

E. Ripley.

Faucet.

N^o 12,830.

Patented May 8, 1855.

Fig: 1.

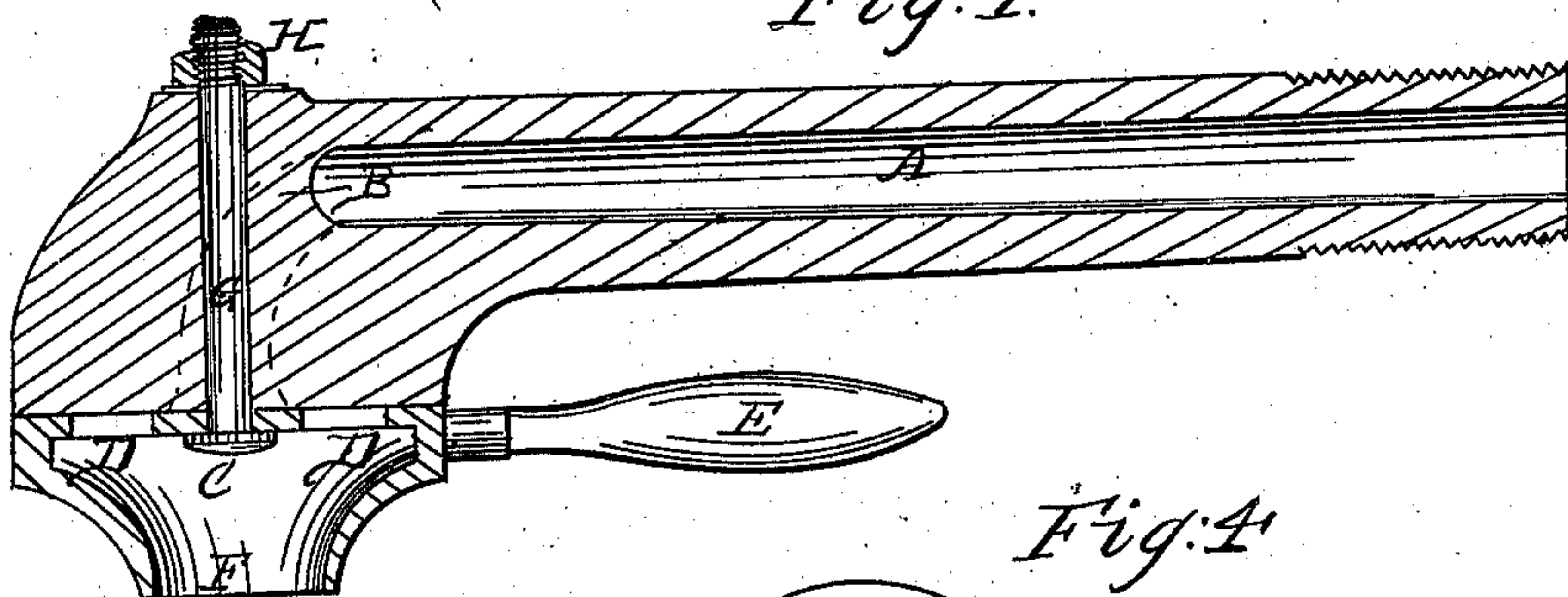


Fig: 4.

