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 DEVICE FOR DRAWING LIQUIDS FROM CLOSED RECEPTACLES.
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933,161.

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Fig. 1

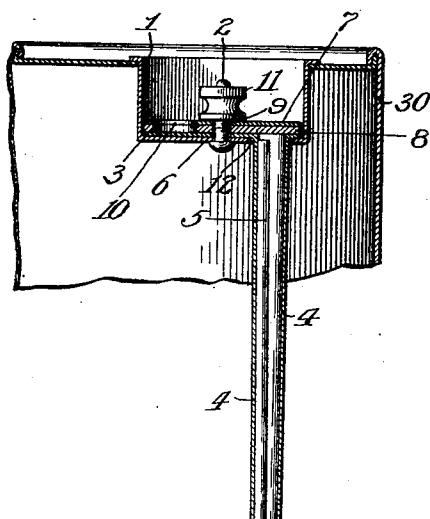


Fig. 2.

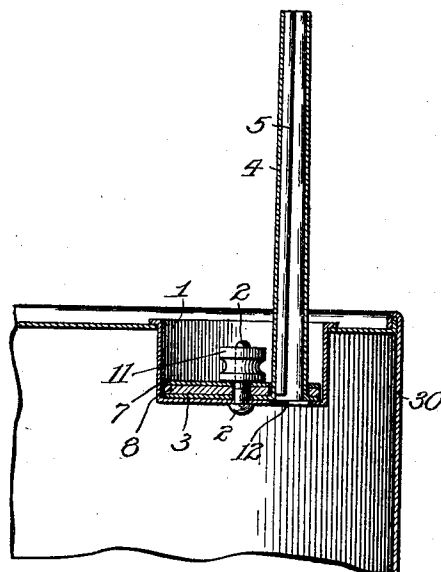


Fig. 3.

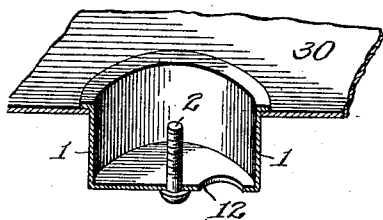


Fig. 4

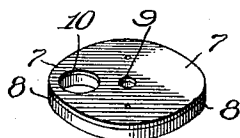
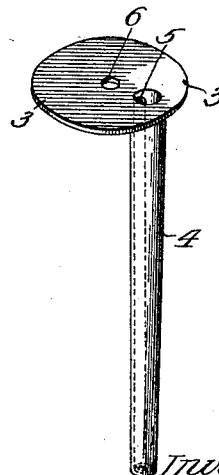


Fig. 5.



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DEVICE FOR DRAWING LIQUIDS FROM CLOSED RECEPTACLES.

933,161.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE HENRY CREASE-WILLIAMS, a subject of the King of England, and resident of No. 329 Calle Cangallo, in the city of Buenos Ayres, Argentina, merchant, have invented certain new and useful Improvements in Devices for drawing Liquids from Closed Receptacles, of which the following is a specification.

This invention relates to improvements in reversible spouts adapted for use in connection with receptacles such for instance as oil cans and the like wherein it is desired to maintain the receptacle tightly closed except when it is desired to draw off the contents thereof.

This invention relates to an improved means of attaching a spout to a can or like receptacle in reverse position, namely for pouring and closing the can, and it also has to do with an improved form of spout provided with means for affording a suitable vent or ingress of air to the can or receptacle when the contents thereof are being withdrawn.

The invention has other objects and features which will be more fully described in connection with the accompanying drawings and will be more particularly pointed out and ascertained in and by the appended claims.

In the drawings:—Figure 1 illustrates a vertical sectional view of the device of my invention applied to a receptacle which latter is shown in section and broken away, a spout and attachment being illustrated in the position assumed when the receptacle is closed. Fig. 2 is a similar view illustrating the parts in the position shown when it is desired to draw off the contents of the receptacle. Fig. 3 is a detail perspective view in section of a portion of the receptacle and the spout support. Fig. 4 is a detail view of a closure which is shown in the form of a washer. Fig. 5 is a detail perspective view of the improved form of spout.

Like numerals of reference designate similar parts throughout the different figures of the drawings.

