section, of an ordinary faucet with my improved cut-off formed integral therewith in a single casting. Fig. 2 represents a sectional view of an ordinary faucet as applied to a separate casting containing the cut-off. Fig. 3 represents a side elevation of the faucet as detached from the cut-off with the valve-stem removed and the auxiliary cap in position to permit of the free use of water during repairs to the valve, and Fig. 4 a top plan view of the plug of the cut-off.

Referring to the drawings, the letter A designates a faucet, which may be of any preferred style or shape or similar to those now in common use. I prefer, however, to form a faucet with a slightly longer body B than those of the character stated, to contain an auxiliary plug C, all in one casting, as shown in Fig. 1, for purposes hereinafter to be stated. In a faucet thus formed the enlarged portion B is provided with the auxiliary turning plug C, the upper walls of which are screw-threaded and project slightly upward to receive a cap D, which is adjusted in position thereon to cover and conceal the top of the turning plug C and for other purposes to be hereinafter mentioned. This cap D is of the same diameter as that of the cap E,

which is arranged to screw onto the upper portion of the faucet A, and through the central opening of said cap E is adapted to revolve the valve-stem F, carrying the valve G and its packing or washer. In either case, whether the faucet A and the auxiliary turning plug C is formed in one casting or the faucet A is removably connected to the casting B', containing the turning plug C, the operation is substantially the same as hereinafter fully set forth.

The top of the turning plug C is formed with a square projection *a*, capable of receiving an ordinary wrench for turning said plug in either direction to admit or shut off the water to the faucet. This square projection *a* is also provided with a deep groove *b* across its face, so that said plug may be operated in either direction by a screw-driver or similar instrument, and a small hole *c* is also drilled through said projection for the admission of a nail or other implement to turn said plug in either direction as may be desirable or most convenient, the construction being such that the metal cap D can be readily screwed into position to conceal and cover said plug C to prevent it from being tampered with or exposed to dirt, grease, or other objectionable matter.

The operation of my invention may be described as follows: When it is necessary or desirable to provide the valve of the faucet with a new washer to prevent leakage of the same, the metal cap D is removed by a suitable wrench and the plug C turned to shut off the water from the faucet. The cap E is then unscrewed from the faucet, permitting the withdrawal of the valve-stem F and its valve G, to receive a new washer. In some cases it may be necessary to take these parts to a plumber to remove the old washer and insert a new one, in which event the solid metal cap D is screwed into position on the faucet in place of its cap E, and the water can be admitted to or shut off from the faucet by the plug C until the valve is repaired and replaced in its former position.

What I claim is—

1. A faucet of the character described, provided with an elongated portion adapted to receive an auxiliary plug having a metal cap attached thereto, and said cap being adapted to be removed therefrom and to screw upon the faucet-top when the cap carrying the valve-stem and valve is removed from

the faucet, substantially as and for the purpose specified.

2. The combination with a faucet, of the casting B' provided with the turning plug
5 C adapted to receive a metal cap D; said cap being of the same diameter as that of the cap E carrying the valve-stem F and the valve G, and adapted to be screwed upon the faucet when the said cap E, valve-stem F,

and valve G are removed therefrom, substantially as and for the purpose specified;

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

JOHN W. COLLINS.

Witnesses:

PARKER H. SWEET, Jr.,
C. M. FORREST.