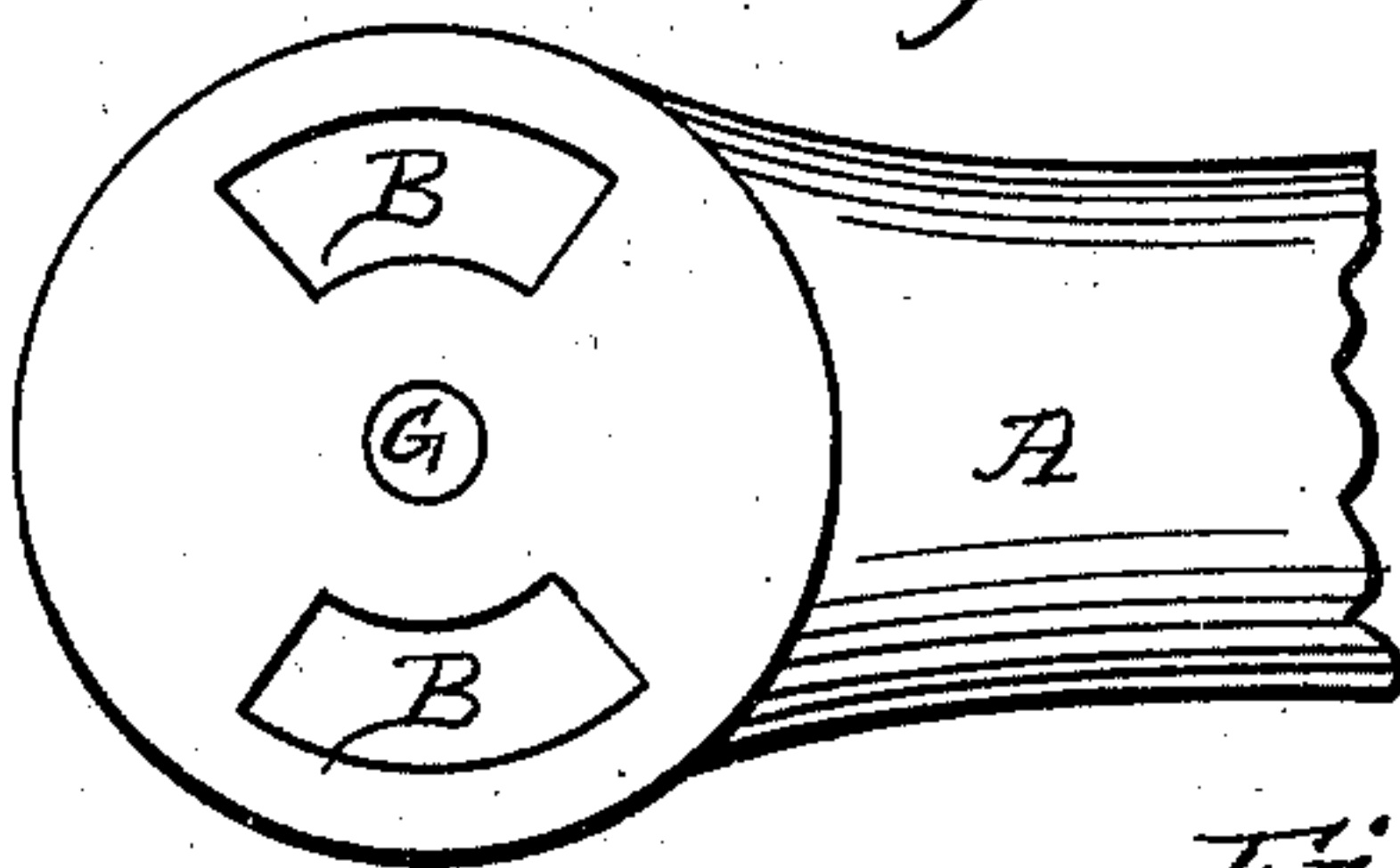


Fig: 2.

