

M. M. MARCUSE.
 DRINKING FOUNTAIN.
 APPLICATION FILED NOV. 14, 1911.

1,172,818.

Patented Feb. 22, 1916.

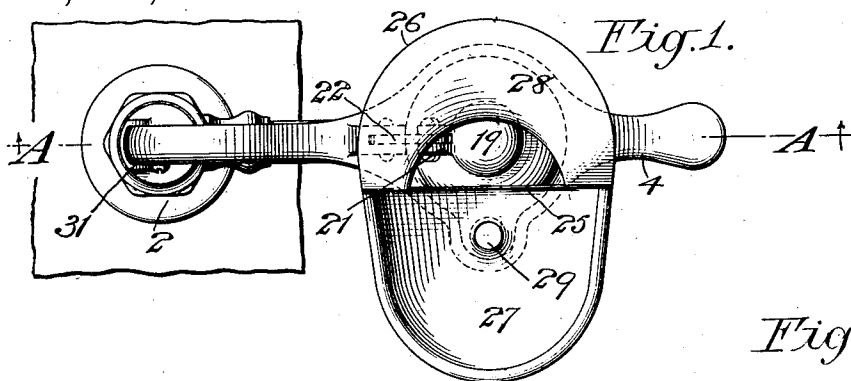


Fig. 2.

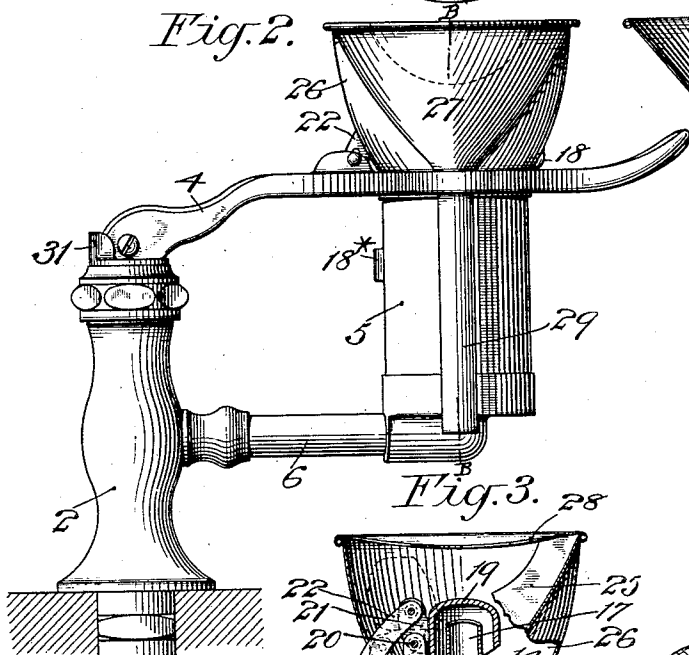


Fig. 3.

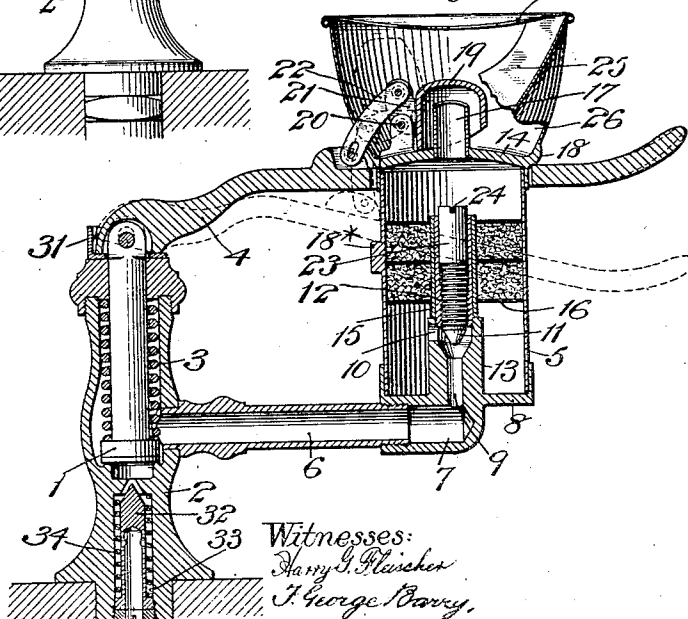
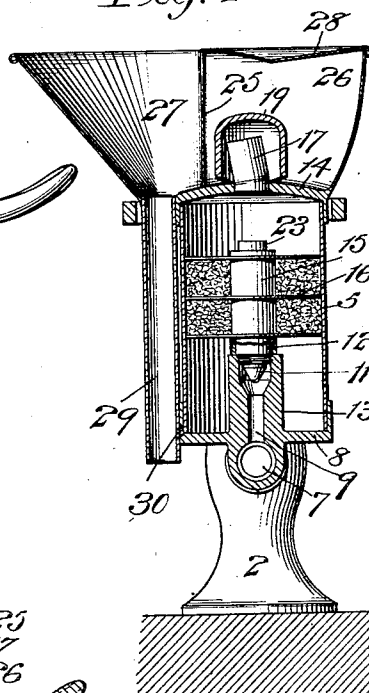


Fig. 4.



Witnesses:
 Harry G. Klischer
 J. George Barry.

Inventor:
 M. M. Marcuse
 by his attorney
 Brown & Ward

UNITED STATES PATENT OFFICE.

MOSES M. MARCUSE, OF NEW YORK, N. Y., ASSIGNOR TO WEST DISINFECTING COMPANY,
OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

DRINKING-FOUNTAIN.

1,172,818.

Specification of Letters Patent.

Patented Feb. 22, 1916.

Application filed November 14, 1911. Serial No. 660,208.

