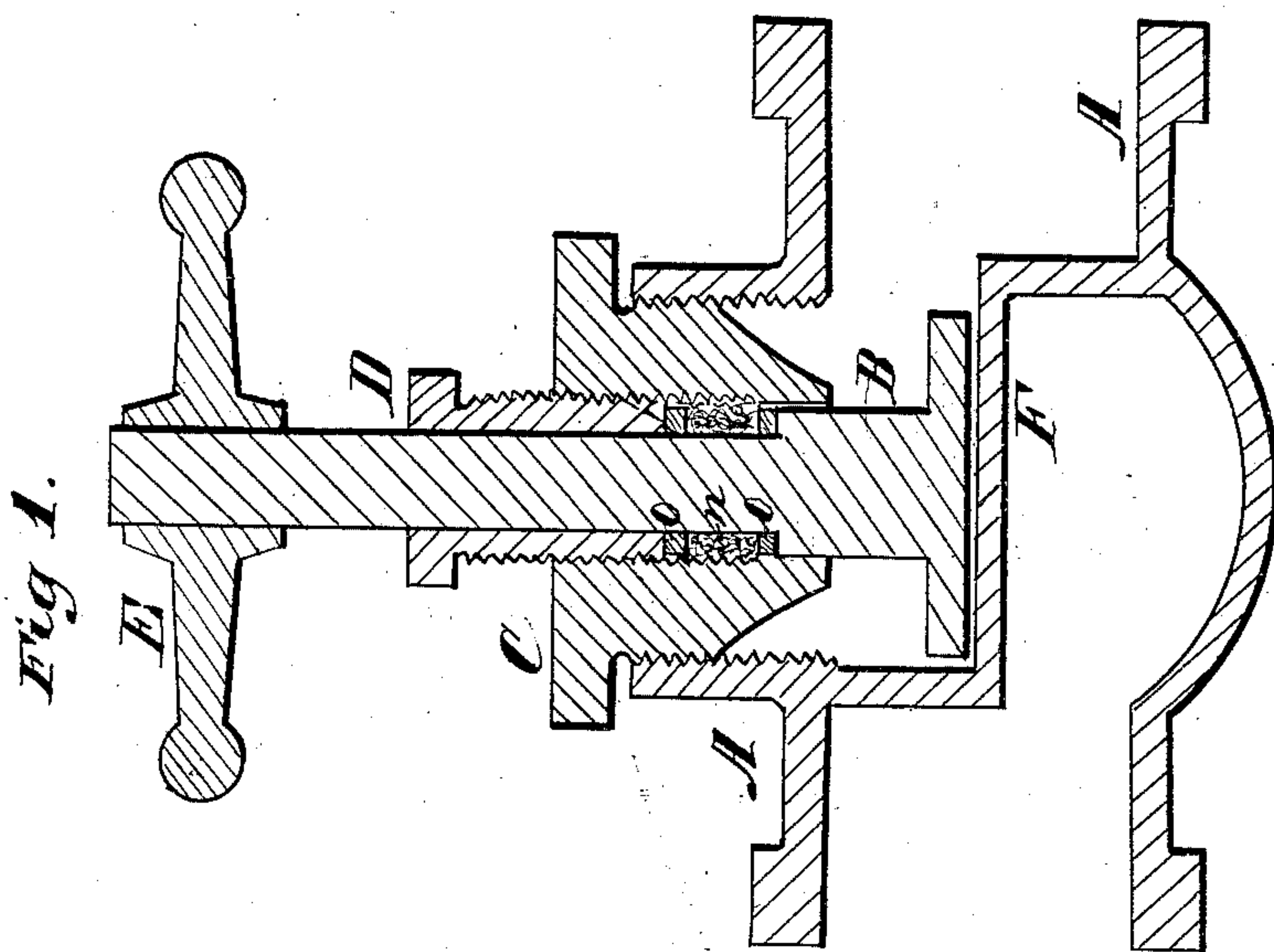
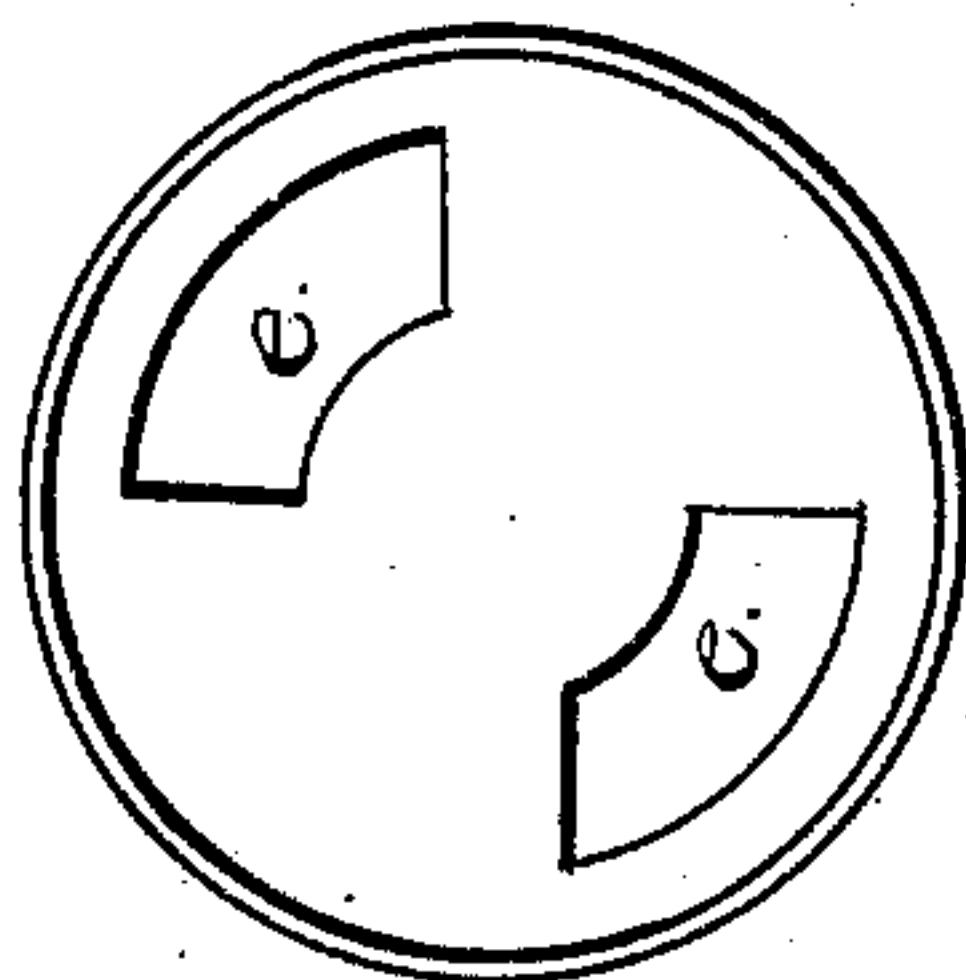


