Oct. 14, 1952 F. A. HOFFMAN 2,613,860

HOLDER AND CARRIER FOR CONTAINERS

Filed Jan. 22, 1951

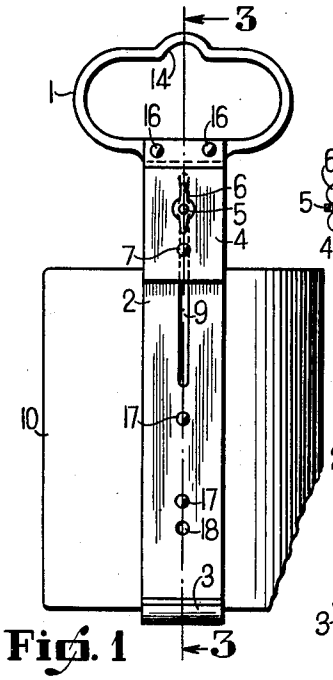


Fig. 1

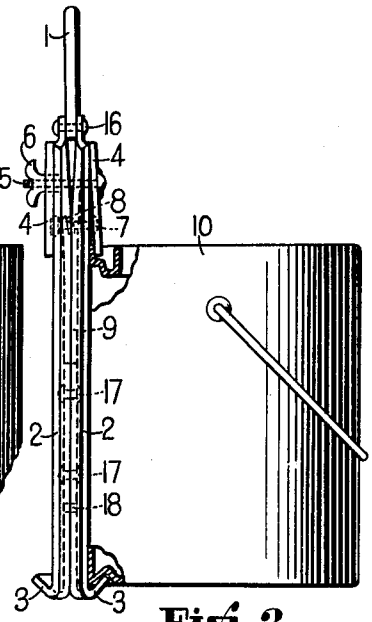


Fig. 2

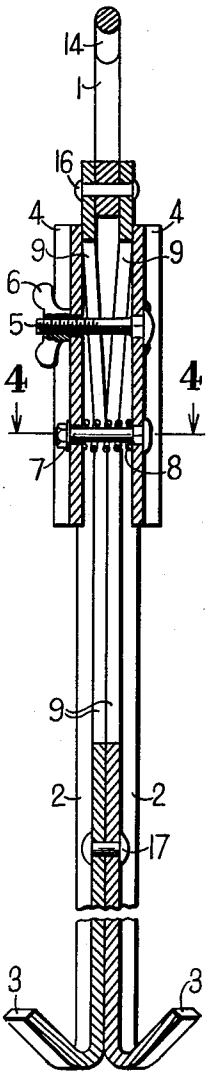


Fig. 3

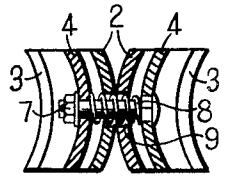


Fig. 4

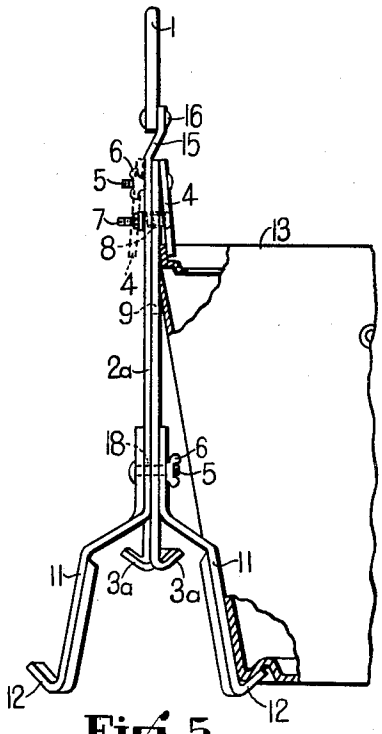


Fig. 5

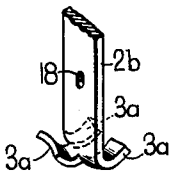


Fig. 6

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HOLDER AND CARRIER FOR CONTAINERS

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Application January 22, 1951, Serial No. 207,193

1 Claim. (Cl. 224—45)

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My invention relates to a new and improved holder and carrier for containers, especially those used by painters, although it may also be used for waste paper receptacles which are without handles.

The object of my invention is to provide an easily grasped handle and one which gives easy access to the container, this not being prevented although it may be tilted.

These and other objects are accomplished by the means shown in the accompanying drawings, fully set forth in the following description, and more particularly pointed out in the claim.

