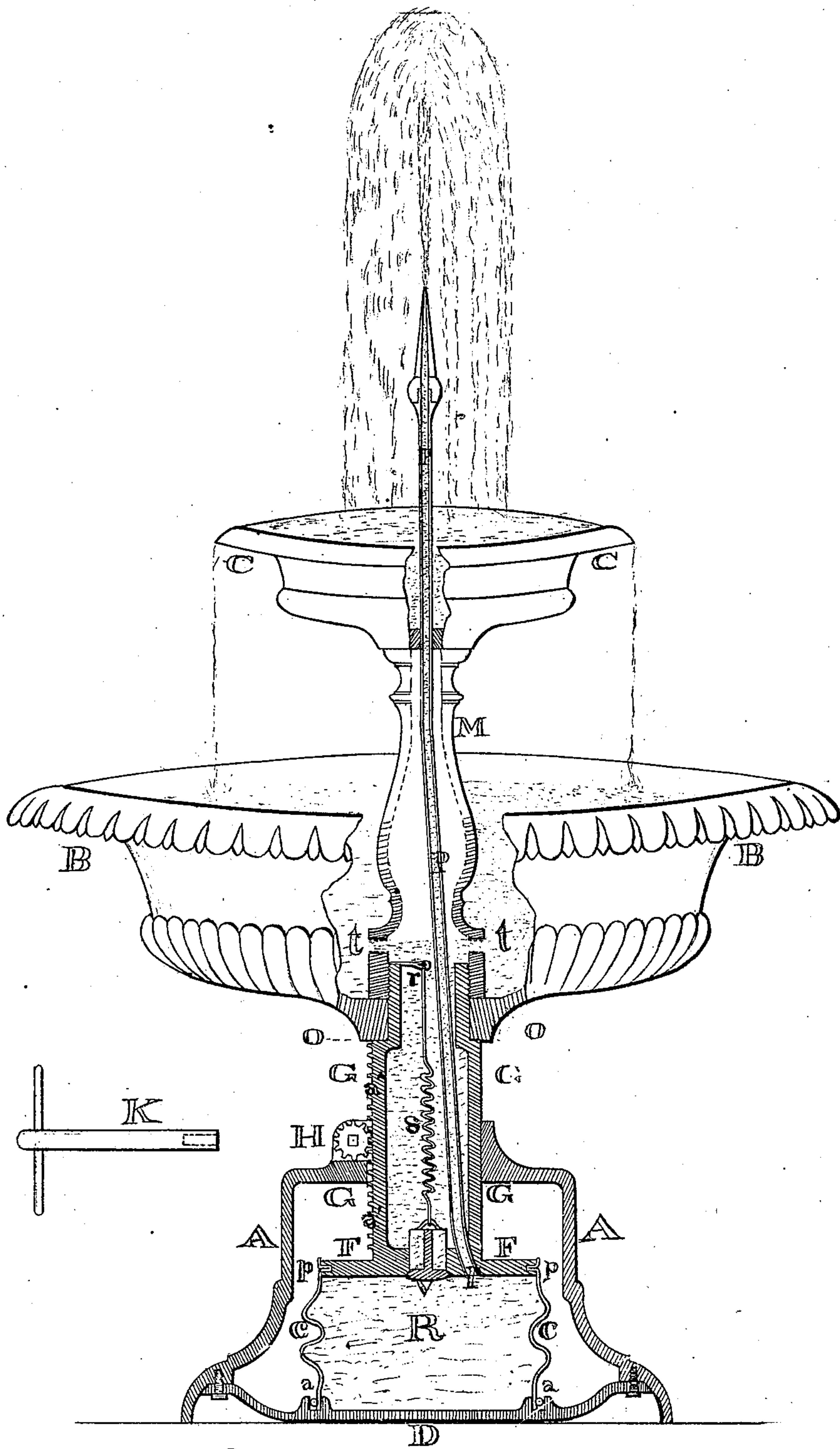


A. P. Yates,

Fountain.

No. 103814.

Patented May 31, 1870.



Witnesses Present
C. W. Smith
N. B. Smith

Arthur P. Yates

United States Patent Office.

ARTHUR P. YATES, OF SYRACUSE, NEW YORK

Letters Patent No. 103,814, dated May 31, 1870.

IMPROVEMENT IN FOUNTAINS.

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, ARTHUR P. YATES, of the city of Syracuse, in the county of Onondaga and State of New York, have invented a new and improved Portable Fountain; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawing which forms a part of this specification.

The fountain is made of metal, and principally of cast-iron, with a flexible bag made of rubber or other suitable water and air-tight material suitable for the purpose.

A represents the base of the fountain.

B represents the first basin, and

C, the second basin.

Other basins may be added above the basin C, as may be desired.

The base A is made hollow, according to any desirable pattern, and underneath the same is fitted the false bottom D, which forms the support for the reservoir R, which false bottom is made with a recess, *a*, into which the lower end of the flexible bag *c* is inserted, and around which, in the recess *a*, a small wire is driven down to form a water and air-tight joint; or said joint may be made in any other ordinary manner.

The reservoir R is also provided with a cover, F, to which is attached (and it may be a part thereof, or otherwise attached in any ordinary manner,) the hollow stem G which extends through the bottom of the first basin B, and has a shoulder, *o*, for the basin B to rest upon, as shown in the drawing, and the stem G also passes through the upper portion of the base A, and is made to slide up and down through the top of said base A.

At a convenient point on the top of the base A is placed a pinion, H, which is geared into the rack *a'*; which rack *a'* forms a part of or is firmly attached to the stem G.

Through the cover F is the valve V, supported by the rod *r* and spring *s*, as shown in the drawing.

The cover F also has an opening for the jet-pipe P.

At the upper end of the stem G, as far as it ex-

tends into the basin B, a thread is cut to receive the bottom of the column M, which supports the second basin C, which is made hollow for the jet-pipe P to pass through, and with small openings *t t* near the bottom, for the water to return to the reservoir R.

The upper end of the bag *c* is made to form a water and air-tight joint with the cover F, by means of the recess *p* around the outer edge thereof, into which the bag is pressed by means of a cord or wire, or in any other manner to make a water or air-tight joint.

The fountain is then made to operate as follows :

Water is poured into the basin B until it is nearly full; experience will indicate about how much to use.

By applying the key K to the pinion H the basins B and C will be raised and the valve V opened, so as to let the water pass down into the reservoir R.

The superincumbent weight pressing upon the water in the reservoir R closes the valve V and forces the water up through the jet-pipe P, as fully shown in the drawing.

The reservoir R may be made entirely of rubber or other flexible material, and attached by a suitable air and water-tight joint to the bottom of the stem G, and provided with a valve, V, and opening for the jet-pipe P, located substantially as shown in the drawing.

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

1. The flexible reservoir R, combined with a fountain in such a manner that the weight of the fountain-basin or basins compresses the reservoir, and thereby produces the jet of water, substantially as herein specified.

2. The self-acting valve V, in combination with the flexible reservoir R and movable compressing-basin or basins B C, substantially as and for the purpose herein specified.

3. The same parts in combination with the rack *a'* and pinion H, substantially as above set forth.

ARTHUR P. YATES.

Witnesses:

C. W. SMITH,
N. B. SMITH.