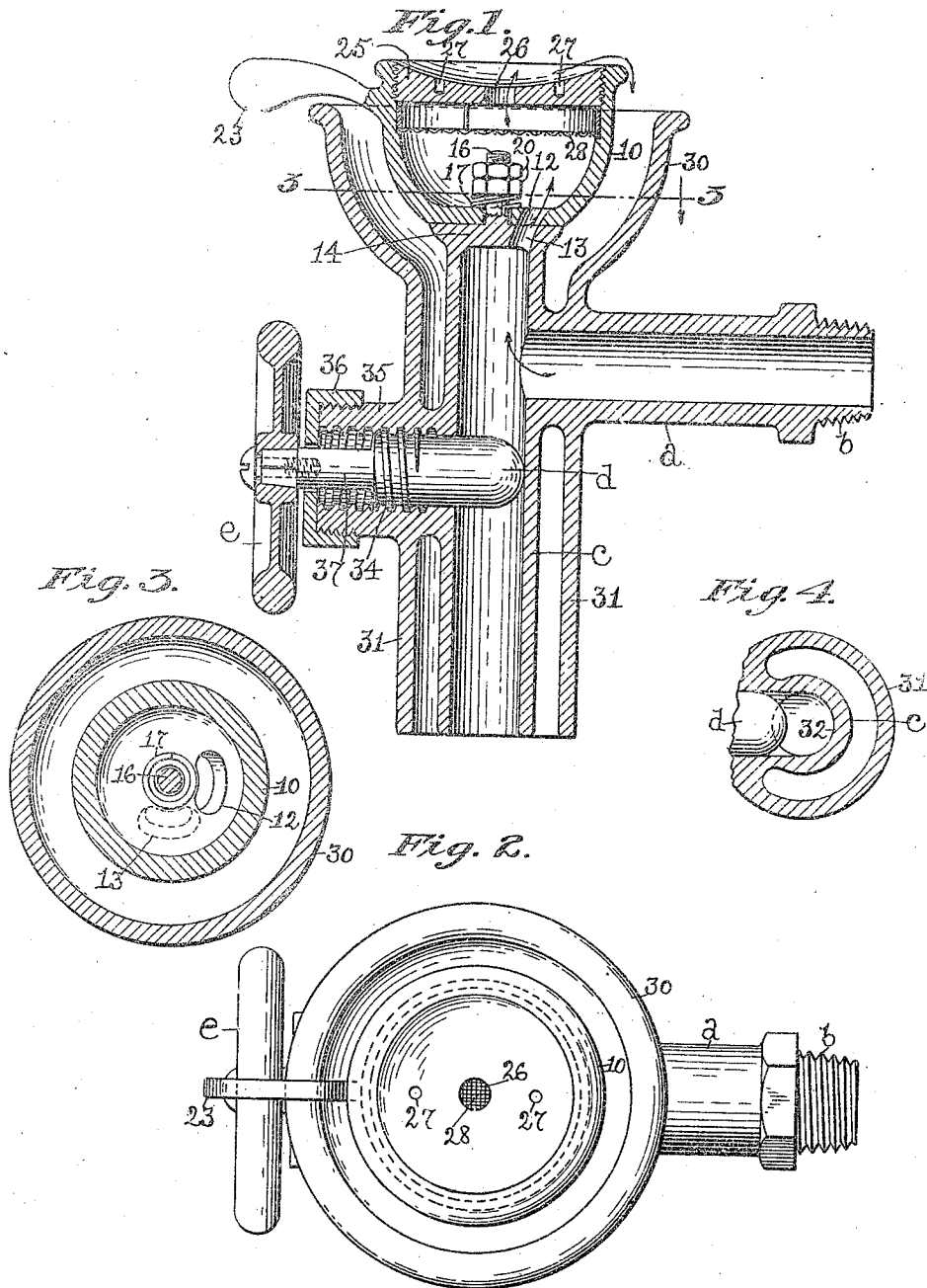


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 COMBINED DRINKING FOUNTAIN AND FAUCET.
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UNITED STATES PATENT OFFICE.

FRANK D. JACOBS, OF CANTON, MASSACHUSETTS.