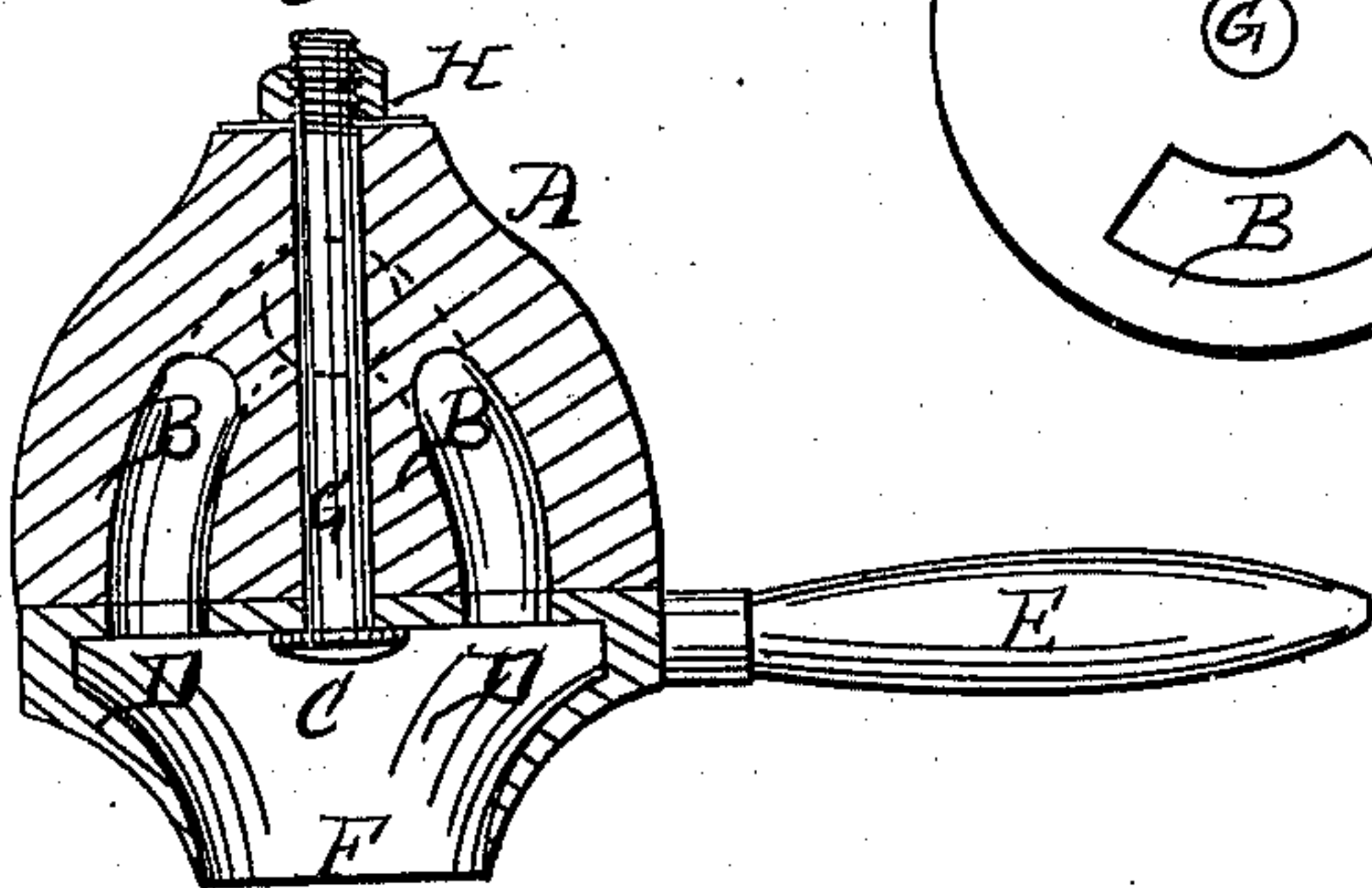
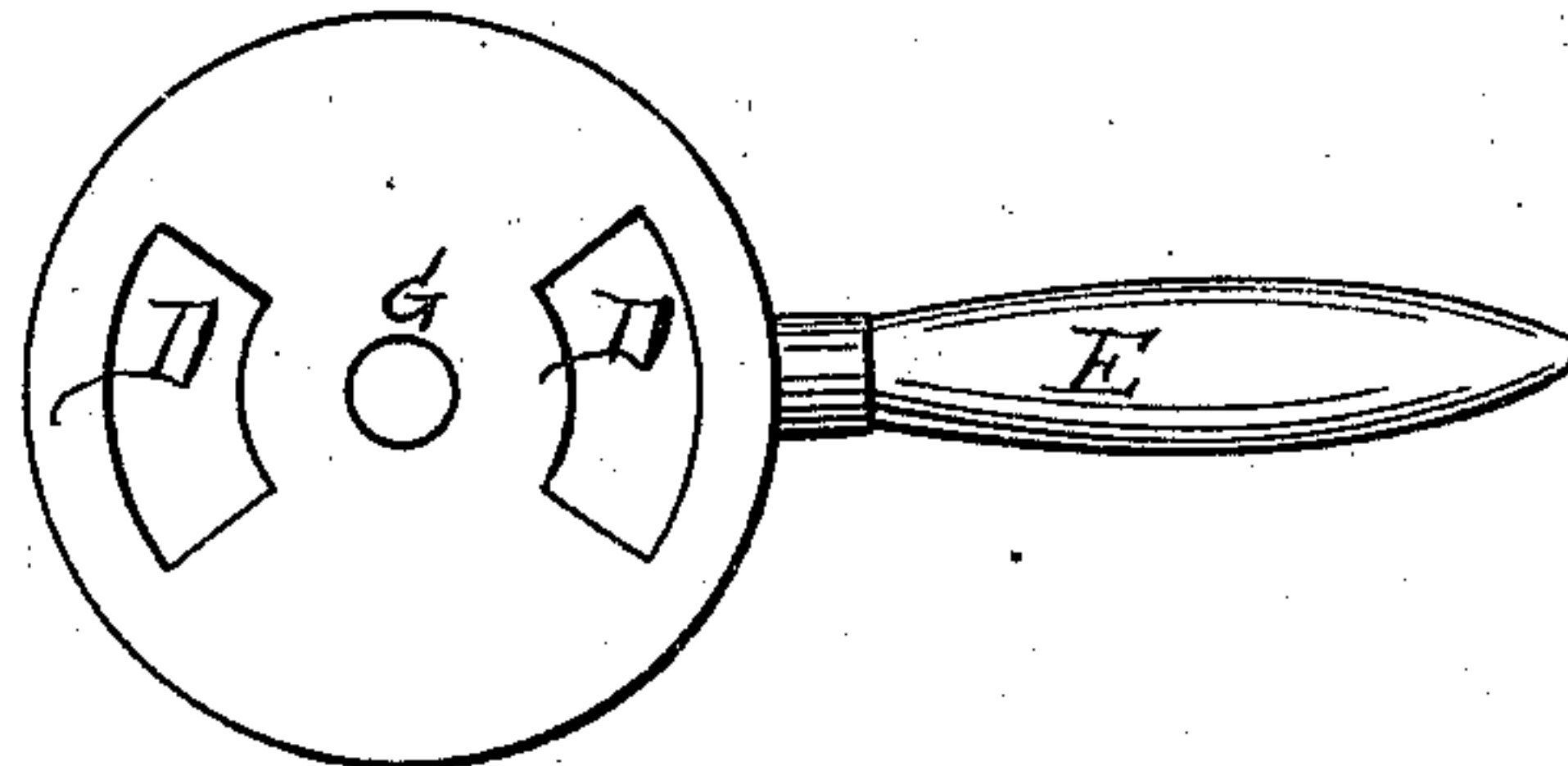


