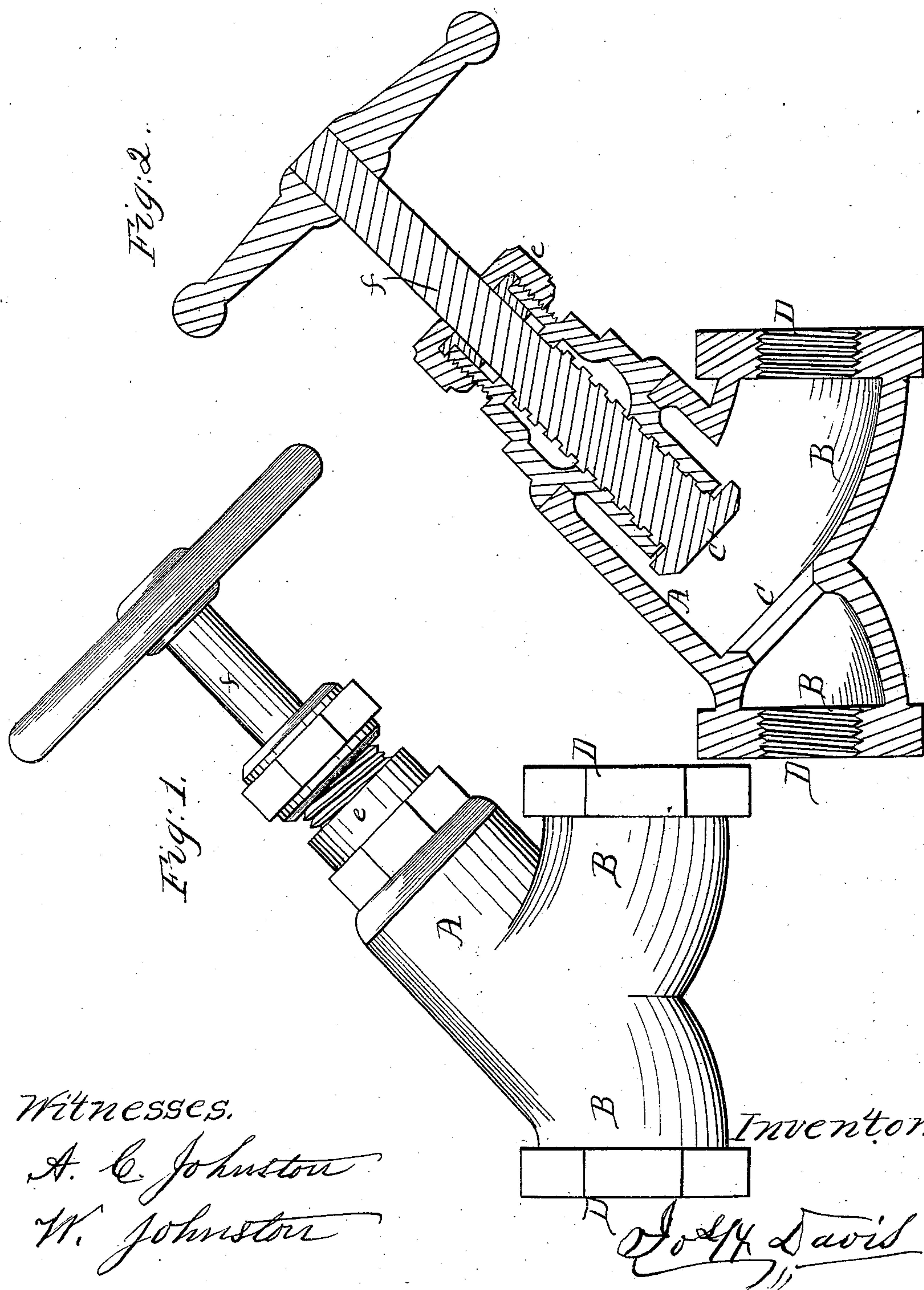


*J. H. Davis,*  
*Globe Valve,*  
*No. 85,288,      Patented Dec. 29, 1868.*



*Witnesses.*

*A. C. Johnston*  
*W. Johnston*

*Inventor.*

*J. H. Davis*

# United States Patent Office.

JOSEPH H. DAVIS, OF ALLEGHENY, PENNSYLVANIA.

*Letters Patent No. 85,288, dated December 29, 1868.*

## IMPROVEMENT IN STOP-VALVES FOR STEAM AND OTHER ENGINERY

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, JOSEPH H. DAVIS, of the city and county of Allegheny, and State of Pennsylvania, have invented a new and useful Improvement in "Valve-Cocks" for Steam and other Engineery; and I do hereby declare that the following is a full, clear, 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 such a construction and combination of the valve-chamber of a valve-cock, with a coupling-pipe, that the bore of said pipe and chamber shall be the same under all sizes of construction.

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

In the accompanying drawings, which form part of my specification—

Figure 1 is a side elevation of my improvement in "valve-cocks."

Figure 2 is a vertical section of the same.

In the drawings—

A represents the valve-chamber.

B represents the coupling-pipe.

C represents the valve-seat.

C' represents the valve, and

f, the valve-stem.

e represents the ordinary brass mountings of a valve-cock.

D represents the openings of the coupling-pipe.

In the construction of the ordinary and well-known

form of "valve-cock," it is necessary, under all sizes of construction, to make the valve-chamber larger than the bore of the coupling-pipe, so that the diameter of the opening in the valve-seat may be of the same diameter as the diameter of the bore of the coupling-pipe.

To simplify the construction of "valve-cocks," the valves have been made elliptical in form, and the valves have also been set at different angles with relation to the plane of the bore of the coupling-pipe; but in every case the size of the valve-chamber has to be increased when the size of the "valve-cock" and coupling-pipe is varied. I overcome this difficulty by making a slight bend, or curvature, in the coupling-pipe, clearly shown in the accompanying drawings, thereby simplifying the construction of valve-cocks in point of labor and cost, and also obtaining the very desirable and very apparent advantage of having the valve-chamber and coupling-pipe of the same diameter.

Having thus described the nature, construction, and operation of my improvement,

What I claim as of my invention, is—

The construction and combination of the valve-chamber of a "valve-cock" with a coupling-pipe, whereby the bore of said pipe, chamber, and opening in the valve-seat shall, under all sizes of construction, be the same, substantially as herein described.

JOS. H. DAVIS.

Witnesses:

A. C. JOHNSTON,

JAMES J. JOHNSTON.