

A. T. WALDRON.  
Combined Cocks and Check-Valves.

No. 138,963.

Patented May 13, 1873.

Fig. 2.

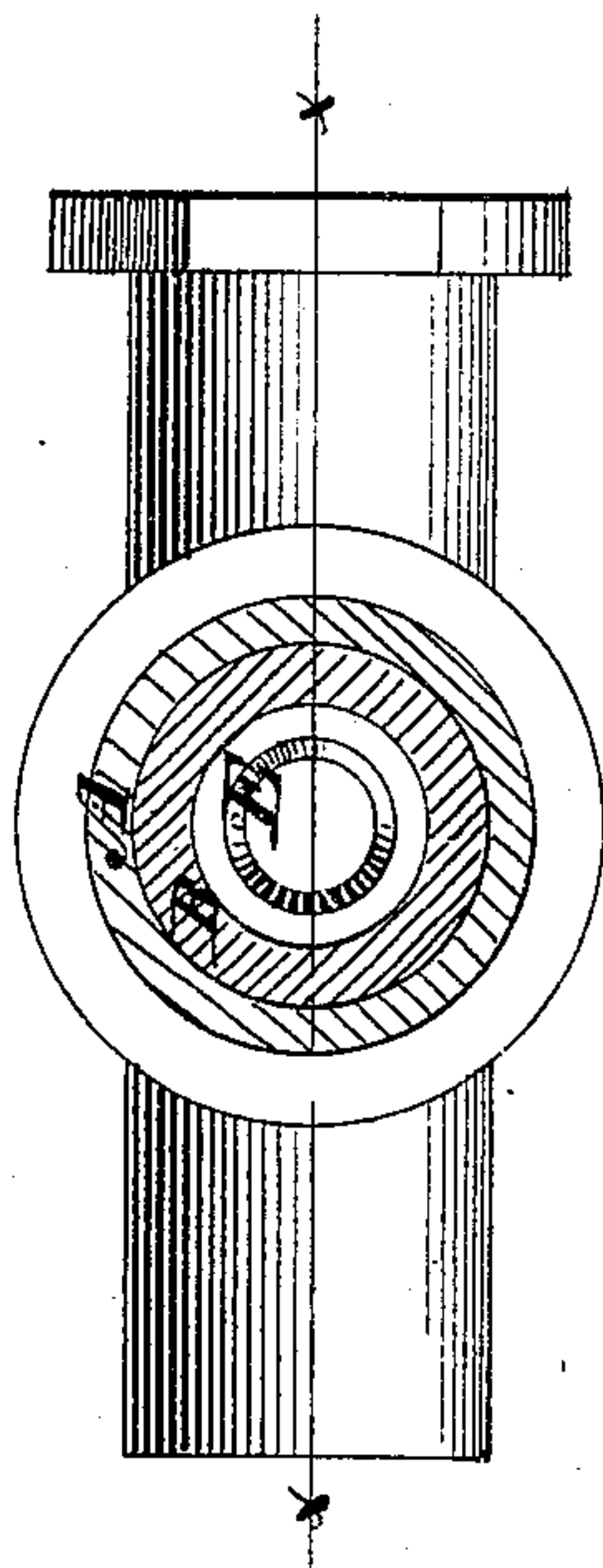
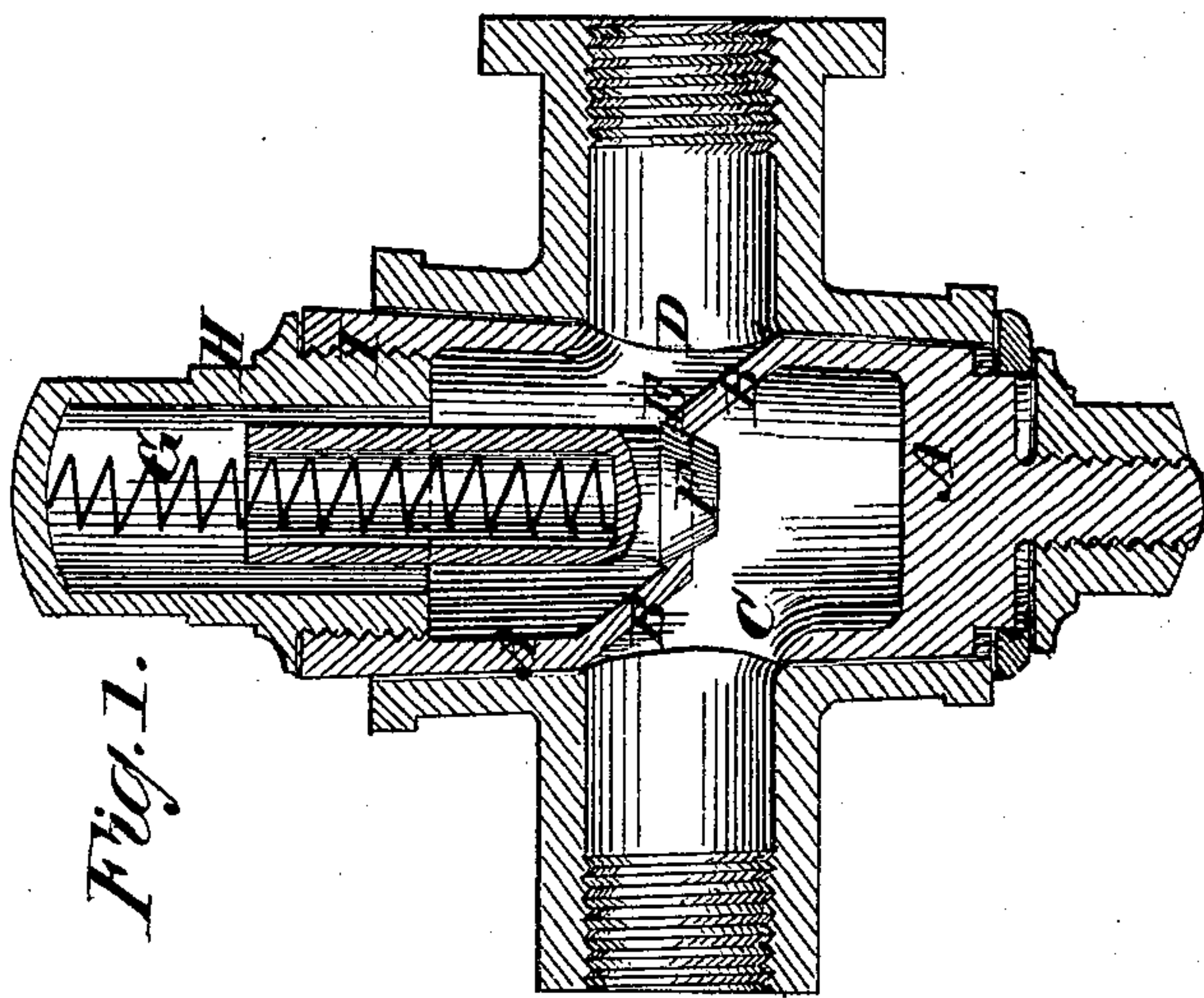


