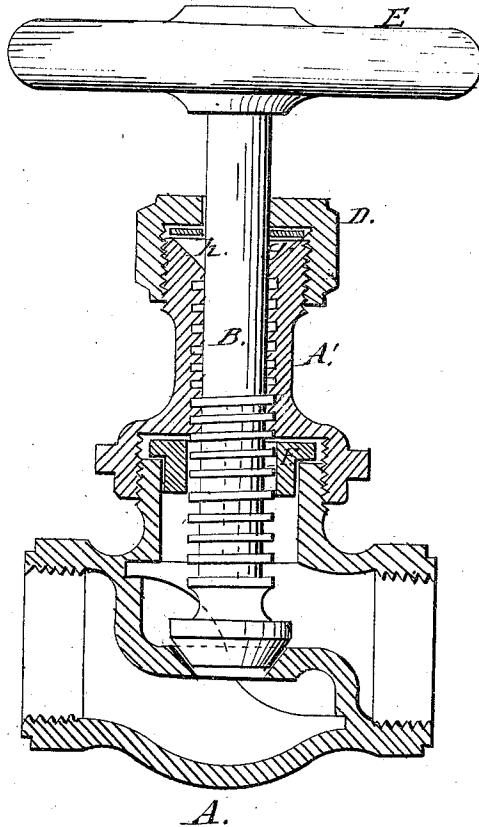


H. H. Hendrick.

Globe Valve.

N^o 86,749.

Patented Feb 9, 1869.



Witnesses:
Wm. A. Morgan
P. Chr. Dieterich

Inventor:
H. H. Hendrick
per *Munn & Co*
Attorneys.

United States Patent Office.



H. H. HENDRICK, OF DAYTON, OHIO.

Letters Patent No. 86,749, dated February 9, 1869.

IMPROVED GLOBE-VALVE.

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, H. H. HENDRICK, of Dayton, in the county of Montgomery, and State of Ohio, have invented a new and useful Improvement in Globe-Valves; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and useful improvement in globe-valves, whereby they are made more useful and durable than they have hitherto been; and

It consists in providing the valve with a loose independent guide for the stem, whereby the stem is held to its place while the valve is being reground.

The drawing represents a longitudinal section of the shell, with the valve and stem therein, and with the stem-guide in place.

A A' is the shell, formed of two parts, which screw together, the part A' forming the nut for the screw on the stem.

B is the stem;

C is the valve;

D is the cap;

E is the hand-wheel; and

F is the independent stem-guide.

As seen in the drawing, this guide is placed between

the two parts of the shell, where it is confined by the flange around its upper side, as seen in the drawing.

When the valve C is turned on its seat for grinding, it will be seen that the upper portion of the shell A' must be removed from the lower part A, on account of the screw.

In this case, the valve-stem is held in a position perpendicular with its line of rotation, so that, in grinding, the seat and face of the valve may be accurately fitted together.

g represents a loose ring, or washer, under the cap D, for bearing upon the packing, h, around the stem.

By this arrangement, the difficulty heretofore experienced in grinding globe-valves is avoided.

This stem-guide may be used to good advantage in all valves of similar construction, whether denominated "globe-valves," or not.

I claim as new, and desire to secure by Letters Patent—

In combination with a globe-valve, or other valves of similar construction, the loose guide F, substantially as herein shown and described.

H. H. HENDRICK.

Witnesses:

JAMES C. YOUNG,

THOS. D. MITCHELL.