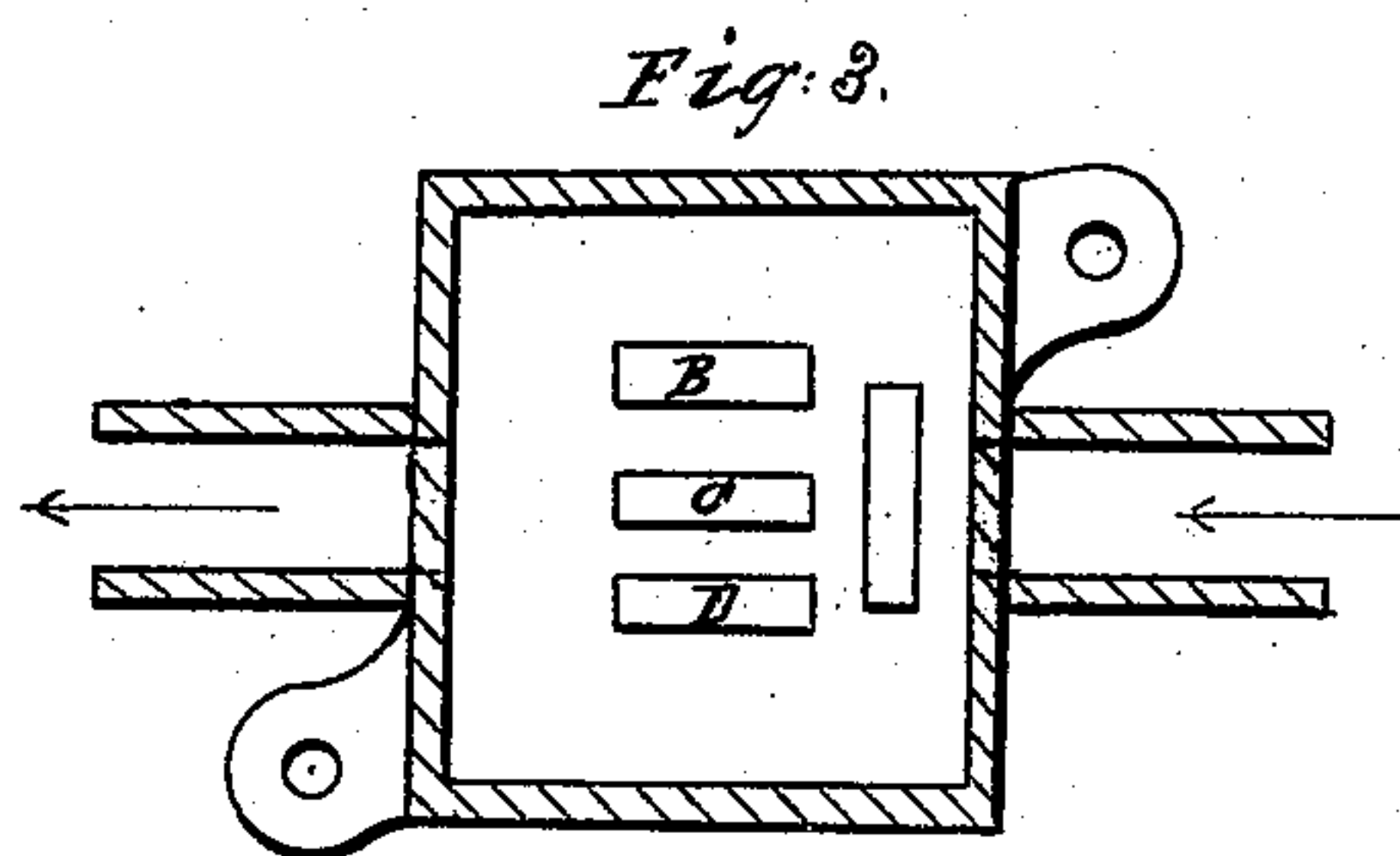
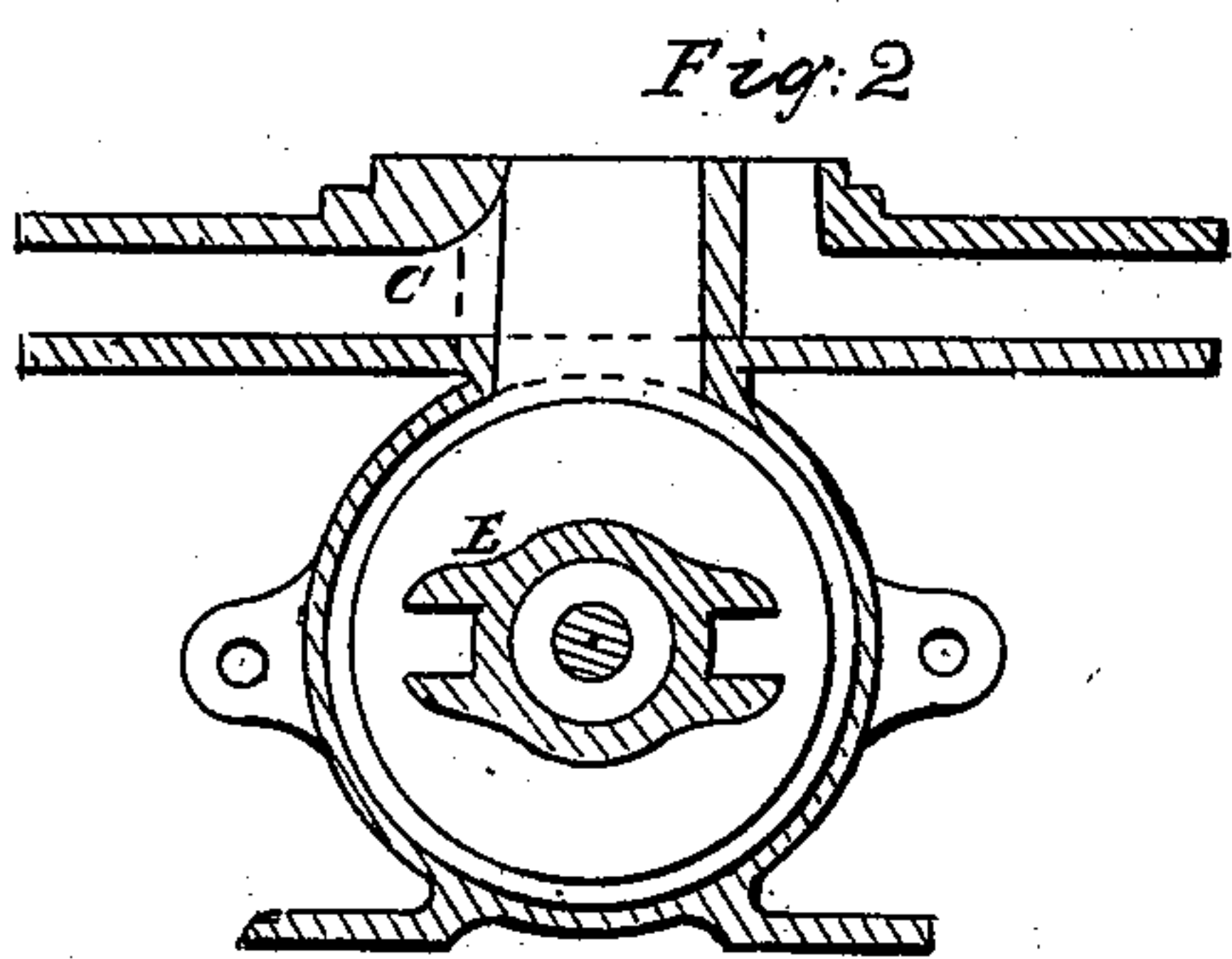
