

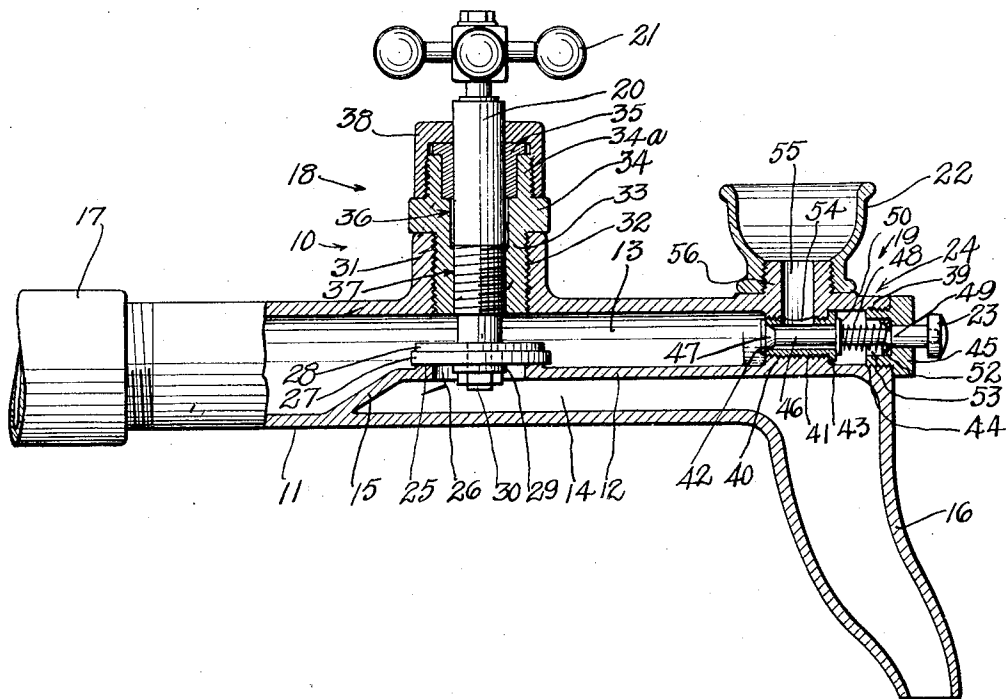
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COMBINATION FAUCET AND DRINKING FOUNTAIN

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COMBINATION FAUCET AND DRINKING FOUNTAIN

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This invention relates to liquid dispensers and particularly to faucets or valves and drinking fountains.

One object of this invention is to provide a combined faucet and drinking fountain together with an improved unitary means for mounting the same and supplying with liquid either one or both, as desired.

Another object of the invention is the provision of a drinking fountain having an improved valve arrangement and control, which is simple and compact.

Another object of the invention is the provision of a combined liquid supply pipe and valve, with an improved valve seat arrangement in the pipe and forming a part of a multiple flow passage structure.

A further object of the invention is to furnish a combination faucet and drinking fountain having relatively few and simple parts co-ordinated in an improved manner, and which is compact, and inexpensive to manufacture, easy to operate, reliable, and efficient in use.

Other objects and advantages of the invention will become apparent as the specification proceeds.

With the aforesaid objects in view, the invention consists in the novel combinations and arrangements of parts hereinafter described in their preferred embodiments, pointed out in the subjoined claims, and illustrated on the annexed drawing.

In the drawing is shown a view in vertical section of a device embodying the invention.

The advantages of the invention as here outlined are best realized when all of its features and instrumentalities are combined in one and the same structure, but, useful devices may be produced embodying less than the whole.

It will be obvious to those skilled in the art to which this invention appertains, that the same may be incorporated in several different constructions. The accompanying drawing, therefore, is submitted merely as showing the preferred exemplification of the invention.

It will be understood that this invention is applicable to liquid dispensers generally hav-

ing a plurality of connections or outlets one or both of which are to be operated simultaneously, and that the terms faucet and drinking fountain are to be considered merely in an illustrative sense, and as exemplifying the broad invention.

Referring in detail to the drawing, 10, denotes a combination faucet and drinking fountain embodying the invention. The same includes a supply pipe 11 for water or other liquid. Formed in a portion of said pipe is a transverse longitudinally extending wall 12 dividing the pipe into a plurality of passages 13 and 14. Of these the passage 13 may be somewhat larger. The wall 12 is connected to the wall of the pipe at 15. At one end of the pipe may be a suitable branch outlet or faucet nozzle 16 communicating with the passage 14. The faucet nozzle may be of any desired shape or construction and so arranged that hose connections may be made therewith. The other end of the pipe 11 is adapted to be connected to any suitable coupling or liquid supply means 17.

A faucet valve 18 coacts with the nozzle 16, and a drinking fountain 19 is arranged to communicate with one of said passages, so that water may be supplied either to the faucet nozzle or to the drinking fountain as may be desired. Various possible arrangements may be employed for this purpose, but I desire to provide a neat appearing and compact fixture which is convenient to operate. Accordingly, the faucet valve is preferably positioned with the stem 20 thereof in vertically extending position and the handle 21 above the pipe 11. For the same reasons, the drinking fountain is preferably arranged at an end of the pipe 11, adjacent to the faucet nozzle, and with the cup 22 opening upward and the push button 23 that operates a valve 24 controlling the flow of water to the cup, and positioned in alinement with said supply pipe and in forward extending relation therefrom.

