April 5, 1927. 1,623,248

F. JOSEPH ET AL

FAUCET ATTACHMENT

Filed June 25, 1925

Fig. 1.

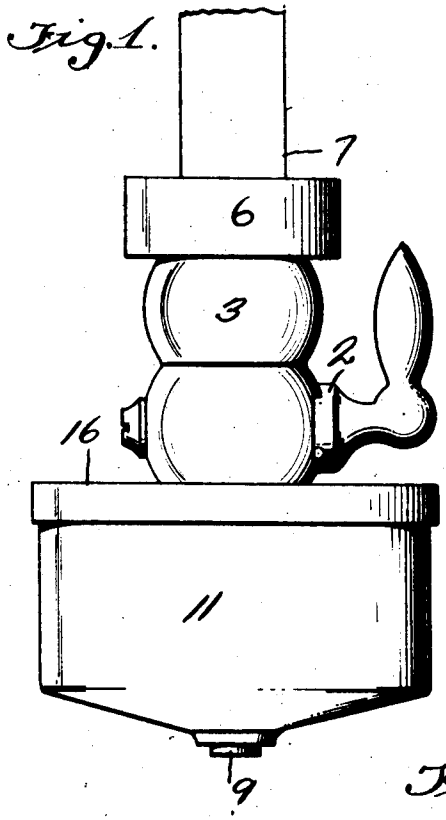


Fig. 2.

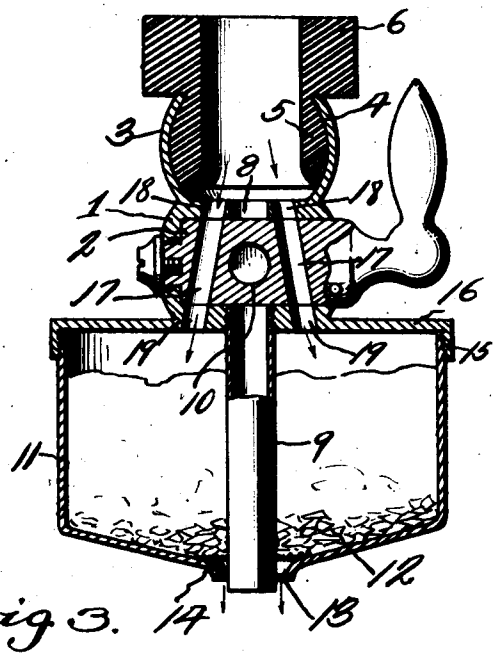
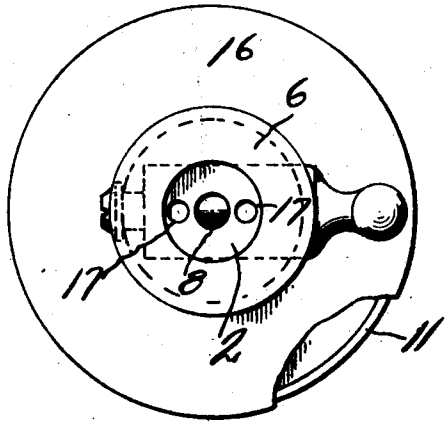


Fig 3.



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UNITED STATES PATENT OFFICE.

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FAUCET ATTACHMENT.

Application filed June 25, 1925. Serial No. 39,547.

The invention relates to faucet attachments and has for its object to provide an attachment which may be easily and quickly attached to a conventional form of faucet and provided with means whereby water after leaving the faucet may be immediately discharged or directed through a chamber of a soap receiving casing for discharging soapy water.

A further object is to provide the device with a valve casing having a rotatable valve therein which is provided with a centrally disposed port adapted to register with a vertically disposed discharge pipe and with diverging ports adjacent its ends adapted to register with ports, which also diverge for directing water into the soap receiving compartment of the casing for supplying soapy water. The diverging relation of the ports insures the passing of the water through the soap particles at opposite sides of the discharge opening of the casing surrounding the vertical discharge pipe.

A further object is to provide the discharge opening of the casing with a screen for preventing the soap particles from being forced from the casing before they are dissolved. Also to provide the valve casing with an integral cover for the soap receiving casing and into which cover the soap receiving casing is threaded thereby allowing the soap receiving casing to be easily and quickly removed for cleaning or refilling purposes.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:

Figure 1 is a view in elevation of the device.

Figure 2 is a vertical longitudinal sectional view through the device.

Figure 3 is a top plan view.

Referring to the drawing, the numeral 1 designates a valve casing, in which is rotatably mounted a horizontally disposed plug valve 2. Extending upwardly from the valve casing 1 is an integral spherical member 3, in the semispherical chamber 4 of which the lower end 5 of a yieldable nipple 6 is disposed, which nipple is adapted to be received on a conventional form of faucet 7, in a manner whereby water discharged from the faucet will pass through the nipple to the port 8 of the valve casing 1, and which port is in vertical alinement with the vertically disposed discharge pipe 9 carried by the lower side of the valve casing 1 and through which pipe 9 clear water is discharged when the valve port 10 is in registration with the upper end of the discharge pipe 9 and port 8.

It has been found that it is desirable to provide soapy water for various washing operations as well as clear water, and to accomplish this result a soap receiving casing 11 is provided, and which casing surrounds the discharge pipe 9 and has disposed therein soap chips 12. Casing 11 is provided with an annular discharge port 13 which surrounds the lower end of the pipe and which is preferably provided with a screen 14 for preventing the soap chips or particles from being discharged from the casing 11. The casing 11 is threaded at 15 into a horizontally disposed cover 16 formed integral with the valve casing 1, and it will be seen that when it is desired to refill the casing 11 it will only be necessary to unscrew the same, place the chips 12 therein and then again screw the casing 11 into the cover 16. Plug valve 2 is provided with downwardly diverging discharge ports 17, in a plane at a right angle to the plane of the port 10, and which diverging ports 17 when in a vertical plane register with the diverging ports 18 of the valve casing 1 and the diverging ports 19 carried by the cover 16. Therefore it will be seen that when the ports 17 are in the position shown in Figure 2, water will be discharged into the soap chips 12, and soapy water will be discharged from the discharge port 13. Because of the diverging ports water will be projected into the casing 11 adjacent opposite sides thereof where it will percolate through the soap chips before it reaches the discharge port 13 which would not be the case if the ports were directed in the direction of the soapy water discharge port 13.

From the above it will be seen that an attachment is provided for faucets which may be easily and quickly placed thereon,

is simple in construction, and whereby clear or soapy water may be discharged as desired.

The invention having been set forth what is claimed as new and useful is:—

A valve comprising a casing, means carried by said valve casing for attaching the same to a faucet, a horizontally disposed valve rotatably mounted in the valve casing and provided with a centrally disposed transversely disposed port and with diverging ports at opposite sides of the first mentioned port, and in a plane at a right angle thereto, a member carried by said valve casing and provided with diverging ports adapted to register with the diverging ports of the rotatable valve, and a discharge pipe carried by said casing in the same vertical plane as the first mentioned valve port.

In testimony whereof we hereunto affix our signatures.

ISAAC P. CREAMER.
FREDERICK JOSEPH.