

G. E. Whitmore,

Stop Cock.

No 59,752.

Patented Nov. 20, 1866



Fig. 4.

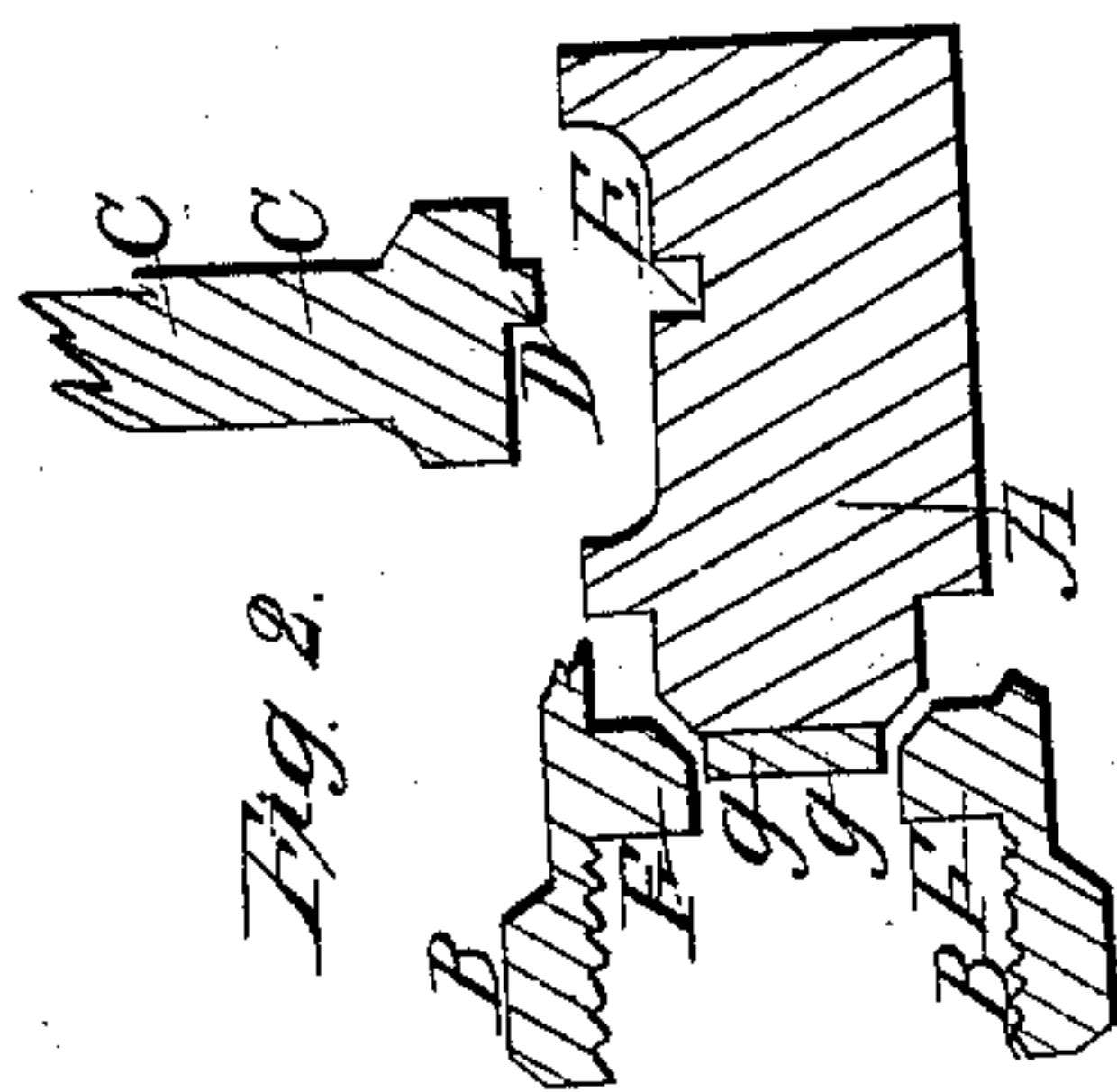


Fig. 2.

