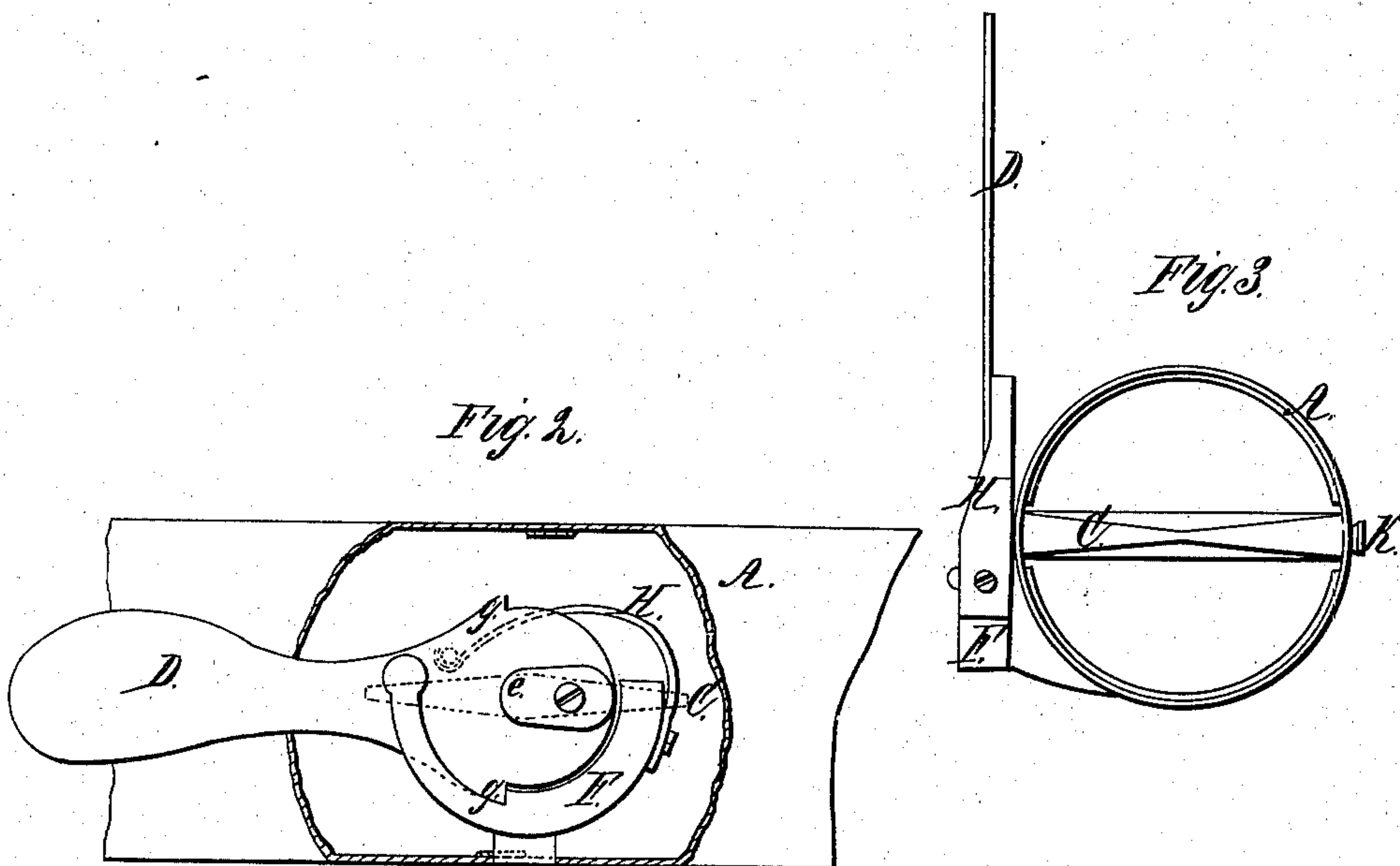
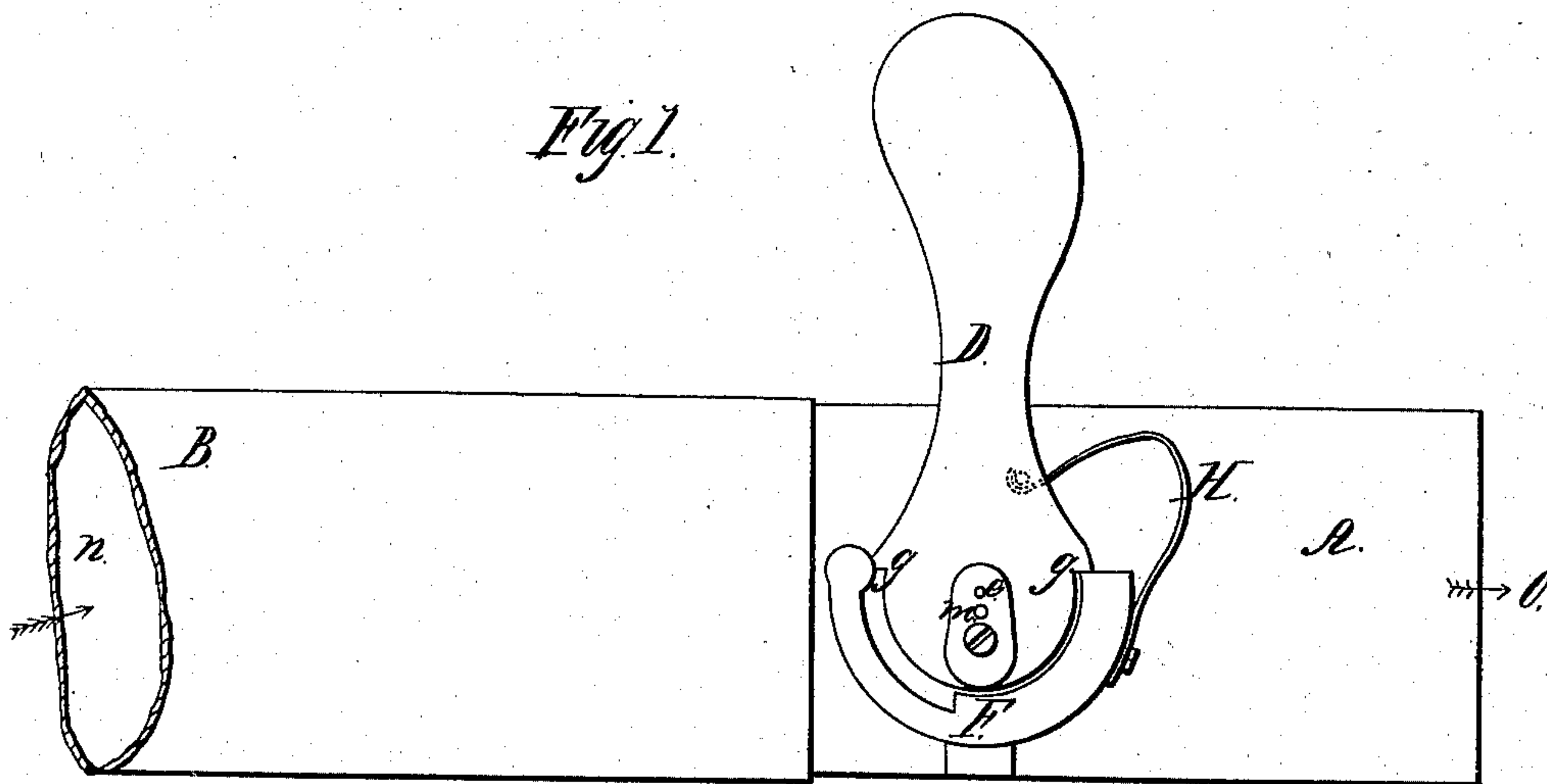


