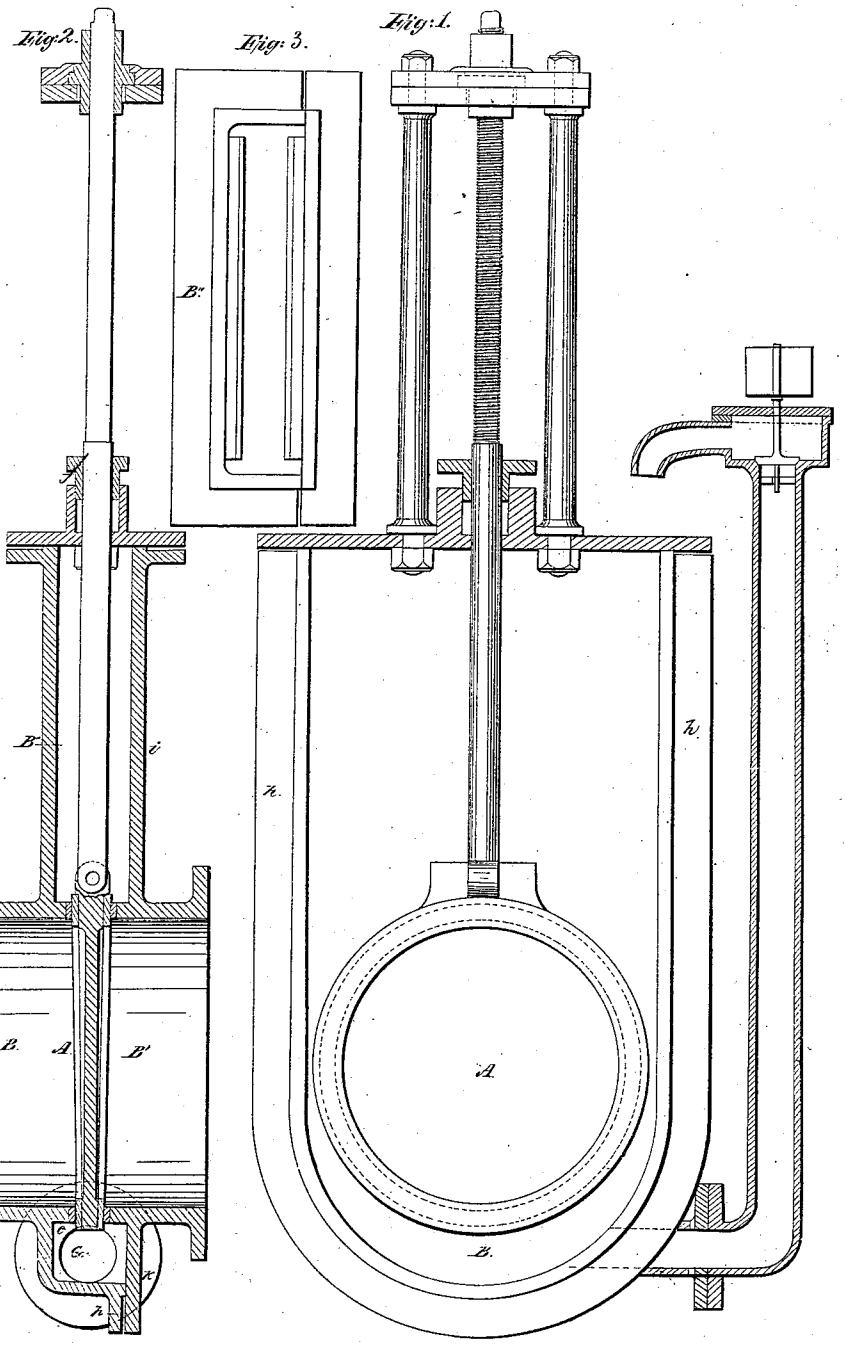
H. R. Dunham,

Stop Cock,

No. 2.908. Patented Jan. 10, 1843.



Witnesses:
Nathan Porter
Arthur Sidler.

Inventor:
Henry R. Dunham

UNITED STATES PATENT OFFICE.

HENRY R. DUNHAM, OF NEW YORK, N. Y.

STOP-COCK FOR HYDRANTS.

Specification of Letters Patent No. 2,908, dated January 10, 1843.

To all whom it may concern:

Be it known that I, HENRY R. DUNHAM, of the city, county, and State of New York, have invented a new and useful Improvement in the Stop-Cock; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1. is a section at right angles to the pipe. Fig. 2. a vertical section across the valve Fig. 3. a top plan of the valve chamber.

The nature of my invention consists in furnishing the common stop cock in water pipes with a reservoir and pipe below the valve seat to receive the dirt and sediment deposited under the valve; so constructed as to be cleaned or "blown out" by the force of the water when drawn off through a pipe connected therewith for that purpose.

The casting B, forming one side of the cock is of the same diameter as the pipe to which it is to be attached it has a flange by which it is attached to said pipe in the usual way; from the top of this circular part a projection extends up forming the three sides of the valve chamber B′. This is an oblong box of the same length as the diameter of the pipe, and a little wider in the clear than the valve is thick, its height is sufficient to allow the valve to be drawn up and allow the water a free passage through the pipe. On the under side of the circular part B, is a reservoir (*c*) cast, which projects directly under the valve (shown at Fig. 2.) this reservoir terminates on one side in a circular pipe G, having a flange on its end; there is also a flange (*h*) surrounding the sides of the valve chamber and reservoir next the casting B′ to which it is attached. The casting B′, has a circular part precisely similar to B from which projects up a flat plate (*i*) which forms one side of the valve chamber it also has a flange (*k*) extending down to form one side of the square part of the reservoir (the circular part G, being all on the first named casting B). The valve A is constructed and works like those in common use the stem passing through a stuffing box; in the top of the valve chamber in the usual way.

From the circular termination of the reservoir G. a pipe D may lead up to a hydrant, as in Fig. 1. E being the valve G′ the wright and F. the spout, the reservoir and pipe thus answers the double purpose of carrying off the dirt or sediment collected in the recess (*c*) under the valve and furnishes a ready connection for hydrants when desired. The force of the water when allowed to rush through this opening carries off the drift that collects in it and allows the valve to come down to its seat without any impediment.

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

The combination of the reservoir or recess and pipe (*c*. G.) with the common stop-cock of water pipes constructed and arranged substantially in the manner and for the purpose herein set forth.

HENRY R. DUNHAM.

Witnesses:

J. J. GREENOUGH,

I. K. MORSELL.