Feb. 8, 1927. 1,617,066

S. W. LUSH

MEANS FOR DECANTING LIQUIDS FROM METAL CONTAINERS

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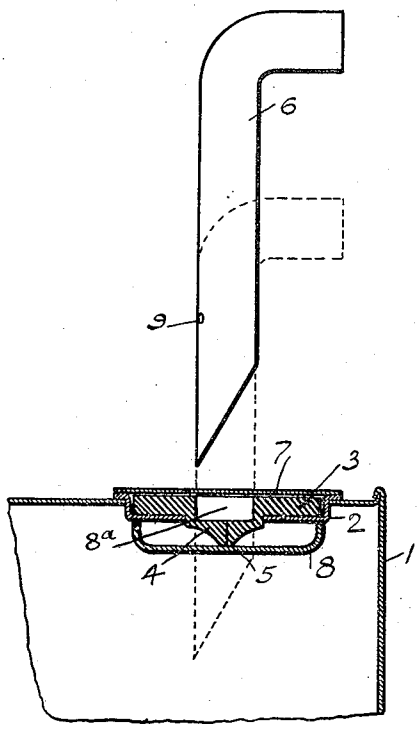


FIG. 1

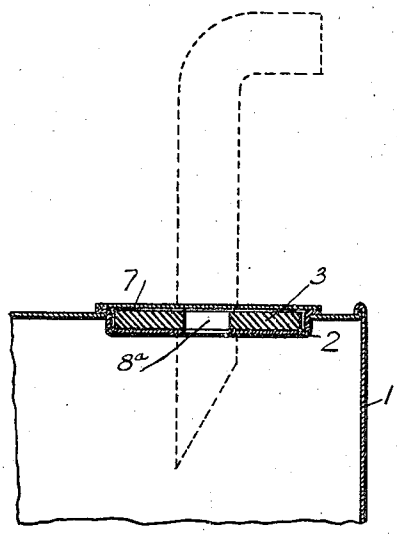


FIG. 2

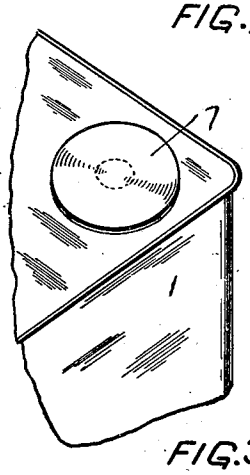


FIG. 3

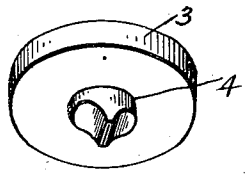


FIG. 4

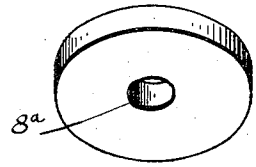


FIG. 5

STUDLEY WOOLCOTT LUSH
INVENTOR
By
his ATTORNEY

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UNITED STATES PATENT OFFICE.

STUDLEY WOOLCOTT LUSH, OF SYDNEY, NEW SOUTH WALES, AUSTRALIA.

MEANS FOR DECANTING LIQUIDS FROM METAL CONTAINERS.

Application filed November 3, 1925, Serial No. 66,476, and in Australia September 18, 1925.

This invention relates to means whereby liquids carried in metal containers may be readily decanted therefrom. The said means are especially applicable for decanting benzine, kerosene, lubricating oils, or like liquids from the metal containers thereof.

Said means comprise a housing of any suitable construction or design which is soldered or otherwise suitably attached to the container in any convenient position, but preferably to the head thereof. Such housing is adapted to carry therein a rubber or like ring or disc or the like having an opening therein.

A nozzle or spout of any suitable construction and of any suitable material is adapted to be inserted into the housing and through the opening in the rubber or like ring or disc or the like. If required the nozzle or spout may be furnished with a sharpened end whereby it may be utilized as a piercing tool for making an opening or openings in the housing.

Referring to the accompanying drawings in which embodiments of the invention are illustrated, Fig. 1 is a view illustrating one embodiment of the invention applied to a container with associated piercing tool; Fig. 2 a view illustrating another embodiment of the invention; Fig. 3 a view showing a container with perforatable closure means thereon; and Figs. 4 and 5 views of elastic means usable in connection with the invention.

With reference to Fig. 1 the metal container 1 may be of any suitable construction. To it is attached in any preferred manner the cap 2 designed to carry the rubber or other elastic ring 3 or the like. Said elastic means may have formed integral therewith the nipple 4 which is slitted at 5 to enable the pour spout 6 or the like to be inserted therethrough when an opening is made in the cover plate 7 which may be of thin metal. In the ring 3 or the like is an opening 8^a for the passage therethrough of the spout 6.

The spout 6 may be of any suitable design; it is open ended, and preferably one end of it is sharpened to adapt it as a piercing device for making an opening in metal.

Should it be desired to preserve the nipple 4 or the ring 3 from any deleterious action of the contents of the container 1 the shield cup 8 or the like may be provided. Such cup 8 may be attached to the cap 2 or to the container 1 in any suitable manner. The ring 3 and nipple 4 may be formed integral or otherwise.

In Fig. 2 a modification of the means shown in Fig. 1 is illustrated, in which the ring 3 is shown constructed without the nipple 4 and the shield 8 is dispensed with. The ring 3 as shown in Fig. 2 is illustrated separately in Fig. 5.

A metal container with cover plate 7 attached thereto is shown in Fig. 3, the said plate being ready for piercing by means of the spout 6 or otherwise. The spout 6 may have in its wall at any convenient position therein a small hole 9 through which liquid in the container 1 may be drained when the spout 6 is supported in the said container and the latter is inverted.

When the contents of the container 1 are to be decanted therefrom it is only necessary to make an opening in the cover plate 1 by means of the spout 6 or otherwise, or in addition to make openings in the cap 2 (Fig. 2) and also in the shield 8 (Fig. 1) if the latter is provided. Upon making such openings the spout 6 is passed through the openings in the ring 3 and nipple 4. Said ring and nipple being of elastic material serve to securely hold the spout 6 in proper position in relation to the container 1 whereby the contents of the latter may be poured or decanted therefrom when the said container is tilted to allow its contents to flow through the said spout 6.

Upon withdrawal of the spout 6 the nipple 4 may by its resiliency serve as a closure to the container 1.

What I claim as my invention and desire to secure by Letters Patent is:—

1. A receptacle having a filling opening and a housing for said opening and a resilient gasket arranged within the housing and provided with a nipple projecting through an opening in one wall of the housing, in combination with a spout adapted to be forced through the housing, gasket and nipple and to be gripped by the gasket, said nipple being disposed to return to its initial position upon withdrawal of the spout to close the passage formed by the entrance of said spout.

2. A receptacle having a filling opening and a housing for said opening, comprising a cap held by the receptacle, and having a center opening, a resilient gasket arranged in the cap and provided with an opening

to correspond to the opening in the cap, said gasket being further provided with a split nipple closing one end of said opening and projecting through the opening in the housing, a cover plate for the cap, in combination with a spout adapted to be forced through the cover plate, opening in the gasket and through the nipple to open a passage from the interior of the receptacle, said nipple being adapted to close the passage upon withdrawal of said spout from the housing.

3. A housing for a receptacle, as claimed in claim 2, including a shield plate arranged over the end of the nipple and secured to the said housing, substantially as described.

In testimony whereof I affix my signature.

STUDLEY WOOLCOTT LUSH.