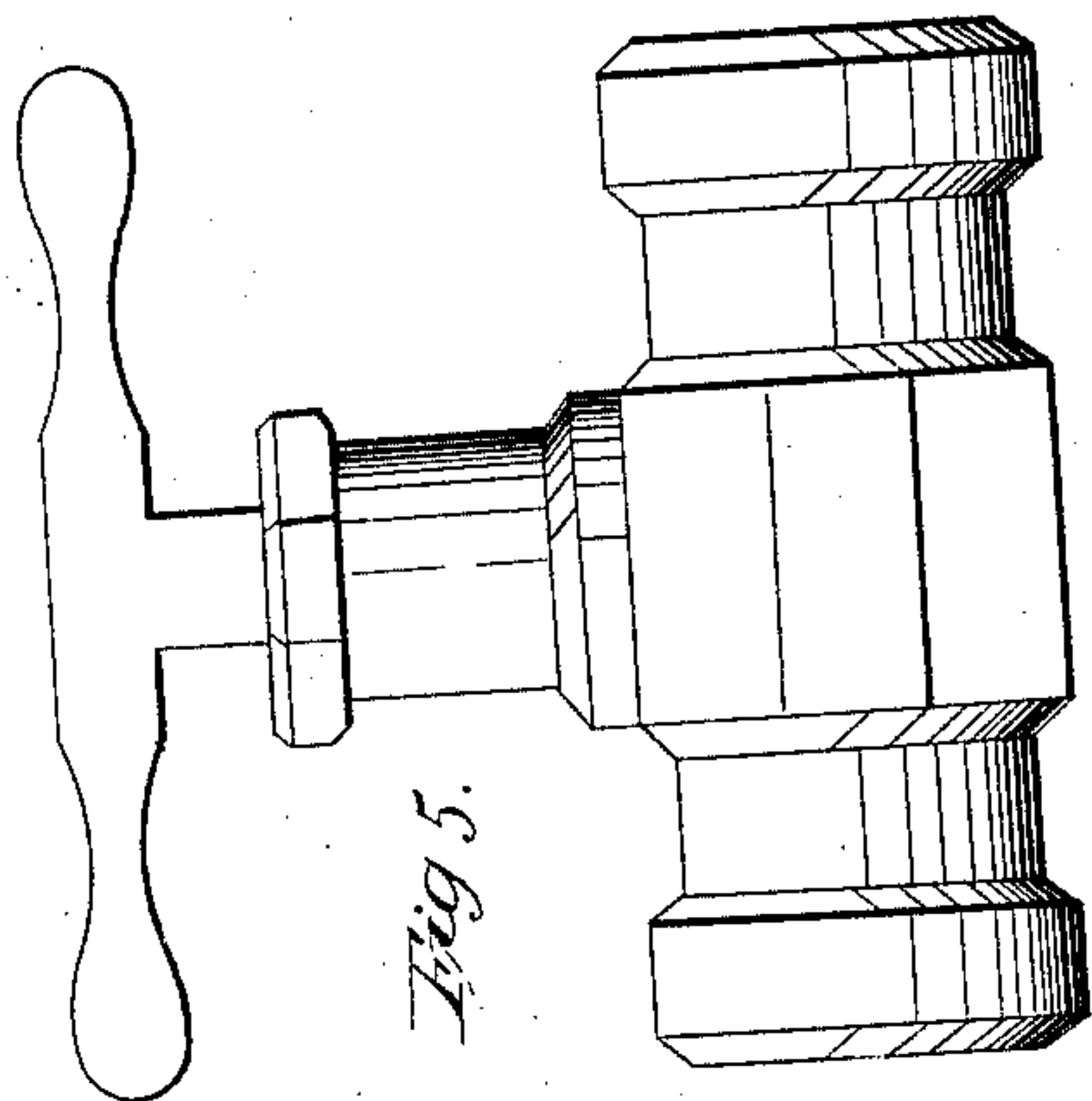


Fig. 5.