Fig. 1.



WITNESSES

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# UNITED STATES PATENT OFFICE.

ASA T. WALDRON, OF WATERFORD, NEW YORK.

## IMPROVEMENT IN COMBINED STOP-COCKS AND CHECK-VALVES.

Specification forming part of Letters Patent No. **138,963**, dated May 13, 1873; application filed January 25, 1873.

*To all whom it may concern:*

Be it known that I, ASA T. WALDRON, of Waterford, in the county of Saratoga and State of New York, have invented a new and Improved Combined Cock and Check-Valve, of which the following is a specification:

My invention consists of a combined stop-cock and check-valve, in which the water-way of the hollow cock is divided by a partition with a hole through it, and a valve-seat on the upper side, with a stem extending up into a hollow removable cap on the top of the cock, and having a coiled spring for closing it down on the seat, the partition being above the inlet-port, so that the check-valve prevents back flow. The construction is such that the check-valve can be readily taken out at any time by removing the cap on the top of the cock to clean out sand and other matters collecting in the plug.

Figure 1 is a longitudinal sectional elevation of my improved stop-cock and check-valve, taken on the line *x x* of Fig. 1, and Fig. 2 is a horizontal section.

Similar letters of reference indicate corresponding parts.

A is the plug, which is made hollow and open at the top, with a partition, B, dividing

the inlet-passage C from the outlet-passage D, in which partition is a water-passage and a valve-seat, E, whereon a valve, F, rests. The stem of this valve is made hollow to contain a coiled spring, G, for holding it down on the seat, and it extends up into a hollow cap, H, which screws into the top of the plug, as at I, and closes the opening at the top of the hollow plug, and keeps the valve in place by the spring bearing against its cap. The said cap in the top of the plug is necessary for the admission of the valve and the tool for fitting the valve-seat.

The construction is very simple and cheap, as will be readily observed.

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

The plug A, having partition, water-passage, and valve-seat, the spring G, valve F, and the socket H, constructed, arranged, and applied together in the shell, as and for the purpose set forth.

ASA T. WALDRON.

Witnesses:

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PETER L. WALDRON.