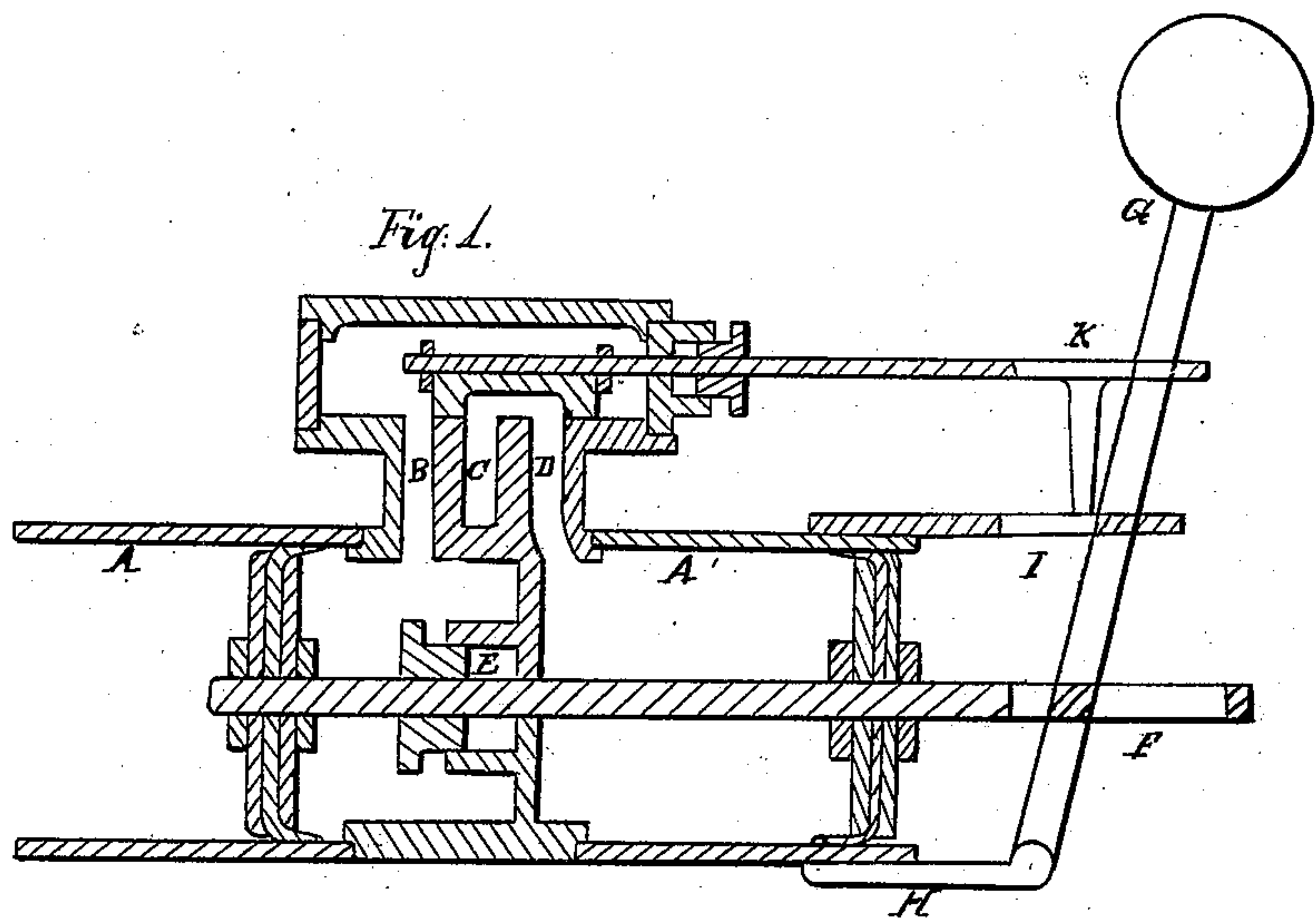