COMBINED DRINKING-FOUNTAIN AND FAUCET.

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Specification of Letters Patent. Patented Aug. 27, 1912.

Application filed August 25, 1910. Serial No. 578,901.

To all whom it may concern:

Be it known that I, FRANK D. JACOBS, of Canton, county of Norfolk, and State of Massachusetts, have invented an Improvement in Combined Drinking-Fountains and Faucets, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to provide a combined drinking fountain and faucet, constructed and arranged to be used as either, at the will of the operator, whereby water may be drawn through the faucet in the ordinary manner or it may be caused to flow up into the fountain for drinking purposes. Provision is also made for an overflow from the fountain as will be described. These and other features of this invention will be pointed out in the claims at the end of this specification.

Figure 1 is a vertical section of one form of combined faucet and drinking fountain embodying this invention. Fig. 2 a plan view of the apparatus shown in Fig. 1. Fig. 3 a section on the line 3—3 Fig. 1 and Fig. 4 a detail to be referred to.

In the present instance I have shown one embodiment of the invention, which comprises a pipe *a* provided at its free end with screw threads *b* for attachment to the water supply pipe in the usual manner, and connected at its other end to a pipe *c*, which constitutes a discharge pipe for the faucet, the flow of water through it being controlled by a valve *d* provided with the hand wheel *e*.

The pipe *c* has pivotally mounted upon it a cup 10, which is closed at its bottom except for a port or opening 12, which is adapted to register with a port or opening 13 in the head or end 14 of the pipe *c*. The cup 10 constitutes the drinking cup or fountain and is shown as mounted to turn on a stud or pin 16 erected upon the head 14 of the pipe *c* and is retained thereon by a spring 17, encircling the pivot pin or stud 16 and interposed between adjusting nuts 20 and the bottom of said cup.

The port or opening 12 is designed to register with the port or opening 13 when the

cup is to be used and to be cut off therefrom by rotating the cup a quarter turn as indicated in Fig. 3. The cup 10 may be provided with a handle 23 to facilitate turning the same.

The cup 10 may be left open, or as may be preferred, it may be provided with a removable cover 25 which is provided with a central port or opening 26 through which the water may pass in the form of a substantially small stream. The cover 25 is shown as provided with holes 27 for the reception of a spanner wrench by which it may be unscrewed from the cup. The cup 10 may contain within it below the cover 25 a strainer or filter 28 of gauze or other suitable material. Provision is made for conducting away the overflow from the drinking cup, and for this purpose, the cup 10 is surrounded by a larger cup 30 having an outlet pipe 31 extended from its bottom and surrounding the outlet pipe *c* for the faucet.

The cup 30 and its outlet pipe 31 may be cast in one piece with the pipes *a c* comprising the faucet, or they may be made in separate pieces and suitably connected together.

In the present instance the valve *d* is shown as a plug valve, having a rounded end which extends across the pipe *c* and fits a correspondingly shaped seat 32 see Fig. 4, so as to effectively close the pipe *c* when the valve *d* is closed. The valve *d* is shown as provided with screw threads 34 which engage an internally threaded boss 35 extended laterally from the pipes *c*, 31, said boss having a cap 36 which admits of the valve stem 37 being packed water tight in a manner well understood.

The bottom of the drinking cup 10 is designed to make a ground joint with the head or end 14 of the pipe *c* so as to obtain a water tight joint when the cup is turned into the position shown in Fig. 3, and thereby effectively shut off the supply of water to the cup.

In operation, when it is desired to use the drinking cup or fountain, the valve *d* is closed and the cup turned to cause the port 12 to register with the port 13, whereupon the water under a suitable head will flow

through the pipe *a* and upwardly into the pipe *c* above the valve *d* through the ports 13, 12 into the cup 10 and out through the port 26. The water overflowing from the cup 10 descends into the waste cup 30 from which it flows through the waste pipe 31.

When it is desired to use the faucet alone, the drinking cup 10 is turned so as to close the port 13 and the valve *d* is opened, whereupon the water flows from the pipe *a* into and out of the pipe *c* at the lower end of the latter.

