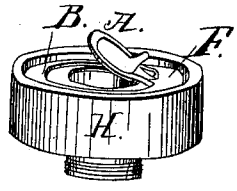
H. G. Cady,

Pump Valve,

No. 69,763, Patented Oct. 15, 1867.



Witnesses:

W. M. Reed

A. G. Wolcott

Inventor:

H. G. Cady

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

HENRY G. CADY, OF ST. LOUIS, MISSOURI.

Letters Patent No. 69,763, *dated October* 15, 1867.

IMPROVEMENT IN PUMP-VALVES.

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, HENRY G. CADY, of the city and county of St Louis, and State of Missouri, have invented certain new and useful Improvements in Valve-Seats; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, as forming a part of this specification.

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

In the annexed drawing, H represents a metal cylinder which is provided with a shoulder on the inside and top to receive the valve and valve-seat. Said valve and valve-seat may be made of either leather or rubber. I take a suitable piece of either of the aforesaid materials, and so shape it as to fit tight in the cylinder and against the shoulder of the same. It is particularly desirable that it should fit so tightly in and around the inner circumference of cylinder H as to effectually prevent water from escaping between it and the cylinder. The edge of this valve-seat B should also project over the shoulder, so as to render it pliable and elastic to the valve above. I now take a second piece of rubber or leather, and likewise shape it to fit in the cylinder H and on top of valve-seat B. In the centre of this piece of leather or rubber I cut a ring, leaving, however, the inside portion suspended or connected by a narrow strip to the main piece. This inside piece, represented by F, should fit accurately over the valve-seat, as shown in the drawing. A represents a weight, which is attached to the flexible ring by means of a screw passing up through its centre.

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

A valve, constructed of the cylinder H, bevelled packing or seat B, flexible ring F, with its weighted tongue A, all arranged substantially as shown and described.

H. G. CADY.

Witnesses:

WM. M. ECCLES,

A. S. OVERHOLT.