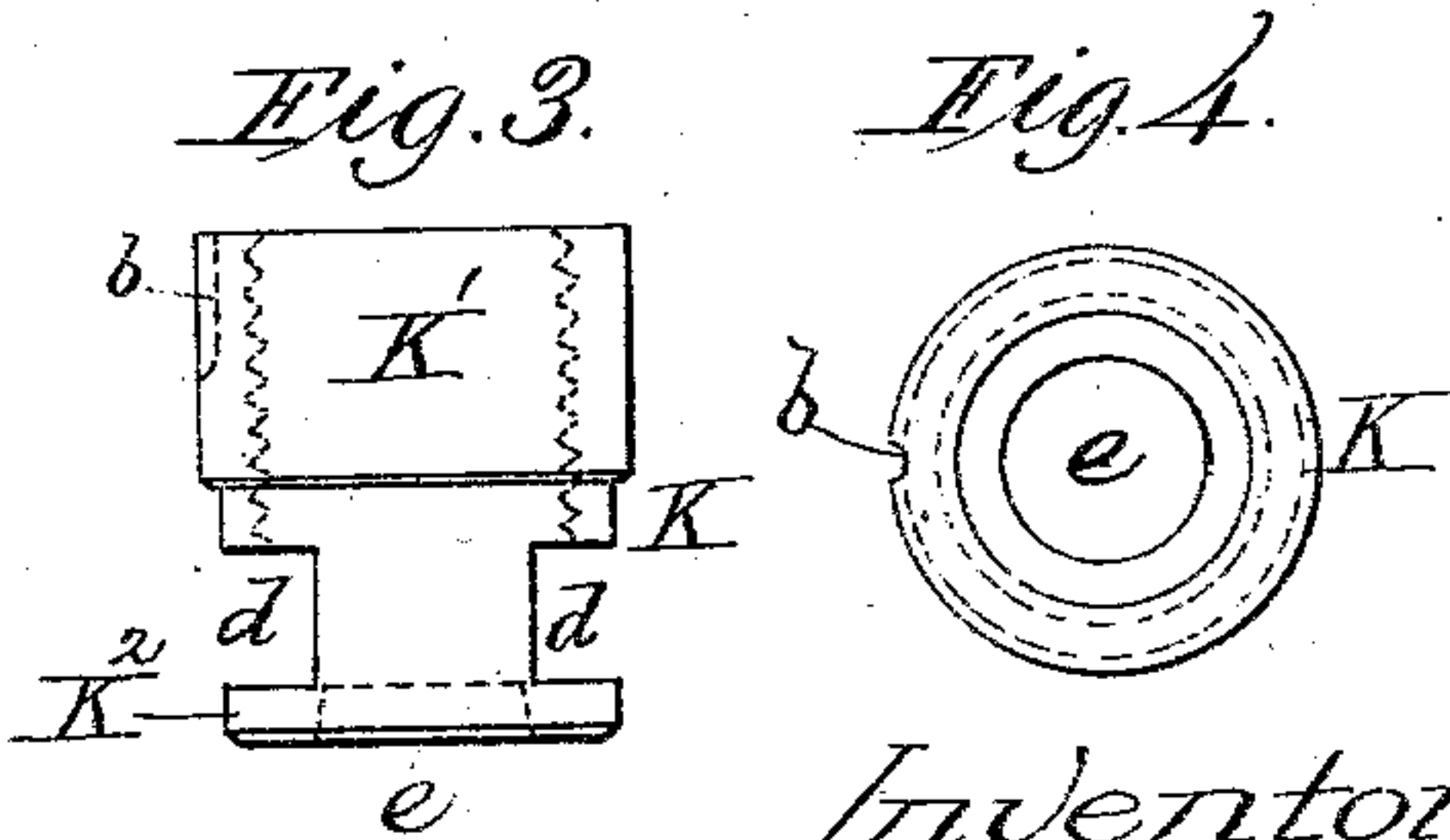
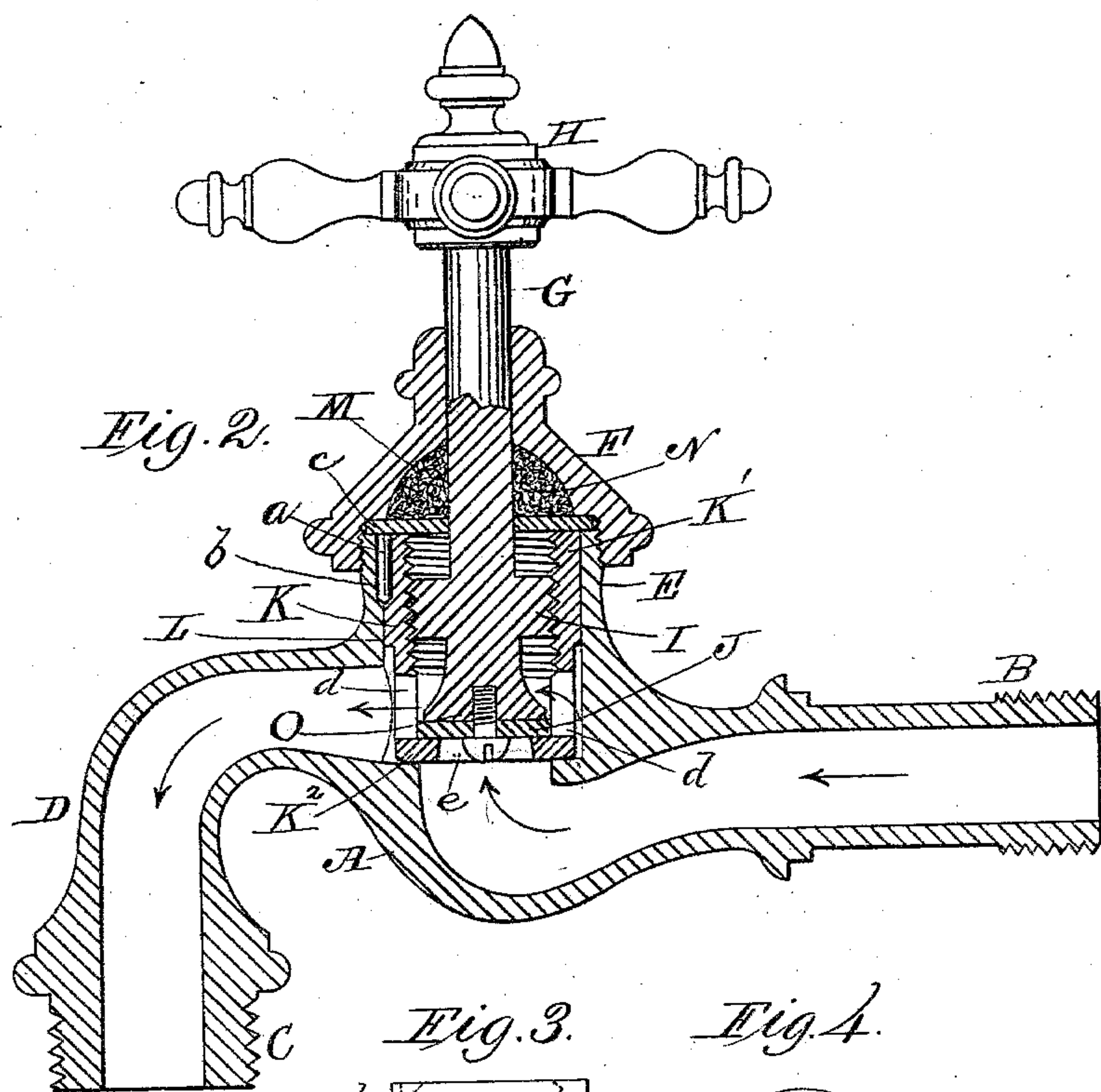