J. O. Altick,
Globe Valve,
No 58,042, Patented Sept. 18, 1866.



witnesses:
Thos. Q. Mitchell,
Wm. Mitchell.

Fig. 2.



Inventor:
James O. Altick

UNITED STATES PATENT OFFICE.

JAMES O. ALTICK, OF DAYTON, OHIO.

IMPROVEMENT IN GLOBE STEAM-VALVES.

Specification forming part of Letters Patent No. 58,042, dated September 18, 1866.

To all whom it may concern:

Be it known that I, JAMES O. ALTICK, of Dayton, in the county of Montgomery, in the State of Ohio, have invented a new and Improved Globe-Valve; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in constructing a globe-valve by working the valve in contact with the seat, and the mode of packing the valve-stem to make it steam-tight, and to hold the valve against its seat.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 represents a longitudinal section of the globe-valve. Fig. 2 represents both the surfaces of the valve and seat.

A represents the body, and C a nut screwed into it, having a packing to make it tight at the shoulder; B, valve bearing against the part F for its seat, the two surfaces being identical in form, and when the valve is fully opened the orifices *e e* of the valve and seat

correspond in position, and is closed by rotating the valve until the orifices shall correspond with the faces of each other. The large part of the valve-stem below the shoulder extends into the nut C, and the less part is surrounded by the packing-nut D.

Two washers, *o o*, are used, the packing being placed between them, and as the packing *n* is being compressed to fill the space the downward action against the shoulder keeps the valve firmly against its seat. To the upper end of the valve-stem is attached the wheel E, by which the valve is moved.

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

The arrangement of the shouldered valve-stem of the valve B with reference to the packing-nut D, nut C, and valve-seat F, for the double purpose of packing the stem and holding the valve against its seat, in the manner substantially as described.

JAMES O. ALTICK.

Witnesses:

THOS. D. MITCHELL,
WM. MITCHELL.