Sept. 11, 1928. 1,683,772

W. L. GIBSON

DEVICE FOR HANDLING CONTAINERS

Filed June 30, 1927

Fig. 1.

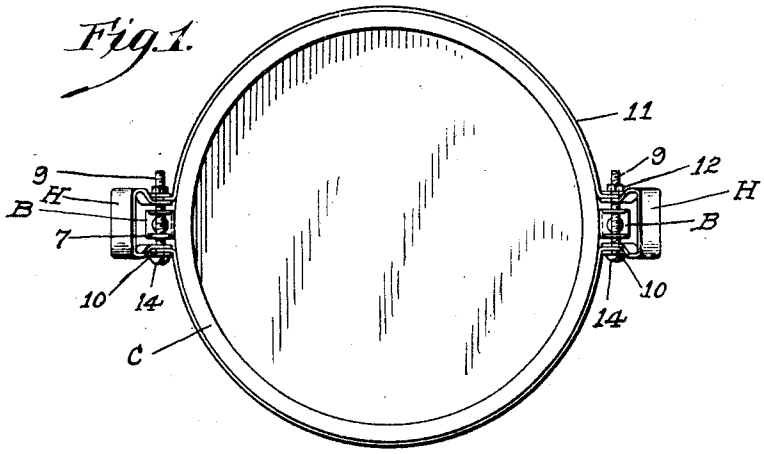



Fig. 2.

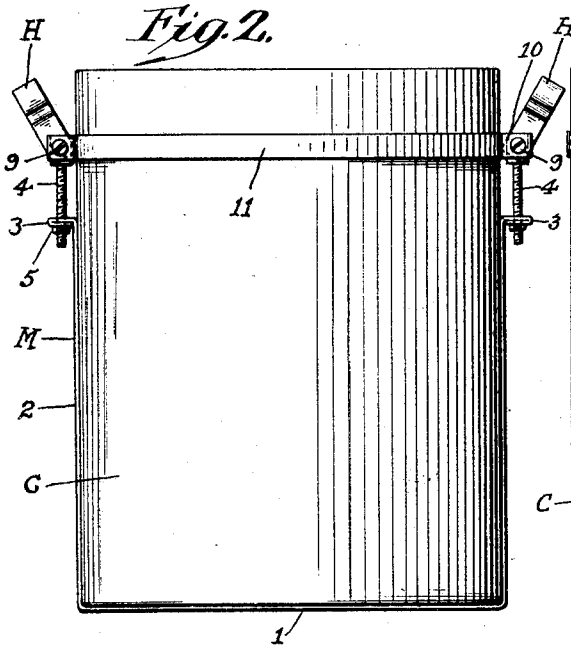



Fig. 3.

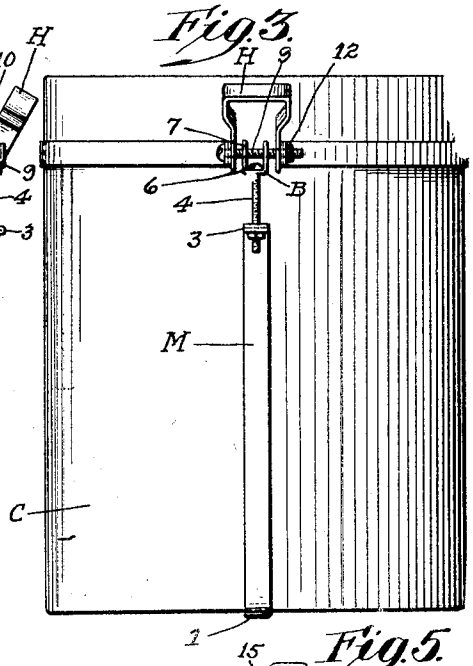



Fig. 4.

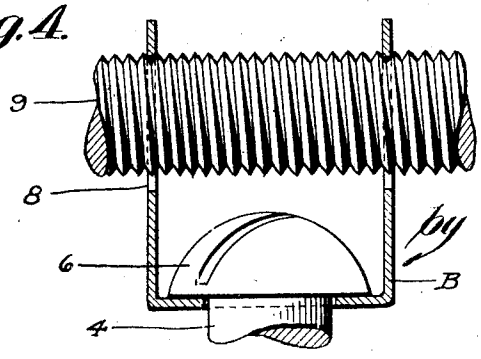
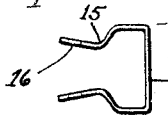



Fig. 5.