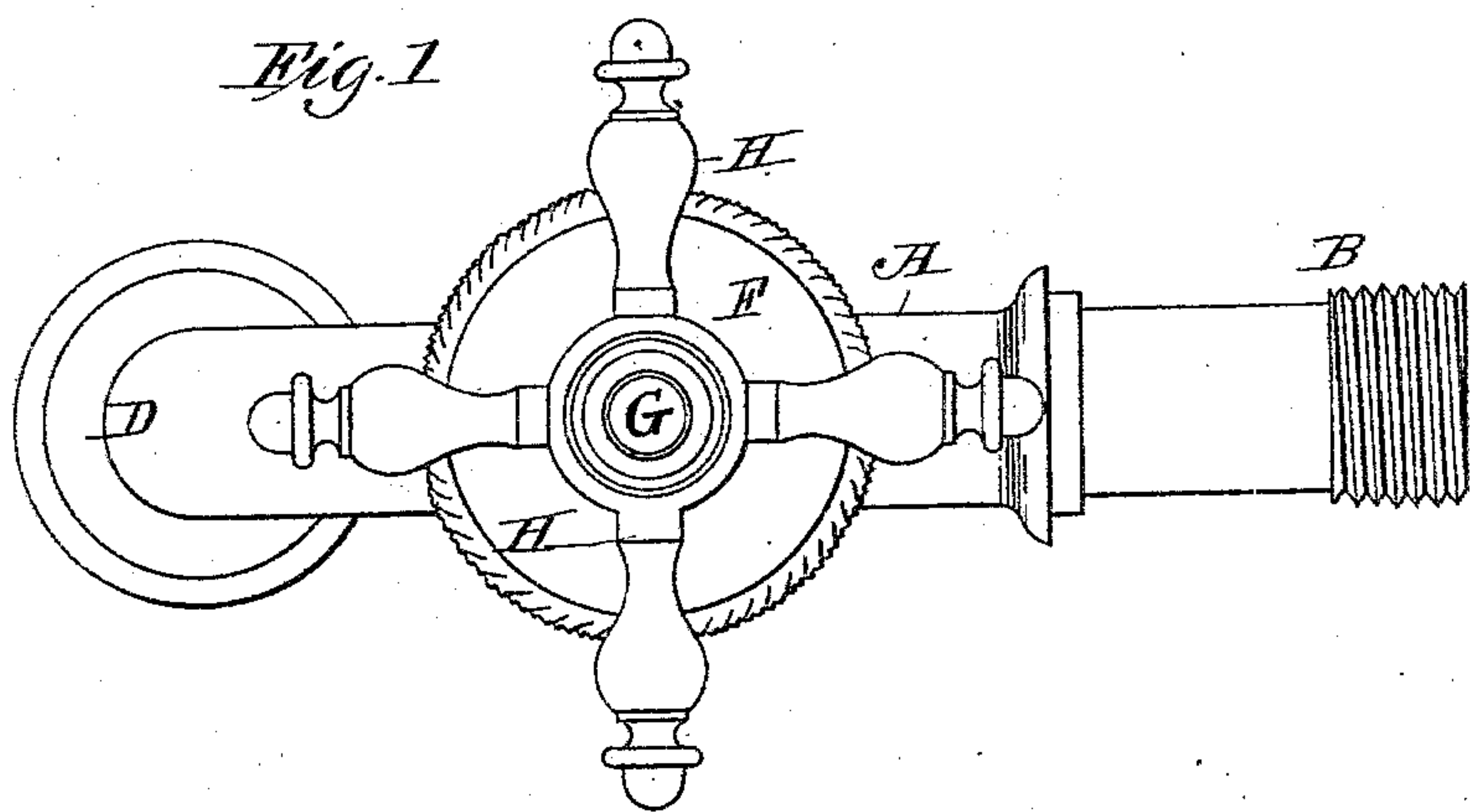


