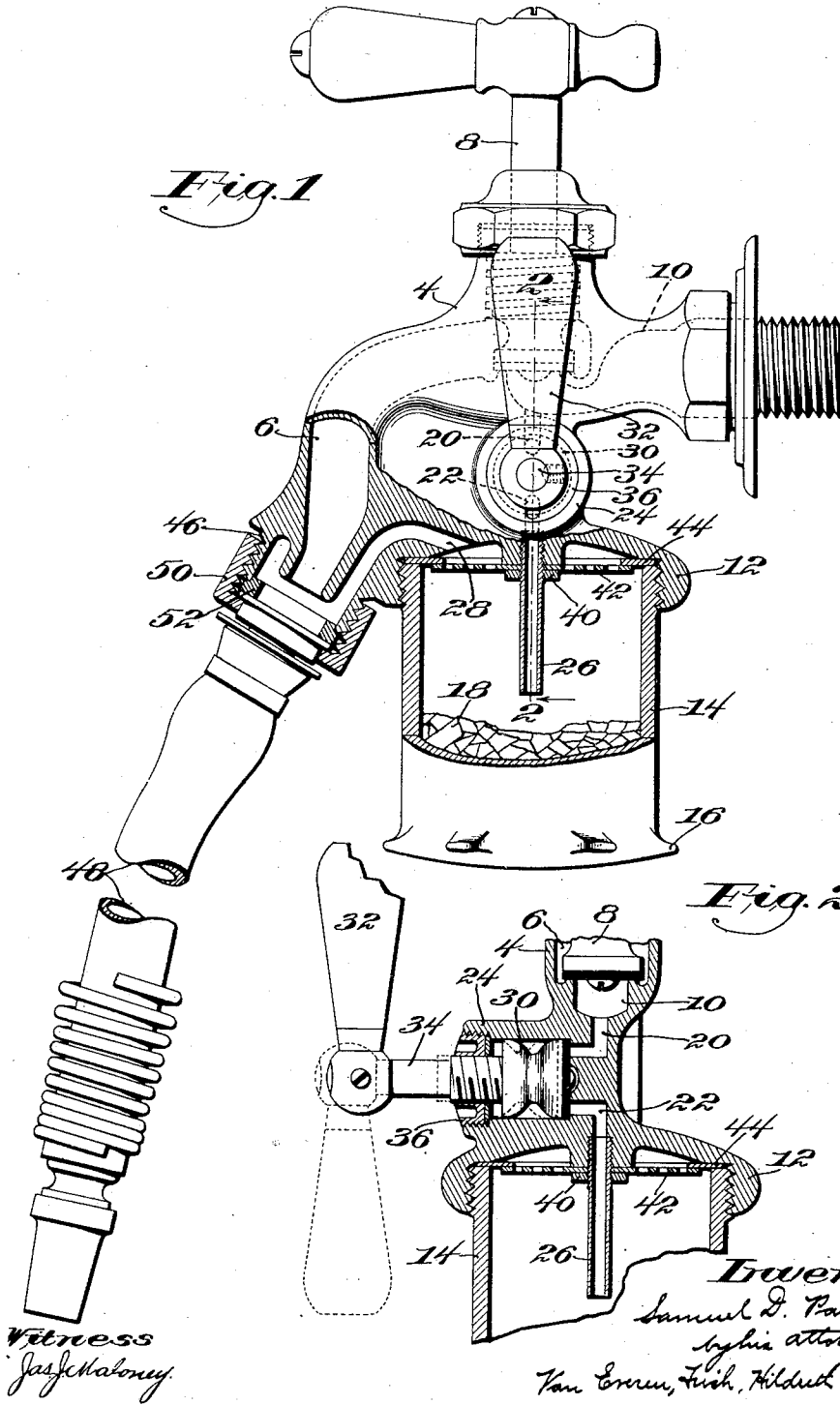


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S. D. PARKER  
WASHING APPARATUS  
Filed May 13, 1925



*Fig. 1*

*Fig. 2*

Witness  
*Jas. J. Maloney*

*Inventor*  
*Samuel D. Parker*  
*by his attorney*  
*Van Emmon, Fish, Hildreth & Cary*

# UNITED STATES PATENT OFFICE.

SAMUEL D. PARKER, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO DARLO COMPANY, OF BOSTON, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

## WASHING APPARATUS.

Application filed May 13, 1925. Serial No. 29,948.

The present invention relates to apparatus for cleansing or washing, and more particularly to apparatus of the general type disclosed in the copending application of Albert Pike, Serial No. 740,756, filed September 30, 1924, for the washing of household dishes.

The object of the present invention is to provide a faucet arranged to be used in place of the ordinary kitchen hot water faucet, of simple, compact and inexpensive construction, and adapted to deliver either soapy or clear hot water at will.

To the above end the present invention consists in the apparatus hereinafter described and more particularly defined in the claims.

In the accompanying drawings, Fig. 1 is a side elevation partly in section showing the preferred form of the invention; and Fig. 2 is a section on line 2—2 of Fig. 1.

