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H. STITZ ET AL
SOAP SALVAGER AND SOAPER
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2,582,175

FIG. 1

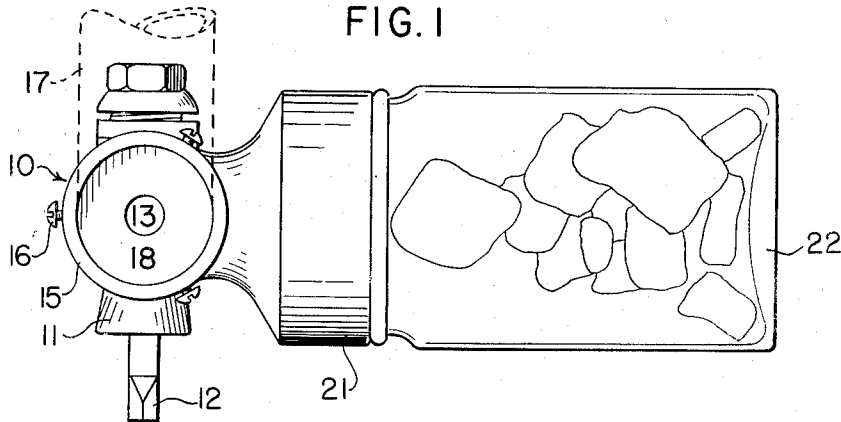


FIG. 2

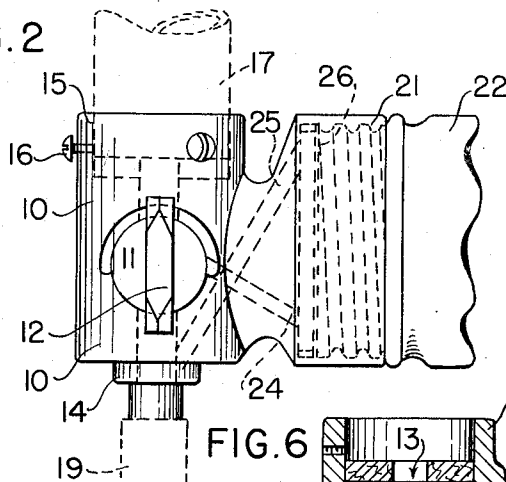


FIG. 3

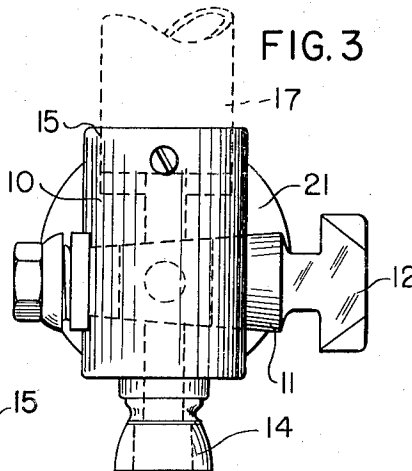


FIG. 6

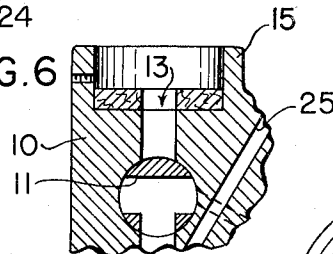


FIG. 7

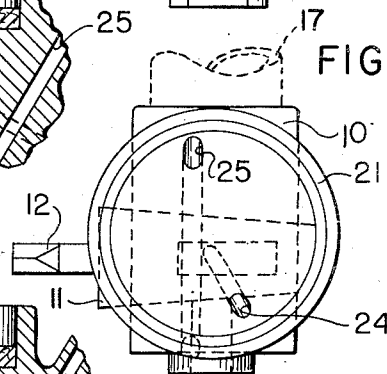


FIG. 4

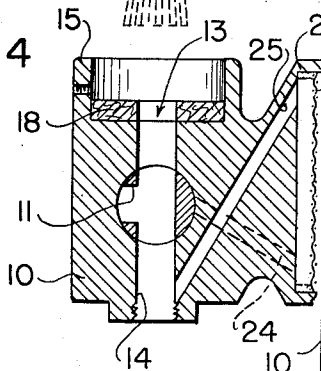
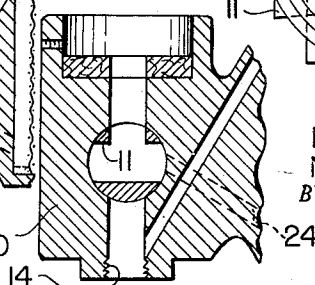