First referring to the form shown in Figs. 1 to 5 inclusive 30 designates the receptacle or can which is provided with a spout support 1. The support 1 may as shown consist of a separate piece secured to the can 30 and is preferably sunk or de-

pressed therein so that when the can is closed all parts of the device will be located below the top of the can thereby facilitating packing and shipment thereof. The spout support 1 is preferably cylindrical in form and may be provided with a flange overhanging the upper wall of the can 30 so as to be soldered or otherwise secured thereto. The support 1 is provided with a spout receiving or discharge opening 12 adapted to receive the spout when the latter is closed and projecting into the receptacle, and serving as an outlet for the contents of the receptacle when the spout is in the position shown in Fig. 2. Fastening means is provided which as shown may consist of a screw 2 secured to the bottom of the support 1 and provided with a suitable form of nut 11.

The spout, as shown, consists of an elongated tubular body 4 preferably provided with a base 3 secured thereto. The bore of the spout is continued through the base, as shown in Fig. 5, so as to provide an outlet passage for the contents of the receptacle. An opening 6 is provided in the base 3 to receive the screw 2 and the base 3 is preferably concentrically disposed within the support 1 by being centered therein upon the screw 2 so that the base and spout may be rotated or adjusted in the support 1, from a closed to an open position or vice versa with respect to the opening 12. In other words the device of my invention is designed so that when the spout is in the position shown in Fig. 2 the receptacle may be either closed or opened to the outer air.

A closure is provided preferably in the form of a washer for tightly clamping the spout base 3, upon support 1 so as to prevent leakage from the discharge opening 12 in any position to which the spout may be adjusted. As shown said closure consists of a metallic portion 7 and a cork portion 8 although I do not wish to be limited to these specific materials. The metallic and cork portions are united and provided with an opening 9 to receive the screw 2 and an opening 10 through which the spout 4 may project when in a draw-off or pouring position, as shown in Fig. 2.

In order to avoid locating the vent in the receptacle 30 or in other parts where a vent closure would be necessary to close the vent when the spout is not in position the invention includes an improved form of spout

which is provided with means for providing suitable vents for air ingress to the receptacle to permit the contents thereof to be withdrawn. As shown the spout 4 is divided into two passages and preferably the vent passage is formed by providing a tube 5 which practically extends throughout the length of the spout 4. It will be understood that I do not wish to be limited to the provision of a tube 5, except for such limitations as the claims import. It will be readily seen by reference to Fig. 2 that when the can is inclined air may freely pass through the tube 5 into the can in a manner to permit an effective out-flow of the contents thereof. When the spout is in the position shown in Fig. 1 it will be seen that the vent is not in communication with the outer air and that the closure 7 completely seals the receptacle.

In order to reverse the spout 4 from the position shown in Fig. 1 to the position shown in Fig. 2 the nut 11 is removed from the screw 2 to permit the closure to be withdrawn whereupon the spout is removed and reversed to the position shown in Fig. 2. Thereafter the closure is disposed in a manner to cause the opening 10 to register with the spout and it is lowered thereon until it reaches the base 3, whereupon the nut 11 is turned down so as to securely hold the spout in place. It will be readily seen that if it is not desired to reverse the spout 4 when the user wishes to close the receptacle, the spout 4 may be turned out of register with the discharge opening 12 so that the imperforate portion of the base 3 will cover the discharge opening 12 whereupon the nut 11 may be turned down so as to securely seal the receptacle.

I claim:—

1. A device of the class described compris-

ing in combination; a receptacle provided with a spout support apertured at one side of the center thereof, a reversible spout adapted to register with said opening and be inserted therethrough respectively in reverse positions, a base for said spout projecting laterally thereof, and means centrally disposed with respect to said base and support for anchoring said spout in reverse positions on the latter.

2. A device of the class described comprising in combination, a receptacle provided with a circular spout support eccentrically apertured, a reversible spout adapted to register with said aperture and be inserted therethrough respectively in reverse positions, a circular base for said spout eccentrically disposed with respect thereto, and means centrally disposed with respect to said base and support for anchoring said spout in reverse positions on the latter.

3. A device of the class described comprising in combination, a receptacle provided with a spout support eccentrically apertured, a reversible spout adapted to register with said aperture when in an open position and adapted to be projected therethrough when in a reverse or closed position, an eccentrically mounted base for said spout, a washer provided with an aperture for receiving said spout when in an open position and engaging said base and provided with a concentrically disposed aperture, and means centrally disposed with respect to said support, base and washer for anchoring said spout in reverse positions on said spout.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE HENRY CREASE-WILLIAMS,

Witnesses:

ADOLFO HAUSHOR,

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