The improved washing apparatus is for the general purpose described in the copending application above referred to for delivering either soapy or clear hot water in a plurality of small streams against the dishes, but in its preferred form it is constructed as a single integral body constituting a faucet to take the place of the usual hot water faucet. By this construction, as will presently appear, the apparatus may not only be made in a simple, compact and inexpensive form, but also of attractive design and of a type to permit convenient control of the hot water spray.

The illustrated embodiment of the invention comprises a faucet having a body 4 provided with a main water passage 6 the flow through which is controlled by the usual main valve 8. The rear portion of the passage 6 forms a supply passage 10. Integrally formed with the body 4 of the faucet at the bottom thereof is a cap, or closure, 12 having a downwardly extended internally threaded lip to receive and support a cylindrical soap container 14, which is provided at its bottom with a series of projections 16 to prevent slipping of the hand of the operator in removing or replacing it. The container is adapted to be filled with small pieces or flakes of soap, as indicated at 18.

Provision is made for diverting a portion of water from the main passage of the faucet to the soap container and thence back to the stream adjacent to the mouth of the faucet, and this is accomplished by means of branch

water passages 20 and 22 leading from the supply passage 10 directly beneath the main valve 8 through a valve chamber 24 to a tube 26 extending downwardly into the soap container, and an outlet branch passage 28 leading from the top of the container to a point adjacent the discharge end of the faucet, where it mingles with the main stream of water flowing directly through the main passage 6. Received in the valve chamber 24 is a sliding valve 30 which controls the flow of water through the passages 20 and 22 by means of a manually operated handle 32 connected with the valve rod 34, which latter is received for threaded engagement in a bushing 36 received in the side of the faucet body. The valve 30 at the limit of its right-hand movement, as viewed in Fig. 2, takes against a valve seat to close off the flow of water through the branch passages to the soap container, and when moved to the left, as shown in dotted lines, it permits passage of water through the branches 20 and 22 into the soap container and thence through the branch 28 to the mouth of the faucet, the rate of flow depending on the position of the valve in the chamber.

The pipe 26 which extends into the container is conveniently threaded into a central threaded opening, or passage, in the casing, as shown in Fig. 2 and as clearly disclosed in the above mentioned application. Threaded on the pipe 26 is a nut 40 which holds a perforated screen 42 securely in place against a washer 44 which is retained between the lip 12 and the soap container 14.

The faucet is formed with a threaded discharge end 46 for attachment with a hose 48 directly thereto, the hose being provided with the usual rotatable connector, or sleeve, 50 and a washer 52 to permit convenient attachment of the hose to the faucet.

It will be seen that the faucet is of simple construction in that, except for the container and valve parts, it may be cast as a single integral unit. The branch passages may be formed during the casting operation, or, because of their convenient location opposite openings in the faucet body, they may be subsequently bored. The connection of the branch passage 20 into the supply side of the valve 8 affords a flow of water through the branch passages under the full head or water

pressure and independent of the main flow through the passage 6, thus permitting a wide range of the soap content of the discharge by adjustment of the valve 30.

5 Having thus described the invention, what is claimed is:

1. A washing apparatus comprising a faucet for selective discharge of clear or soapy water having a body provided with a water passage having a downwardly extending outlet and a soap container closure formed integrally on the underside of the body, a soap container depending from the body and secured to the closure and adapted to contain a supply of soap to be dissolved by water diverted from the main passage, the body having branch passages extending from the main passage toward the soap container and thence outwardly from the top of the container to the downwardly extending outlet of the main passage, and a valve for controlling the flow of water in the branch passages whereby either the water may be caused to flow entirely through the main passage or a portion thereof may be diverted from the main passage through the branch passages and the soap container.

2. A faucet comprising a body having a curved main water passage with substantially horizontal and vertical portions and provided with a closure integrally formed on the underside of the body, a soap container depending from the body and detachably secured to the closure, a main valve for controlling the flow of water in the main water passage, the body being formed with branch water passages leading from the horizontal part of the

main passage downwardly to the soap container and thence outwardly from the top of the container to the vertical portion of the main passage whereby a portion of the water may be diverted from the main passage to flow downwardly into the soap container, and thence outwardly to mix with the water in the main passage, and a valve for controlling the flow of water in the branch passages.

3. A faucet comprising a body having a curved main water passage with a substantially horizontal supply portion and a substantially vertical outlet portion, a main valve for controlling the flow of water through the main passage, the body having a soap container closure formed on the underside thereof beneath the main valve, a soap container depending from the body behind the vertical outlet portion and detachably secured to the closure, the body being formed with an inlet branch water passage leading from the main water passage at a point adjacent to the main valve downwardly to the soap container, and with an outlet branch passage leading from the top of the soap container to the substantially vertical discharge portion of the main passage, a tube communicating with the inlet branch passage and extending downwardly into the soap container and discharging downwardly and centrally thereof, and a valve in the inlet branch passage for controlling the flow of water in the branch passages.

In testimony whereof I have signed my name to this specification.

SAMUEL D. PARKER.