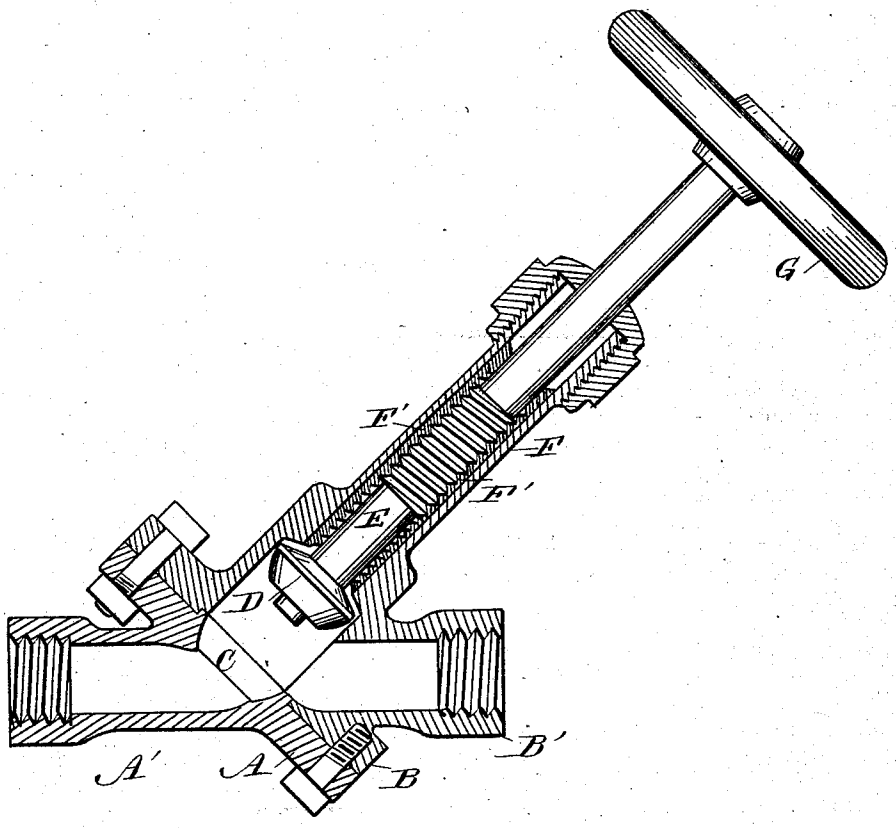
(No Model.)

H. J. H. BROOKS.

VALVE COCK.

No. 315,234. Patented Apr. 7, 1885.



WITNESSES:

C. Neveux

C. Sedgwick

INVENTOR:

H. J. H. Brooks

BY Munn & Co

ATTORNEYS.

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

HENRY J. H. BROOKS, OF BLOOMFIELD, NEW JERSEY, ASSIGNOR TO HIMSELF AND CHARLES D. M. PEELE, OF SAME PLACE.

VALVE-COCK.

SPECIFICATION forming part of Letters Patent No. 315,234, dated April 7, 1885.

Application filed May 8, 1884. (No model.)

To all whom it may concern:

Be it known that I, HENRY J. H. BROOKS, of Bloomfield, Essex county, New Jersey, have invented a new and Improved Valve-Cock, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved valve-cock of simple construction, in which the globe is dispensed with, and which is so constructed that the flow of the steam, water, &c., is not interrupted by projections, &c.

The invention consists in the construction and arrangement of parts, as will be hereinafter fully described and claimed.

Reference is to be had to the accompanying drawing, forming part of this specification, in which a longitudinal sectional elevation of my improved valve-cock is shown.

Two disks, A and B, are each provided with an oblique tubular neck, A′ and B′, respectively, which necks are screw-threaded at the outer ends, and adapted to be coupled to pipes, &c. The disk A is provided with a central aperture, C, having beveled edges, and forming a seat for a valve, D, held on a screw-threaded stem, E, held in a tubular projection or neck, F. The valve-stem E is provided at the end with the usual hand-wheel, G. The neck F is at right angles to the disk B, on which it is formed, and naturally will be oblique to the pipes connected with the valve-casing, as the necks A′ B′ form a continuous straight passage when the disks A B are united. The disks are clamped firmly together by means of screw bolts and nuts.

The valve-cock is simple in construction, it does not obstruct the passage of the water, steam, &c., and it is not apt to get out of order.

I cast a sleeve, F′, of block-tin in the neck F, and cut the thread in the said block-tin so that it will fit closely on the thread of the stem. If the thread in the neck wears out, it can easily be replaced by another by removing the block-tin core. The edge of the valve and the edge of the seat are slightly curved, as shown, so as to cause them to fit better and form a closer joint.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A valve-cock consisting in the disk A, formed with aperture C and the oblique neck A′, the disk B, formed with the oblique neck B′ and the neck F, the block-tin sleeve F′, cast in the neck F and screw-threaded internally, screw-threaded valve-stem E, provided with the valve D, and an operating-handle, substantially as set forth.

HENRY J. H. BROOKS.

Witnesses:
A. J. GUSTIN,
C. D. M. PEELE.