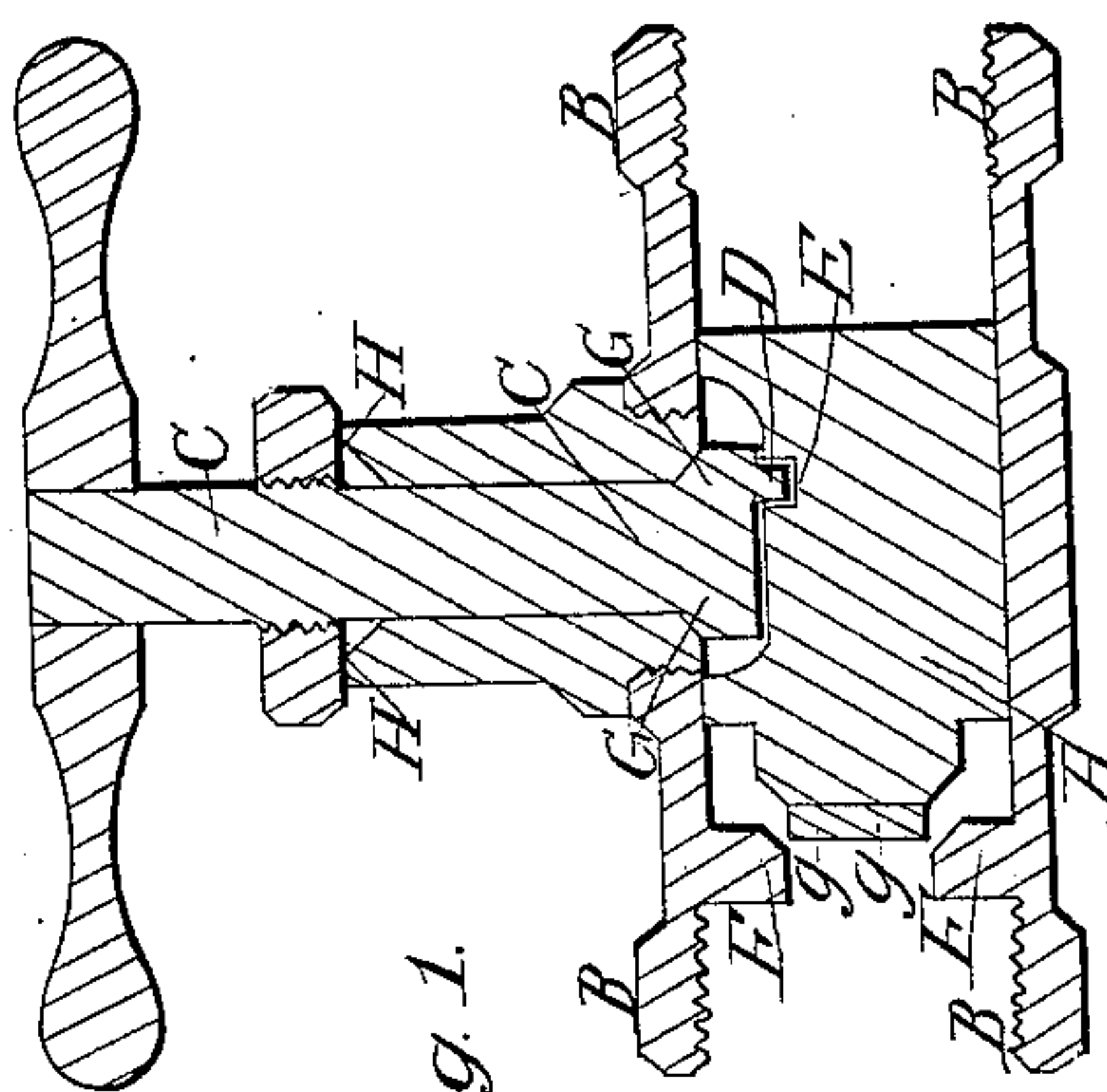


Fig. 1.

Witnesses.
A. Whitmore
C. Brooks

Inventor.
Geo E. Whitmore.

United States Patent Office.

STOP VALVES FOR STEAM PIPES.

GEORGE E. WHITMORE, OF HOUSATONIC, MASSACHUSETTS, ASSIGNOR TO
SELF AND E. S. PIXLEY, OF SAME PLACE.

Letters Patent No. 59,752, dated November 20, 1866.

SPECIFICATION.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE E. WHITMORE, of Housatonic, in the county of Berkshire, and State of Massachusetts, have invented a new and improved steam cock, and I do hereby declare the following to be a full and exact description thereof—reference being had to the accompanying drawings and to letters and figures marked thereon:

The nature of my invention is an improved steam cock, which is cheap, durable, and effective, and removes some of the objections to steam cocks now in use.

Fig. 1 represents a half section of the steam cock cut lengthwise, in which the sliding valve A is shown in the barrel of the cock B B B B, showing the valve stem C C and the crank pin D, which, when turned in the slot E of the valve A, forces the valve A up against and into the valve seat F F, thus closing the orifice through which the steam passes.

C C is the valve stem.

G G is the ground joint at inside end of valve stem C C.

H H is a lead ring or its equivalent at outside end of valve stem C C, which forms a durable and efficient packing for valve stem C C, to prevent leakage of steam.

I I is a choke plug, which is cast on or otherwise secured to the valve A, which passes into the orifice through which the steam passes in valve seat F F, choking the steam back when but little is required, so that the cutting of steam when passing is on the choke plug I I, and not on the valve A or valve seat F F.

Fig. 2 represents the inside end of valve stem C C and crank pin D, where it connects with valve A.

Fig. 3 is a side view of the sliding valve A, showing the slot E in which the crank pin D moves in opening and closing valve A.

Fig. 4 is an end view of the sliding valve A, showing the flanges which hold it in place in the barrel B B B B, and allow free passage of steam when open.

Fig. 5 represents the cock in its finished state.

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

The eccentric pin in combination with the valve stem for forcing the valve A against and into the valve seat F F. I also claim the choke plug I I, which prevents the valve A and valve seat F F from being worn by the action of the steam in passing between the valve A and valve seat F F. I also claim the arrangement of the ground joint G G at the inside end of valve stem C C and lead ring H H or equivalent at outside end of valve stem C C, which forms a double packing.

And the combination of all these parts in the manner and for the purpose specified.

GEO. E. WHITMORE.

Witnesses:

A. D. WHITMORE,
A. BROOKS.