May 19, 1931. G. O. LORY 1,806,479

HEAT INSULATING HAND GRIP

Filed June 25, 1930

Fig. 1.

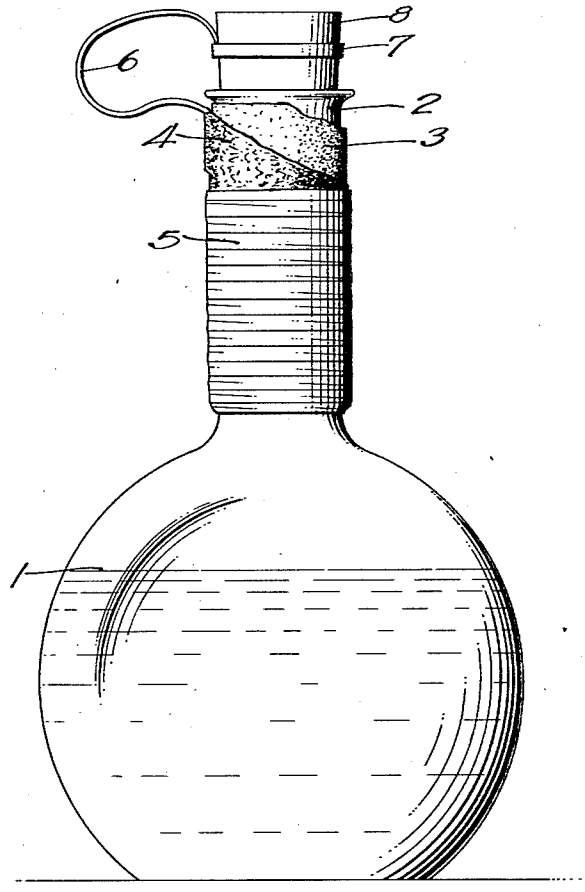
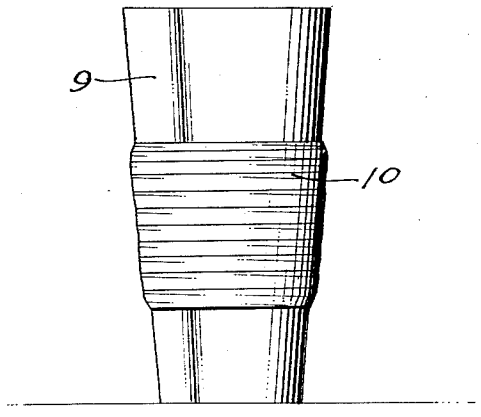


Fig. 2



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UNITED STATES PATENT OFFICE

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HEAT INSULATING HAND GRIP

Application filed June 25, 1930. Serial No. 463,690.

The invention forming the subject matter of this application is a heat-insulating friction hand grip designed particularly for use on vessels, such as coffee bottles, etc., containing hot liquids. It is especially adapted to facilitate the pouring of the contents of such vessels and the handling thereof.

The main object of the invention is to provide a band or strip of heat insulating material permanently fixed to objects which may become heated, and which must, ordinarily, be moved from one location to another; whereby, the hands of the user will be protected against injury by the heat of the said objects.

Another object of the invention is to provide the aforesaid heat-insulating band with a corrugated or indented wrapping of fibrous material, such as raffia, etc., in order to afford a non-slip frictional cover for said band, the corrugations or indentations being formed by suitably winding or weaving the fibrous material to provide the frictional hand grip surfaces.

A further object of the invention is to provide a closure for vessels, of the type referred to above, conveniently secured to the hand-grip to prevent loss thereof.

Other objects of the invention will become apparent as the detailed description of the invention proceeds.

In the drawings:

Figure 1 is a side elevation of my invention, with parts broken away, as applied to a transparent coffee bottle; and

Figure 2 is a similar elevation of my invention as applied to a vessel of another shape.

In Figure 1, the invention is illustrated as applied to a conventional glass coffee bottle having a substantially spherical body 1 provided with a pouring neck 2. The heat-insulating hand grip includes a thin sheet or layer of cork 3 wrapped around the neck 2 and suitably secured to said neck, either by the inherent friction of the material or by the use of any suitable adhesive.

A thin layer 4 of sheet asbestos is wrapped around tthe neck 2 and over the cork layer 3, and may by suitably secured to the said cork layer, either by frictional contact between the two layers or by the use of any suitable adhesive. Finally, raffia or any other suitable fibrous material may be tightly wound or woven around the cork-asbestos under layers to form the above named corrugated or indented layer or band 5, adapted to be grasped securely by the hand or fingers of the user of the bottle. Preferably, this outer layer or band 5 is colored, or otherwise suitably ornamented, and then is provided with a protective layer or coating of any suitable transparent lacquer.

The several superposed layers of the hand grip, provide a very convenient means for attaching a closure for the vessel to the body thereof, in order to eliminate the chances of losing such closure and to have it always conveniently located whenever its use is desired.

In order to secure the closure to the vessel, a thin strip 6 of leather, of other pliable matrial, has one of its end portions embedded between the frictional layers 2 and 3, while its opposite end portion is wound as a securing band 7 around the closure 8 of cork or other suitable material. Obviously, it is preferable to have the strip 6 secured between the layers 2 and 3, since it is less likely to become detached when arranged between these two layers of friction material than would be the case if the strip were arranged between the inner layer and the smooth glass surface of the vessel. The tight winding of the raffia, while not so shown in the drawings, completely covers the underlying layers of cork and asbestos, and thereby affords an additional means for fixing the closure retaining strip 6 securely to the vessel.

The particular shape of the vessel to which the invention may be applied is immaterial, since it is adapted to be applied to drinking and other vessels, regardless of their shapes or general design. In Figure 2 of the drawings, I have shown the invention as applied to an ordinary drinking glass 9, with the heat-insulating hand grip 10 conveniently arranged intermediate the ends of the glass.

The thicknesses of the several layers of the hand grip have been grossly exaggerated

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in the several figures of the drawings. It will be understood, however, that this is for purposes of illustration only, since it is obvious that the several layers may be made of any desired thickness, which will necessarily depend upon and vary with the normal temperatures of the object to be handled and the uses to which it may be subjected.

It is essential that the heat-insulating layers be made as thick as the temperatures of the vessels handled require for comfortable manipulation, and that the outer layer of the band be of such material and so formed as to eliminate chance of the vessel slipping from the hands of the users.

While it is preferable to have the band extend completely around the vessel, it is not absolutely necessary that it do so, since the object of the invention will be accomplished if one or more separate layer strips be arranged around the periphery of the vessel in suitable positions for engagement by the hands of the users. It is therefore, to be understood that my invention is not to be considered as in anyway limited to the precise form shown in the drawings of this application, since various modifications of the inventive idea will be obvious to persons skilled in the art without involving departure from the underlying principles of the invention.

Having thus described my invention, what I claim as new, and desire to secure by U. S. Letters Patent is:—

1. An article of manufacture comprising a hot liquid dispensing ceramic container, a hand grip surrounding the same and consisting of a layer of cork in close contact with the ceramic surface, asbestos arranged on the layer of cork, and a layer of binding material around said cork and asbestos.

2. An article of manufacture comprising a hot liquid dispensing ceramic container, a hand grip surrounding the same and consisiting of a layer of cork in close contact with the ceramic surface, asbestos arranged on the layer of cork, a layer of binding material around said cork and asbestos, and a flexible cork retaining member gripped within said binding material.

In testimony whereof, I have signed my name to this specification.

GEORGE O. LORY.

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