The passage 13 is closed at its end in any suitable manner or by the valve 24. Formed in the dividing wall 12 is a valve seat 25 around an opening 26. To close said opening, any well known valve 27 may be provided adapted to register with said seat. This valve

is mounted on the lower end of the stem 20. The valve may consist of a flexible disc backed by a rigid washer 28 and secured to the stem by a washer 29 and a nut 30 screwed on the end of the stem.

The supply pipe 11 may have a tubular portion 31 connected thereto or made of integral construction therewith. This tubular portion may be alined with the valve 26, and it may be internally threaded at 32. Screwed into the tubular portion is a bushing 33, or the like, having a head 34 whereby the same may be turned by a wrench. The bushing may have an upper threaded male portion 34a that is adapted to receive a gland 35. Formed in said bushing is a central opening 36, the lower portion of which has threaded engagement at 37 with the stem. A cap 38 may be screwed onto the portion 34a so as to bear down on the gland and make the stem fluid tight.

When the valve 18 is closed, no liquid may flow from the passage 13 into the passage 14. But when the valve is open, liquid is free to flow through the valve opening 26 into the passage 14 and thence to the faucet nozzle 16.

The valve structure 24 may include a cylindrical casing portion 39 connected to but preferably integral with the supply pipe 11, and formed as an extension of the passage 13. The said casing portion may have a threaded part 40 into which a sleeve 41 providing a valve seat 42 is screwed. This sleeve 41 may have a head or other engagement portion 43 whereby the same is screwed into position, through an opening 44 which may be closed by a nut 45. Extending through the sleeve is a stem 46 one end of which carries a valve 47, while the other end extends snugly through an opening in the nut 45. To retain the valve in closed position, an expansion coil spring 48 takes around the stem and bears at one end against a shoulder 49 fixed to the stem, and at its other end against a washer 50 resting against an end of sleeve 41. Interposed between the spring and the shoulder may be a leather cup 52 for assuring a liquid tight connection, said leather cup moving along and in snug contact with the wall of a bore 53 in the nut 45.

Formed in the wall of the sleeve 41 may be one or more holes 54, one of which is adapted to communicate with an opening 55 of a branch connection 56, and to which connection the fountain cup 22 is threadedly connected.

When the valve 47 is closed, flow of water is cut off to the drinking fountain or to the parts forward of said valve. On pressing the button 23, the valve is opened, but the valve 47 and the stem 46 permit only a restricted flow of water to the drinking fountain under a requisite reduced pressure. That reduced pressure is sufficiently low to prevent leakage about the stem 46 without the employment of

any gland, although it will be understood that the same may be used in the conventional manner if desired.

It will now be understood that either the faucet or the drinking fountain or both may be operated as may be convenient.

The supply pipe 11 may be made in any suitable manner, for instance, as a casting. It may assume various sizes and shapes and may also be denominated as a liquid container.

It will be appreciated that various changes and modifications may be made in the device as shown in the drawing, and that the same is submitted in an illustrative and not in a limiting sense, the scope of the invention being defined in the following claims.

I claim:

1. A combined faucet and fountain including an elongated casing having a longitudinal partition dividing the casing into a plurality of passages, said passages having separate lateral outlets adjacent to each other at one end of the passages, and the latter being otherwise closed at said end, said partition having fluidtight connection remote from said passage end with a wall of the casing; said partition having an opening intermediate of the ends thereof, a faucet valve in one passage seating flat upon a side of said partition for closing the opening, a stem for the faucet valve extending through a wall of the casing, whereby the faucet valve controls the passage to one of said outlets, a fountain bowl for the other outlet connected thereto in parallelism to the faucet valve, and a valve means for controlling the flow to the fountain bowl, said valve means being disposed in the passage having the faucet valve and having an axis at right angles to the axis of the faucet valve.

2. A combined faucet and fountain, including a casing having a partition therein, said partition having an opening therethrough and forming passages adapted to communicate with each other only through said opening, separate lateral outlets for said passages, and a plurality of valves in one of the passages and spaced therealong, one of the valves controlling said opening, the other valve controlling the outlet for the passage in which said valves are located, the valve for the opening having a stem extending transversely through the casing, the other valve extending along an axis at right angles to the said stem.

3. A combined faucet and fountain, including a casing having a partition therein, said partition having an opening therethrough and forming passages adapted to communicate with each other only through said opening, separate lateral outlets for said passages, and a plurality of valves in one of the passages and spaced therealong, one of the valves controlling said opening, the other valve con-

trolling the outlet for the passage in which said valves are located, the valve for the opening having a stem extending transversely through the casing, the other valve extending
5 along an axis at right angles to the said stem, the casing having an opening communicating with the valve passage and alined with the other valve, and a removable closure for the latter opening.

10 In testimony whereof I affix my signature.
GEROME TRUPIANO.

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