(No Model.)

C. C. REED.
COMPRESSION COCK.

No. 283,660.

Patented Aug. 21, 1883.



Witnesses; 2
K
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Walter B. Nowree.

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UNITED STATES PATENT OFFICE.

CHARLES C. REED, OF WORCESTER, MASSACHUSETTS.

COMPRESSION-COCK.

SPECIFICATION forming part of Letters Patent No. 283,660, dated August 21, 1883.

Application filed December 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES C. REED, of Worcester, in the county of Worcester and State of Massachusetts, have invented certain
5 new and useful Improvements in Bib and similar Compression-Cocks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a
10 part of this specification, and in which—

Figure 1 represents a top or plan view of a compression bib-cock embracing my improvements, hereinafter described. Fig. 2 represents a central vertical section through the
15 cock shown in Fig. 1, with the exception of the handle and upper end of the piston, which are shown in elevation; and Figs. 3 and 4 represent a side view and plan view, respectively, of the adjustable seat to my aforesaid
20 improved bib-cock, which will also be hereinafter more fully described.

To enable those skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it more in detail.
25 tail.

In the drawings, A represents the body of the cock, which is provided with the threaded end B, for fastening the cock to the supply-pipe, and with the threaded end C upon the
30 nozzle D, for screwing on a strainer. (Not shown in the drawings.) Upon the upper end, E, of the cock is formed the usual thread for screwing on the cap F. The piston G is provided with an ordinary turning handle, H, screw
35 part I, and packing J at the bottom, and is operated to shut off the water in the same manner as other compression bib-cocks.

I arrange an adjustable valve-seat, K, in a socket, L, formed in the body of the cock,
40 which is prevented from turning in said socket by means of a locking-pin, a, which is inserted in an opening, b, one half of which is cut out in the cylinder part K' of said seat, as shown in Figs. 2, 3, and 4, and the other half in the
45 necking E of the cock, as shown in Fig. 2.

The chamber M in the cap F may be filled

with lamp-wicking, cotton waste, or similar packing material, N, around the piston G, and a leather or other packing, c, is also used below said packing, thereby effectually preventing any leakage around said piston.

The valve-seat K is provided with lateral openings d d, and with an opening, e, at the bottom for the water to pass through when the gate O of the piston is raised by turning
55 handle H.

In the drawings the valve of the cock is represented as being closed, with the gate O resting on the bottom K² of the adjustable
60 valve-seat K.

It will be seen that by the use of an adjustable valve-seat, as described, only said part, and possibly the piston and other parts thereof, require renewal after long usage, whereas by the use of the ordinary compression-cocks
65 without my improvements the whole body of the cock has to be renewed, owing to the threaded part and seat being formed directly upon the same, thus necessitating considerable unnecessary expense.

Although my invention is more especially
70 designed for compression bib-cocks, it may be applied to other similar kinds of compression-cocks with equally as good results, and I therefore do not limit its application to bib-cocks.

Having described my improvements in compression bib-cocks, what I claim therein as new and of my invention, and desire to secure by Letters Patent, is—
80

In a compression-cock having body A and necking E, the combination of piston G, having the screw part I and gate O, with the cap F, provided with a chamber, M, packing material N, packing c, locking-pin a, and combined valve-seat and cylinder part K K' K²,
85 provided with openings d d e, substantially as and for the purposes set forth.

CHARLES C. REED.

Witnesses:

ALBERT A. BARKER,
WALTER B. NOURSE.