In the drawings:

Fig. 1 is a front elevation of my device as applied to a container.

Fig. 2 is a side elevation of the same.

Fig. 3 is a section on line 3—3 of Fig. 1, looking in the direction of the arrows, but the container being omitted.

Fig. 4 is a section on line 4—4 of Fig. 3, looking in the direction of the arrows.

Fig. 5 is a side elevation, similar to Fig. 2, of a modification.

Fig. 6 is a view of a portion of another modification.

In Fig. 1 is shown a handle 1 for carrying the container or hanging it upon a nail or spike, a recess 14 being provided for this purpose. To this handle are attached two similar straps 2 by means of a pair of rivets 16 at their upper ends and another pair 17 at lower points. It will be seen from Figs. 2 and 3 that these straps are spaced at their upper ends by the inserted handle 1, but begin to converge immediately below it until they come in face to face relation, this being also clearly shown by Fig. 4. It will also be seen from this last figure that these strips are arcuate in cross-section to conform more clearly to the wall of a cylindrical container. It will be seen from Figs. 1 to 4 that the bottom of each of these strips has a flange 3 inclined upwardly at an angle of about 45 degrees.

To the outer face of each strip 2 is fastened a clamp 4, the attachment being by means of a bolt 5 and wing nut 6, and also below this by a bolt 7 with its nut, this bolt being encircled by a coiled expansive spring 8. The bolts 5 and 7 pass through both plates 2 and both clamps 4, the openings through the plates 2 being in the form of longitudinal slots 9 which allow of considerable adjustment of the clamps to accommodate containers of varying size. The head of the bolt 5 is welded to its adjacent clamp 4 to facilitate assembly.

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The use of the device is obvious from Figs. 1 and 2. The holder is so applied to the container that one strap 2 bears upon the container's cylindrical surface with the upturned flange 3 engaging the usual ridge formed by the union of the circular bottom and cylindrical side wall. The expansive spring 8 causes the clamp 4 to stand away at its lower end from the strap 2, so that this clamp may pass over the circumferential flange usually formed at the upper end of a container by the union of the top and the side wall. By screwing up the wing nut 6, the clamp 4 can be made to tightly grip the circumferential container flange between it and the strap 2. The elongated slot 9 permits the necessary longitudinal adjustment.

The provision of duplicate straps 2 and clamps 4 allows two gripped containers to be carried by one handle.

In Fig. 5 is shown a modification to adapt the carrier for use with a bucket which has its circumferential wall inclined. Here at the bottom of the strip 2*a* are secured a pair of duplicate brackets 11 by a bolt 5 and nut 6 similar to those used in the first form with gripping flanges 12 on a portion of each which is offset from its strap engaging portion to provide for the inward inclination of the bucket wall. Also in this modification I employ but one strap 2*a*, which for this purpose is offset at 15 to receive the handle 1. The bolt 5 holding the two brackets 11 passes through a hole 18 in the strap 2*a*. In this modification the clamps 4 and bolts 5 and 7 and spring 8 at the top and the slot 9 are exactly as in the first form.

In the modification shown by Fig. 6 one strap 2*b* is used for one pair of cylindrical containers such as cans instead of the buckets of Fig. 5. Here the strap 2*b* has at its bottom a pair of flanges 3*a* inclining at about 45 degrees in one direction and a similar flange 3*a* between the other two and inclining at about 45 degrees in the opposite direction.

The single strap form of either Fig. 5 or 6 is simpler than the double strap form shown by the first four figures, but is not so strong.

It is obvious that the brackets 11 may be applied to the double strap form of the first four figures, as holes 18 are provided for this purpose. This adapts the double strap form for use with buckets.

Having thus described my invention, I claim:

A device of the character described comprising a vertically extending strap, a carrying handle affixed to the upper end of said strap, a pair of

clamp plates each disposed upon an opposite face of said strap adjacent the upper end thereof, said strap having a longitudinal slot in the upper portion thereof, a pin affixed to one plate and extending slidably through said slot and the other plate, a compression spring surrounding said pin and bearing against the inner sides of said plates, a nut at the free end of said pin, a bolt affixed to one of said plates in spaced relation above said pin and extending through said slot and said other plate, a wing nut threaded upon the free end of said bolt, the lower end of said strap being centrally and vertically split into a pair of sections, and a pair of opposed upwardly extending hooks each formed by one of said sections.

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The following references are of record in the file of this patent:

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