Fig: 3.



UNITED STATES PATENT OFFICE.

EZRA RIPLEY, OF TROY, NEW YORK.

BALANCE-GATE FAUCET.

Specification of Letters Patent No. 12,830, dated May 8, 1855.

To all whom it may concern:

Be it known that I, EZRA RIPLEY, of Troy, in the county of Rensselaer and State of New York, have invented certain new and
5 useful Improvements in Constructing Faucets; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a longitudinal section of faucet. Fig. 2 is a section through the discharge orifices or gates. Fig. 3, is a plan of the cut off gate, and Fig. 4 is a plan
15 view of the duplicate discharge orifices or gates.

The same letters refer to like parts in each of the figures.

The nature of my invention and that
20 which distinguishes it from other improvements heretofore made in faucets consists in combining with a double or duplicate discharge gate a double or duplicate cut off gate, the two parts being so constructed and
25 combined that when the cut off gate is closed, there is an equal pressure of fluid on each side of the closing surfaces of the gate, thereby preventing all unequal pressure or strain on the surface of the cut off gate, and
30 tendency to leak from that cause and forming a "balance cut off gate."

The construction of my improved faucet, is as follows, viz:

A is the faucet tube.

B, B, are the duplicate discharge gates. 35

C is the cut off gate having duplicate discharge gates, D, D, and handle E. The double discharge gates terminate in a single one F at the bottom of the gate.

The faces of the faucet head, and of the
40 cut off gate are fitted fluid tight by facing them up in a lathe, or grinding them smooth, or by interposing some suitable packing for that purpose.

G is a bolt for securing the cut off gate to
45 the faucet head, and has a nut H by which the cut off gate is held and adjusted.

Having described my invention what I claim as new, and desire to secure by Letters
50 Patent, is:

The combination of the duplicate discharge gates of the faucet tube constructed as herein described with the duplicate discharge cut off gates. The two parts being
55 combined in the manner as herein shown, for the purpose of forming a balance discharge and cut off gate, for faucets, or fluid gates.

EZRA RIPLEY.

Witnesses:

A. A. LEE,
J. J. SAVAGE.