FIG. 5



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2,582,175

SOAP SALVAGER AND SOAPER

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1 Claim. (Cl. 299—84)

1

Our invention relates to apparatus used largely for washing dishes and pots and pans and using fresh water and soapy water.

The main object is to provide a device which can use soap chips or pieces which are too small for ordinary use.

We have provided a device having a soap container which can be readily attached to and detached from a valved member constituting an attachment for a water faucet either hot or cold or a combination faucet. The attachment can be provided with a valve for shutting off the water entirely or letting the water run clear or diverting the water through a soap container and thus producing a soapy solution. A flexible distributing hose with or without a scrubbing brush may be attached to the outlet of the device. The device comprises a body having a control valve and an extension for supporting a soap container.

Fig. 1 is a plan view of the device.

Fig. 2 is a side view showing the water passages in dotted lines, the container being broken away and a discharge hose attached.

Fig. 3 is an end view thereof showing the body with the water passages shown dotted.

Fig. 4 is a vertical sectional view showing the water passages, the valve being turned to permit discharge of clear water.

Fig. 5 is a similar view showing the valve in position to discharge soapy water.

Fig. 6 is a similar view with the valve in complete shut off position.

Fig. 7 is a view of the inside of the extension.

The body 10 has a valve 11 which is rotatable by means of a knob or lever 12 to control the passage of water from the inlet 13 to the outlet 14 as in Fig. 4 or shut off the water as in Fig. 6.

The body has a collar 15 with set screws 16 for securing the device to a faucet 17.

A washer 18 is provided in the collar to ensure a tight connection.

A flexible hose 19 with a brush 20 may be attached to the outlet as shown in Fig. 2.

At one side of the body is an extension having a flange 21 provided with means for securing a soap container 22 such as a screw thread or bayonet type lock. This container is preferably formed of transparent material so that the operator can tell how much soap is still left.

The body and extension are provided with two side passages connecting the main passage with the extension and container. Passage 24 leads from the valve to the lower part of the extension so that when the valve is set as in Fig. 5 water will pass through the valve and be discharged at an angle to the axis of the container and cause the water to swirl inside the soap container. The other passage 25 extends from the upper part of the extension to the outlet 14 below the valve 11 as shown in Fig. 5.

When the valve is thus set the fresh water will

2

flow into the lower part of the soap container where it will swirl among the soap chips and then pass out.

In order to prevent the soap chips from clogging the outlet 25 we provide a screen 26 in the extension. This screen may be held in place by the container when it is screwed into the flange of the extension.

Although the device is especially useful in utilizing soap scraps, it should be understood that small cakes of preformed soap may be used.

We claim:

An attachment for water faucets comprising a body having a collar portion for securement to the faucet, set screws circumferentially spaced about the collar portion and engageable with the faucet to hold the body thereon against downward displacement therefrom, a washer lying within the collar portion to prevent leakage between the end of the faucet and the body, said body having a downwardly-extending central passage and a transversely-extending opening traversing the central passage, an extension projecting from one side of the body having an internally threaded flange, a soap container threaded in the flange and extending laterally therefrom, a plug valve element rotatable in the transversely-extending opening and having a three-way opening, a knob on the valve element aligned with the long portion of the three-way opening and adapted to give indication of the water flow through the attachment, said body and extension having a passage extending from the upper part of the extension to the lower end of the central passage of the body and another passage running from the transversely-extending opening to the lower part of the extension, both of said passages being in communication with the soap container and a screen in the extension for holding back soap in the container.

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