To all whom it may concern:

Be it known that I, MOSES M. MARCUSE, a citizen of the United States, and resident of the borough of Manhattan, in the city and State of New York, have invented a new and useful Improvement in Drinking-Fountains, of which the following is a specification.

This invention relates to drinking fountains and has for its object to provide certain improvements in the construction, form and arrangement of the several parts of that type of drinking fountain in which the supply is manually controlled, in which the supply is filtered before it is discharged, and in which the flow is automatically regulated.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 represents the fountain in top plan, Fig. 2 is a view in side elevation, Fig. 3 is a longitudinal vertical section taken in the plane of the line A—A of Fig. 1, the parts being represented in their normal position in full lines and in their position for permitting the discharge of the liquid in dotted lines, and Fig. 4 is a cross vertical section taken in the plane of the line B—B of Fig. 2.

The liquid supply controlling valve is denoted by 1, its casing by 2, its closing spring by 3 and its operating handle by 4. The parts are so arranged that the valve 1 is opened to permit the discharge of the fluid, by depressing the handle 4.

A filter box 5 is carried by the discharge pipe 6 projecting laterally from the valve casing 2. The parts are so arranged that the pipe 6 opens into a lateral passage 7 in the base 8 of the filter box and a vertical passage 9 leads upwardly into the interior of the filter box. A laterally arranged discharge port 10 is in communication with the vertical passage 9.

A valve 11 has a screw threaded engagement with a sleeve 12 forming an upward extension of the post 13 in which the passage 9 and port 10 are situated, which valve may be adjusted to regulate the flow of liquid from the port 10.

A suitable filter is located within the filter box 5 between the top 14 of the box and the port 10, which filter is herein shown as a

tube 15 fitted around the sleeve 12 and provided with a plurality of filter disks 16 extending to the walls of the filter box, between which disks a filtering material may be placed if desired. The top 14 of the filter box is provided with a liquid discharge nozzle 17. This filter box projects upwardly through the handle 4 and the cover 14 of the filter box is provided with a lip 18 or other abutment for limiting the upward movement of the handle. The box is also provided with a stop 18* to limit the downward movement of the handle. For protecting the nozzle 17 when the fountain is not in use, I provide a cap 19 hinged at 20 to a lug 21 uprising from the top 14 of the filter box. This cap 19 is automatically opened and closed by means of a link connection 22 between it and the handle 4. To permit the valve 11 to be readily adjusted to the proper amount without disconnecting the parts, its rod 23 may be provided with a kerf 24 in its upper end where it may be engaged by a screw driver inserted through the discharge nozzle 17. The cover 14 is developed into a basin divided by a cross partition 25 into a chamber 26 in which the nozzle 17 and cap 19 are located, and a drain chamber 27. The nozzle 17 is inclined in a direction to discharge the water over the partition 25 into the drain chamber 27, the top of which is open for giving free access to the drinker. The top of the chamber 26 is partially closed by a wall 28 for protecting the nozzle and cap from injury. A drain pipe 29 leads from the bottom of the chamber 27 downwardly along the outside of the filter box 5. A hole 30 leads from the bottom of the filter box into the drain pipe 29, thus permitting all the water within the filter box to escape when the valve 1 is closed, thereby insuring a fresh supply of water being discharged when the valve 1 is opened. A finger guard 31 embraces the inner end of the operating handle 4 where it is hinged to the stem of the valve 1, for preventing the fingers from being pinched between the handle and the casing 2 when the handle is being operated.

Means are provided for automatically regulating the flow of the water under varying pressures, which means are shown herein as comprising a valve 32 located in the

water supply passage 33 and a spring 34 holding the valve normally open. As the pressure increases it will gradually push the valve 32 toward its seat, thus preventing the water from shooting up to too great a height from the nozzle 17.

It is evident that various changes might be resorted to in the construction, form and arrangement of the several parts without departing from the spirit and scope of my invention; hence I do not wish to limit myself strictly to the structure herein set forth, but

What I claim is:—

15 1. A drinking fountain having a filter box, a liquid supply passage leading thereinto at a point above the bottom of the box, a manually operated controlling valve for said passage, a handle for said controlling valve, an upwardly inclined discharge nozzle leading from said filter box, and a cap for said nozzle having a linked connection with said filter box and handle.

25 2. A drinking fountain having a filter box, a liquid supply passage leading thereinto, a manually operated controlling valve for said passage, an upwardly directed discharge nozzle leading from said filter box and a manually operated regulating valve vertically disposed within the filter box in position to regulate the flow of liquid from said passage into said filter box.

35 3. A drinking fountain comprising a valve casing, its valve, a laterally extended branch pipe, a filter box uprising from said branch

pipe, an upwardly directed discharge nozzle for the filter box and a valve operating handle embracing the filter box.

4. A drinking fountain comprising a valve casing, its valve, a laterally extended branch pipe, a filter box uprising from said branch pipe, an upwardly directed discharge nozzle for the filter box, a valve operating handle embracing the filter box and a cap for the nozzle connected to the handle whereby the cap is opened and closed by the movement of the handle.

5. A drinking fountain having a liquid supply passage, a controlling valve therefor, a filter, a basin surmounting the filter divided into two compartments and a discharge nozzle for said filter located in one compartment and arranged to direct the flow of water when the valve is opened, into the other compartment.

6. A drinking fountain having a liquid supply passage, a controlling valve therefor, a filter, a basin surmounting the filter, a drain pipe leading therefrom, a drain passage leading from the filter into said drain pipe and an upwardly directed discharge nozzle for said filter within said basin.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two witnesses, this twenty-seventh day of October 1911.

MOSES M. MARCUSE.

Witnesses:

F. GEORGE BARRY,
HENRY C. THIEME.