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# UNITED STATES PATENT OFFICE.

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## DEVICE FOR HANDLING CONTAINERS.

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This invention relates to a device for handling containers and it is an object of the invention to provide a device of this kind constructed in a manner whereby it may be readily applied to a container in a manner permitting lifting and other handling of the container and more especially when under load.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved device for handling containers whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawing, wherein:—

Figure 1 is a view in top plan illustrating a handling device constructed in accordance with an embodiment of my invention in applied position;

Figure 2 is a view in side elevation of the structure as illustrated in Figure 1;

Figure 3 is also a view in side elevation of the structure shown in Figure 1 but substantially on a quarter turn with respect to Figure 2;

Figure 4 is an enlarged fragmentary view partly in section and partly in elevation illustrating in detail a connection between the weight carrying member and upper clamps as herein embodied.

Figure 5 is a view in plan of the handle member unapplied.

As herein disclosed, my improved handling device comprises the weight carrying member M substantially U-shaped in form and including an intermediate or base member 1 upon which a container C is directly rested, said member 1 being disposed preferably radially under the bottom of the container C. The member M also comprises the side members 2 extending upwardly along opposite sides of the container C and terminating at their upper or free extremities into laterally disposed rebent flanges or lugs 3.

Disposed from above through each of the flanges or lugs 3 is an elongated headed member or bolt 4 and threaded upon said member or bolt 4 is a nut 5 adapted to have contact from below with the flange or lug 3.

The member or bolt 4 is also disposed through the central portion of a substantially U-shaped bracket B which engages from below with the head 6 of the member or bolt 4.

The side members 7 of the bracket B are provided with the openings 8 through which is directed an elongated bolt 9. The upper marginal portions of the side members 7 of the bracket B engage within the threads of the bolt 9, as illustrated in Figure 4, whereby said bracket B is effectively held against shifting movement lengthwise of the bolt.

This bolt 9 is also disposed through outstanding ears 10 carred by the adjacent end portions of the clamping members 11. These clamping members 11 engage the upper portions of a container C at opposite sides thereof and are directed circumferentially around the container.

Each of the bolts 9 has threaded upon an end portion thereof a nut 12 engaging an ear 10 from without while the head 14 of the bolt engages from without the adjacent ear 10 so that upon requisite turning movement of the nut 12, the clamping members 11 are brought into proper engagement with the upper portion of the container C.

Coacting with each of the bolts 9 is a handle member or hand grasp H, the same being substantially U-shaped in form with its side members 15 adjacent their free extremities provided with openings 16 through which a bolt 9 is directed. The side members 15 of a handle member or hand grasp H are arranged outwardly of the associated applied bracket B and contacting with the adjacent ears 10 from within.

As illustrated in Figure 5, the free end portions of the handle member or hand grasp H are initially arranged in divergence and as the nut 12 of a bolt 9 with which said member H is engaged is tightened, said member H will be maintained normally in a substantially fixed position and preferably on the angle indicated in Figure 2.

My improved handling device is intended for use with crocks, pots, kegs, jars and any other type of container and provides means whereby the container to which the device is applied may be readily lifted and otherwise handled with convenience and facility. In

handling kegs in the ordinary manner it is well known there is always a liability of splinters entering the hands and in the conventional manner of handling glass jars, crocks and the like there is always the possibility of the hands slipping and more particularly when such container is under load. With the use of my improved device these disadvantages are overcome.

From the foregoing description it is thought to be obvious that a device for handling containers constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:—

1. A device for handling containers comprising a member adapted to straddle a container from below, clamp members coacting with opposite sides of the upper portion of the container, bolts co-operating with the extremities of the clamp members to bring the same into requisite engagement with the container, bolts engaged with the free extremities of the first named member, means for connecting said second named bolts with the first named bolts, and a handle member engaged with each of the second named bolts.

2. A device for handling containers comprising a member adapted to straddle a container from below, clamp members coacting with opposite sides of the upper portion of the container, bolts co-operating with the extremities of the clamp members to bring the same into requisite engagement with the container, bolts engaged with the free extremities of the first named member, means for connecting said second named bolts with the first named bolts, and a handle member engaged with each of the second named bolts, each of said means comprising a U-shaped bracket having one of the first named bolts disposed through its extremities, a second named bolt being directed from above through the central portion of the bracket.

In testimony whereof I hereunto affix my signature.

WILLIAM L. GIBSON.