J. M. DE BOLLE.  
WASTE WATER STOP.

No. 32,444.

Patented May 28, 1861.



Witnesses:  
Edward Brown,  
Parr H. McFarland.

Inventor,  
John M. de Bolle

# UNITED STATES PATENT OFFICE.

JOHN M. DE BOLLE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND  
ANDREW J. HUSTED AND EDWIN HAND, OF SAME PLACE.

## VALVE FOR HOSE-PIPES.

Specification of Letters Patent No. 32,444, dated May 28, 1861.

*To all whom it may concern:*

Be it known that I, JOHN M. DE BOLLE, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented  
5 a new and useful Machine for Preventing the Waste of Water from the Ordinary Hose-Pipe, which machine I call a "waste-water stop;" and I do hereby declare that the following is a full, clear, and exact descrip-  
10 tion of the construction and operation of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a side elevation. Fig. 2 is  
15 a side elevation with a partial section, showing the valve in a different position. Fig. 3 is an end view.

The same letters in the different figures refer to the same parts.

20 The nature of my invention consists in applying to the ordinary hose pipe a self acting stop valve which closes itself when not in actual use, and shuts off the escape of the water.

25 In large cities supplied with water from an elevated position the water being conducted through the streets by mains, it is customary for the inhabitants to wash their stores, windows, and sidewalks by means of  
30 a hose attached to a hydrant. This hose is frequently left unattended for a considerable time, and much water is wasted by such carelessness. By inserting my self-acting stop into the hose-pipe or nozzle this is  
35 completely avoided.

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

40 A is the hose pipe or nozzle. B, the elastic hose. C, the valve. D, the handle. *e* the center of motion of the valve. F the guard. *g g* the lugs on the handle to regulate the distance of its travel.

H is a spring acting on the handle D, and keeping it as shown at Fig. 1; when at rest. 45

The water enters at *n* and leaves the pipe at *o*.

The valve C is of a form to offer a large opening and very little resistance to the water when open. As shown in the draw- 50  
ings it is swung in the center of the pipe A, upon the pivot K—and being in equilibrium is easily shut or opened. It is attached by the center pin K to the handle D, and can be opened and shut by means of said handle. 55

When in use the handle D is pressed down by the hand of the servant or operator as shown in Fig. 2, and a flow of water is allowed to pass. Upon the hose pipe being thrown down or liberated from the hand of 60  
the operator, the spring H immediately returns the valve back to the position as shown in Fig. 1. The same self acting effect may be partially produced by balancing the valve C slightly out of the center as shown at *m* 65  
by making *m* the center of oscillation, the valve C would close by the simple pressure of the water against it on the handle D being liberated, but I prefer to use a spring as being more certain in its operation. 70

I wish it to be understood I do not claim the valve C and handle D,—as said valve has been long in use in steam engines, my invention being in the self acting arrange- 75  
ment of said valve.

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

The combination of the valve C.—handle D.—guard F.—lugs *g. g*—and spring H arranged and operating as and for the pur- 80  
pose set forth.

JOHN M. DE BOLLE.

Witnesses:

EDWARD BROWN,

PARK H. MCFARLAND.