A. I. Sweeney,
Piston Meter,
Nº 14,525, Patented Mar. 25, 1856.



UNITED STATES PATENT OFFICE.

A. I. SWEENEY, OF WHEELING, VIRGINIA.

WATER-METER.

Specification of Letters Patent No. 14,525, dated March 25, 1856.

To all whom it may concern:

Be it known that I, ANDREW I. SWEENEY, of Wheeling, in the county of Ohio and State of Virginia, have invented a new and
5 useful Machine for Measuring Water and other Fluid; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation
10 of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a longitudinal section. Fig. 2 is a transverse section at the center; Fig. 3 a ground plan of the seat.

15 Two similar cylinders A A' of any capacity are held together by bolts through lugs or flanges on each, having interposed between them, a cylindrical piece, which contains within itself induction and education ports B, C, and D, and a diaphragm
20 separating the contents of the two cylinders, and upon which is a stuffing box E, for packing around a piston rod. The rod passes through both cylinders and the center head; and has upon it, secured by nuts
25 or otherwise, within each cylinder a piston, which may be constructed in any ordinary way; in the model of drawing they are made by the insertion of disks of leather between
30 plain flanges, said disks being cut too large, so as to bend inward around the inside of the cylinders, making a very close packing.

The piston rod has on one end a slot or link F, to change the position of the weighted lever G which is hinged on an arm H at- 35
tached to the lower side of one of the cylinders and plays in a slotted piece I, attached to the upper side of the same cylinder, forming a rest for the lever at either end
40 when it falls either way, after being pulled or pushed to a vertical position by the slot F, on the piston rod. The lever in its fall strikes on either end (as the case may be)
45 of another slot on the end of the valve rod K and opens and closes the ports B, and D, allowing the cylinders to fill and discharge alternately.

A register may be attached in any ordinary way to show the number of strokes of the machine, and consequently the quantity 50
of fluid or water which has passed through.

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

The combination of two cylinders and two pistons with one head, common to both, 55
having the ports thereto attached as herein described forming a cheap and effective meter, with but little liability to get out of order.

A. I. SWEENEY.

Witnesses:

Z. KIDWELL,
T. SWEENEY.