July 5, 1938. H. U. MITCHELL 2,122,533

SPRAY GUN CONTAINER HOLDER

Filed Dec. 5, 1936

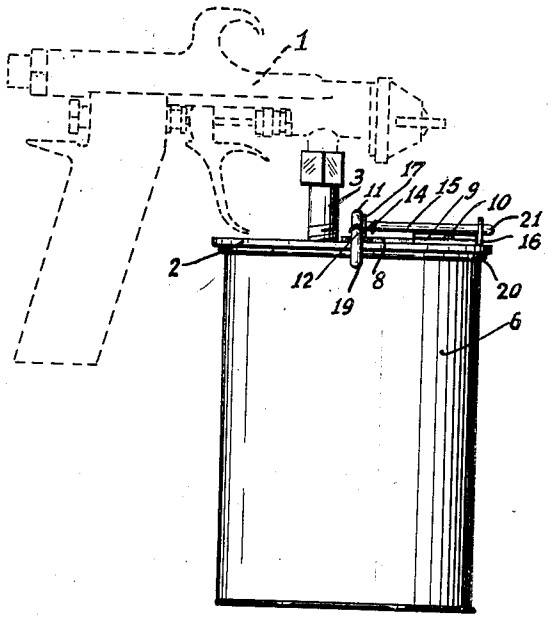
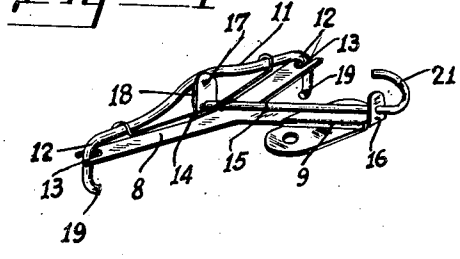


Fig. 2

Fig. 1



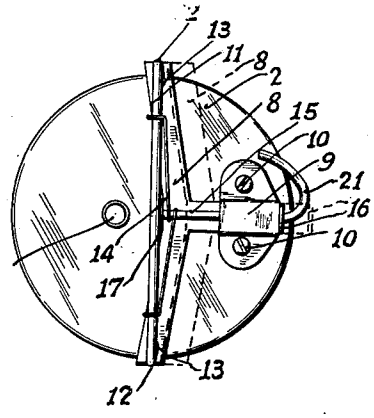


Fig. 3

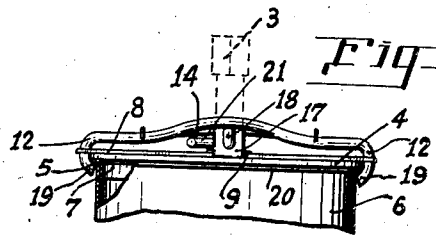


Fig. 4

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SPRAY GUN CONTAINER HOLDER

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Application December 5, 1936, Serial No. 114,305

2 Claims. (Cl. 220—57)

My invention relates to spray guns and is particularly adapted to hold the container for the material to the gun.

The primary object is to provide clamping means for clamping a liquid container to a spray gun.

Another object of my invention is to provide a clamp that will hold any liquid container having a bead around its upper end tightly under a lid formed as part of a spray gun.

A still further object of the invention is to be able to use empty cans such as quart oil cans in which motor oil is commonly sold, etc., in connection with spray guns wherein the base of the gun forms the lid and support for this particular type can, both the gun and the can being clamped together by downwardly extending clamp from the base of the gun, said clamp gripping under the upper bead of the can.

These and other incidental objects will be apparent in the following specification and claims.

Referring to the drawing:

Fig. 1 is a perspective plan view of preferred form of clamping means for securing spray gun to material container which has bead around its upper portion.

Fig. 2 is a side elevation of the base of a spray gun having one of my new and improved clamps thereon holding a liquid container to said base, the gun itself is shown in dotted position.

Fig. 3 is a plan view of the base of the spray gun having clamping means attached thereto.

Fig. 4 is a side elevation of the base of the spray gun, clamp and upper part of the container partially broken away for illustration.

In the drawing:

The spray gun is indicated in dotted position by numeral 1 having a base 2. The base 2 is connected to the spray gun by the usual nipple 3. The base has a flange 4 for contacting the gasket 5 adjacent to the top of the container 6. The base extends down into the container 6 as shown at 7. This centers the can relative to the base 2. A T shaped frame 8 is slidably mounted within the bracket 9, the bracket 9 is fixedly positioned to the base by fastening means such as screws 10. A clamping bar 11 having downwardly extending legs 12 is held in position relative to the T frame 8 by the downwardly extending legs 12 working within the notched ends 13 of the frame 8. The clamping bar 11 is held downwardly towards the frame 8 by the spring 14, the spring 14 is journaled about the operating bar 15, the shaft 15 is journaled within the upwardly extending legs 16 and 17 of the frame 8. A crank 18 contacts the underside of the clamping bar 11 best shown in Figure 4. A crank 21 is also provided at the opposite end of the operating bar 15 for the purpose of manipulating the crank 18.

The downwardly extending legs 12 are turned inwardly at 19 for engaging the bead 20 on its underside, said bead 20 forming the upper part of the container 6.

As stated before, the primary object of this invention is to adapt a spray gun and its base to any discarded can having a bead around its upper portion, this bead is found on oil cans and all kinds of cans such as contain food stuff and the like. This type of can having this bead adapts itself to a clamping system such as I am herein claiming.

Referring to Figure 3, the frame 8 is placed in dotted position positioning the downwardly extending legs 12 off-center the base, permitting the can 6 to be placed up underneath the base after which the frame 8 is pushed over to the full line position. The crank 21 of the operating bar is revolved causing the crank 18 to raise the clamping bar 11 causing the inwardly extending posits 19 of the legs 12 to grip and pull the bead 20 snugly up underneath the gasket 5 of the base of the spray gun, thereby making a tight connection between the base of the spray gun and the container 6.

Having thus described my invention I do not wish to be limited to this particular type of construction as other forms of embodiment may be resorted to still coming within the scope of the claims to follow.

What I claim is:

1. A means for clamping a spray gun base to a container for which the base serves as a cover, said means including a bracket to be secured to the base, a T-shaped frame slidable horizontally in the bracket, a clamping bar movable in the frame in a direction at right angles to the base, the terminals of the bar being formed to engage cooperating means on the container, an operating bar rotatable in the frame, a crank on one end of the bar to engage and move the clamping bar in a direction to cause its terminals to engage the cooperating means on the container, and a spring for moving the clamping bar to an inoperative position when free of the influence of the crank.

2. A means for clamping a spray gun base to a container for which the base serves as a cover, said means including a bracket to be secured to the base, a T-shaped frame slidable horizon-

tally in the bracket, said frame including a cross-bar overlying the base and extending substantially diametrically thereof, the terminals of the cross-bar being formed with notches, a clamping bar overlying the cross-bar and having its end portions passing through the notches in the cross-bar and extended below the cross-bar as clamping terminals, an operating bar supported for rotary movement in the T-shaped frame, one end of the operating bar underlying the clamping bar and having a lateral terminal to engage and elevate the clamping bar and thereby its clamping terminals when the operating bar is turned into a definite position, and means for causing the clamping bar to move downwardly relative to the base when the operating bar is turned into another position, said operating bar serving as a means to move the T-shaped frame longitudinally of the bracket to cause the clamping terminals of the clamping bar to occupy a position for clamping engagement with the cooperating means on the container or a position free of such clamping cooperation.

HAROLD U. MITCHELL.