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WIRE HOLDER FOR PRESSURE-ACTUATED CANISTERS

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2 Claims. (Cl. 222—323)

The object of the invention is to provide improvements in holders for pressure-actuated canisters, and especially in a holder for such canisters that involves probably the lowest possible cost of manufacture, and which as it comprises the minimum number of relatively movable parts, offers potentially the lowest possible chance of becoming out of order and resulting need of readjustment.

Another object is to so construct such a simple form of canister holder, that it can be quickly attached to and as quickly detached from the well known type of canister now in such wide use, and which as a result of its extremely low cost of manufacture makes it possible to give it away as a premium in advertising and advancing the sale of a product, such as is adapted for application from a pressure canister.

A further and more specific object is to provide a holder of this class, which is readily formable from ordinary heavy gauge wire, and essentially comprises a depending reversely curved looped section adapted to fit and be closely gripped by the hand of the user, a forwardly projecting section having a reversely rounded end portion provided with one or more swaged lugs for resiliently engaging the upwardly projecting reduced top of such a canister, and an angular actuating member that comprises a central portion pivotally secured by a rivet or the like to the rear portion of said forward section, a depending manually engageable end portion and a forwardly extending end portion adapted to bear against and depress the usual valve controlling plunger of a canister, to permit the escape of such portion of said canister's contents as may be desired, as long as said manually engageable portion is shifted rearwardly by a finger of the hand that grips said looped portion.

With the objects thus briefly stated, the invention comprises further details of construction and operation, which are hereinafter fully described in the following specification, when read in conjunction with the accompanying drawings, in which Fig. 1 is a side elevation of a device comprising one embodiment of the invention operatively attached to and supporting a canister containing some fluid or liquid under internal pressure; and Fig. 2 is a top plan view of the same.

Referring to the drawings, one embodiment of the invention is shown as comprising a stout wire of relatively heavy gauge, and essentially consisting of a hand-engageable, diagonally directed, depending looped section composed of a pair of substantially parallel inner and outer portions 1 and 2, connected together at their lower ends by a transversely extending portion 3. The upper end of the outer section 2 is directed horizontally at 4

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to substantially close said loop, and thence merge into an upwardly and then downwardly directed, inverted V-section 5, forwardly of which extends the integral portion 6, that terminates in a reversely curved hook position 7.

In this hook portion is normally inserted the uppermost reduced closure 8 of an enlarged pressure-actuated canister 9, that in present practice is characterized by an intermediate cylindrical portion 10, which is connected to the larger base portion of said canister by a conical portion 11, and to said closure by a conical portion 12. The inner surface of the looped portion 8 of said holder is preferably provided with a pair of radially inwardly directed swaged lugs 13, which are intended to fit snugly beneath said closure 8 and to yieldingly prevent the accidental escape of said canister from said holder, the distance between said lugs being slightly less than the corresponding diameter of the under side of said closure.

Pivotally secured by means of a rivet 14 or the like to the inverted V-section 5 of said holder is a flattened intermediate portion 15 of an angular trigger element, that upon one side comprises a depending, manually engageable terminal portion 16 engageable by a finger of the hand of one who is grasping said holder, while forwardly of said such rivet said trigger element comprises an actuating arm 17, that normally presses lightly upon the usual flow-controlling plunger 18 of said canister, so that when and as long as said terminal portion is held rearwardly said arm depresses said plunger, and thereby permits the escape of such portion of the contents of said canister as may be desired.

Having thus described our invention, what we claim and desire to protect by Letters Patent of the United States is:

1. An all-wire holder and actuator for canisters containing fluids under pressure that have a discharge orifice normally closed by an element that is positioned yieldingly outwardly, comprising a member having a reversely looped depending handle portion, and a forwardly extending substantially J-shaped hook portion adapted to yieldingly receive in its hooked end the discharge end of a pressure canister, in combination with an initially separate relatively movable substantially L-shaped member pivotally connected adjacent to its angular mid-section to the forwardly extending portion of said first member, and itself comprising a depending manually engageable portion generally paralleling said handle portion, and a forwardly extending terminal portion in engagement with the closure element of such canister, so that shifting of said trigger portion towards said handle portion causes said forward portion to depress such closure element and permit the escape of the canister's contents.

2. An all-wire holder and actuator for canisters containing fluids under pressure according to claim 1, in which said forwardly extending J-shaped portion is provided with at least one radially inwardly projecting swaged lug operative to engage and yieldingly prevent the accidental removal of a canister therefrom.

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