I have herein shown one construction of device embodying this invention but I do not desire to limit myself to this particular construction shown, as it is evident that the cup 10 practically forms a wide mouth for the upwardly extended portion of the pipe *c*.

While it may be preferred to provide for shutting off the flow of water through the drinking outlet or cup 10, when not in use, I do not desire to limit the invention in this respect as the drinking outlet may be permanently open to obtain a continuous discharge of water through the drinking outlet.

By reference to Fig. 1, it will be observed that the portion of the pipe *c* between the valve *d* and the drinking cup constitutes a chamber which is in direct communication with the inlet pipe *a* and contains water under the same pressure as that in said inlet pipe, and that two outlets are provided for this chamber, one of which leads to the outside of the overflow pipe and is controlled by the valve *d*, and the other of which leads to the overflow pipe and is controlled by a second valve in the form of a drinking cup. It will also be observed, that the chamber which forms a common supply for drinking and other purposes, is located within the overflow pipe, and the valves controlling the flow of water out of the said chamber are accessible from outside of the overflow pipe, which enables the apparatus to be made compact, neat and attractive in appearance and at a minimum expense.

Claims:

1. In combination, a water faucet having an inlet pipe, an outlet pipe and a valve controlling the passage of water in one direction out of said outlet pipe, a drinking cup rotatably mounted on said outlet pipe and provided with a water inlet port capable of communicating with said outlet pipe in one position of said cup to permit the water to flow into the said cup, and to be cut off therefrom in another position of said cup, and an overflow cup surrounding said drinking cup and provided with a water outlet pipe, substantially as described.

2. In a combined drinking fountain and faucet, in combination, an overflow pipe

provided with a cup at its upper end and with a water outlet at its lower end, a pipe within the overflow pipe having a head at its upper end provided with an outlet port, and having its lower end open, a water inlet pipe extended laterally into the overflow pipe and connected with the inner pipe, a drinking cup rotatably mounted on the inner pipe and having a port in its bottom cooperating with the port in the head of the inner pipe, said drinking cup being of smaller diameter than the overflow cup, and a valve accessible from outside of the overflow pipe and controlling the flow of water down through the inner pipe, substantially as described.

3. In a combined drinking fountain and faucet, an overflow pipe provided at its upper end with a cup, and at its lower end with a water outlet, a pipe within said overflow pipe and secured thereto and provided with a water outlet leading to the said cup, and with a second water outlet independent of the overflow pipe, a water inlet pipe extended into the overflow pipe and connected with the inner pipe between the water outlets of the latter, and valves to control the flow of water through the outlets of the inner pipe, substantially as described.

4. In a combined drinking fountain and faucet, an overflow pipe provided with a cup at its upper end, means within the overflow pipe for forming a chamber having an outlet through the overflow pipe and a second outlet into the overflow pipe, a water inlet pipe extended into the overflow pipe and connected with said chamber, a valve accessible from outside the overflow pipe for controlling the flow of water out of said chamber independently of said overflow pipe, and a second valve accessible from outside of the overflow pipe for controlling the flow of water out of said chamber into the cup at the upper end of said overflow pipe.

5. In a combined drinking fountain and faucet, in combination, an overflow pipe, means within the overflow pipe for forming a chamber therein having an outlet into the overflow pipe and a second outlet independent of the overflow pipe, an inlet pipe for said chamber extended into the overflow pipe, and valves controlling the flow of water out of said chamber, substantially as described.

6. In a combined drinking fountain and faucet, in combination, a pipe provided with a cup at its upper end, means within the pipe for supplying water to the said cup, means within the pipe for conducting water through the same to the outside thereof, and valves accessible from outside of the pipe for controlling the flow of water into the said cup and through said pipe.

7. In a combined drinking fountain and

faucet, a pipe, means within said pipe for
supplying water thereto, means within the
said pipe for conducting water through the
same to the outside thereof, and valves ac-
5 cessible from outside of the said pipe for
controlling the flow of water into the said
pipe and through the same.

In testimony whereof, I have signed my
name to this specification in the presence of
two subscribing witnesses.

FRANK D. JACOBS.

Witnesses:

JAS. H. CHURCHILL,
MARCUS B. MAY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."