E. THAYER

STOP VALVE.

No. 261,065. Patented July 11, 1882.

Fig. 1.

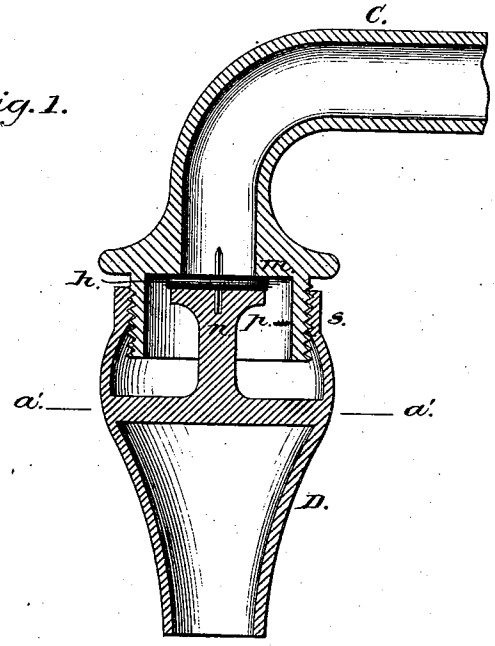
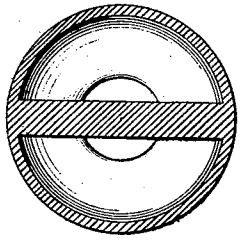


Fig. 2.



Witnesses:

W. R. Greene

W. Dean Lewis

Inventor:

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UNITED STATES PATENT OFFICE.

ELI THAYER, OF WORCESTER, MASSACHUSETTS.

STOP-VALVE.

SPECIFICATION forming part of Letters Patent No. 261,065, dated July 11, 1882.

Application filed May 3, 1876. Renewed May 17, 1878. Again renewed February 20, 1880.

To all whom it may concern:

Be it known that I, ELI THAYER, of Worcester, in the State of Massachusetts, have invented a new and useful improvement in stop-valves for discharging or conducting fluids from reservoirs and for regulating or graduating the flow of the same; and I do hereby declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, forming a part of this specification.

Figure 1 represents a vertical section through its entire length of my improved stop-valve. Fig. 2 represents a transverse section of the part or section D through *a a'*—the foundation of the valve-chair *n*.

My invention consists in an improvement upon my invention patented February 20, 1872, whereby I prevent the possibility of the rebound or backward pressure of water or other fluid through the threads S, connecting the two sections D and C, Fig. 1. This result is accomplished, as shown in Fig. 1, by elevating the chair *n* of the valve *h* to or near to the upper extremity of section D and in raising the valve-seat *m* in section C the same distance, and especially in surrounding this valve-seat *m* and considerable space below it with the projection or band *p*, which is of sufficient internal diameter to allow ample water-way between its inner circumference and the valve *h*. By this construction the water receives a direction vertically downward while and after passing the valve *h* and before leaving section C, so that whatever pressure there may be in the supply-pipe to which C is attached there can be no backward pressure through the threads S, connecting the two sections C and D, since the lower extremity or outlet of D is considerably larger than the interior diameter of section C.

What I claim as my invention is—

The band or projection *p* around the valve-seat *m*, in combination with the movable globe or section D, carrying the valve *h*, substantially as set forth.

ELI THAYER.

Witnesses:

H. R. GREENE,

W. DEAN LEWIS.