Feb. 18, 1947. H. O. MAMAUX 2,415,956

ICE BAG

Filed Aug. 28, 1945

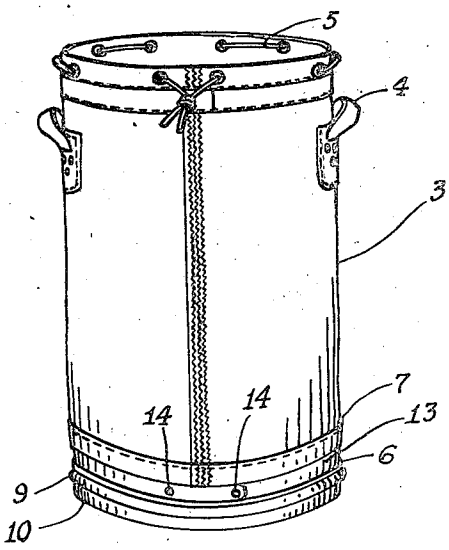


Fig. 1.

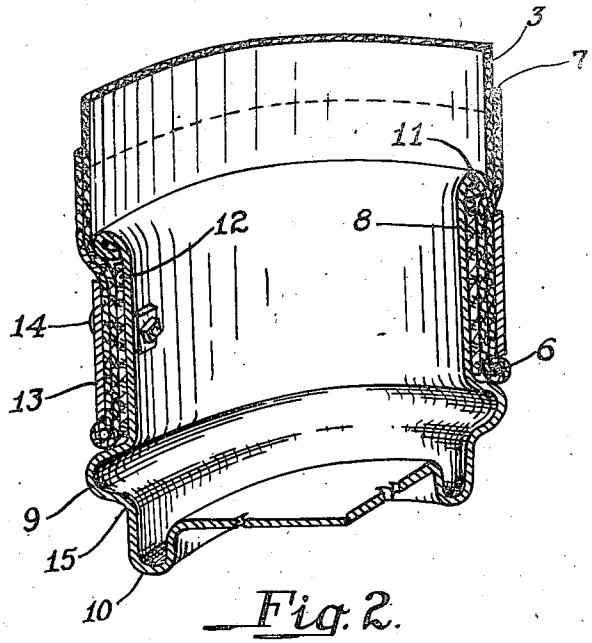


Fig. 2.

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ICE BAG

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3 Claims. (Cl. 150—50)

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My invention relates to ice bags, and more particularly those of the type employed in delivering crushed or cubed ice, usually in quantities of 50 lbs., 100 lbs, etc.

One object of my invention is to provide a bag of the character referred to, having a fibrous or rubber body portion and a metal bottom or pan-like form, wherein the flexible body portion can readily be applied to and removed from the metal bottom, when replacements or repairs are required.

Another object of my invention is to provide a metal bag bottom, and means for connecting a flexible body thereto, of such form that the softer upper or body portion of the bag structure is less liable to damage during handling than are various types of bags heretofore employed.

Still another object of my invention is to provide a bag bottom of such form that not only is it reinforced against deformation through rough handling, but is of such form that a handler can more readily grasp the same and maintain an effective hold thereon.

In the accompanying drawing, Figure 1 is a perspective view of the bag, and Fig. 2 is a sectional view on an enlarged scale through the lower portion of the structure of Fig. 1.

The bag comprises the usual body portion 3 which may be of canvas, rubberized fabric, rubber, etc., and which is provided with the usual lifting handles 4 and draw rope 5 that extends through grommets or eyelets in the upper hemmed edge of the bag, to permit of drawing the upper end closed and tying it.

The tubular body portion 3 is hemmed at its lower end around a rope insert or the like, to form a bead 6, the back-turned edge portion of the member 3 being stitched at 7 to the side of the bag.

The metal bottom 8 has its wall corrugated along annular lines, to form hollow ribs 9 and 10, one of which projects radially from the side wall and the other of which projects downwardly. The rib 9, in part, constitutes the lower wall of a channel, the upper wall of the channel being formed by the upper beaded edge 11 of the bottom member 8. A felt packing ring 12 lies within the channel, and the hemmed portion of the fibrous body is clamped tightly against this packing element by a metal clamping band 13 that is tightly wrapped around the fibrous body, immediately above the bead 6 and detachably secured in place by a pair of bolts 14 that extend through the overlapping ends of the band. The fibrous body 3

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is thus detachably and firmly secured to the metal bottom, and with a water-tight joint.

The rib or corrugation 10 serves as a seating surface on the bottom of the bag, and is so located and is of such size that it serves as a convenient hand-hold, when it is desired to tilt and lift the bag, particularly when pouring the contents from the bag.

The rib 9 not only projects radially a sufficient distance to prevent abrasion of the lower beaded portion of the fibrous body 3 through contact with other objects, but, being of greater overall diameter than the bead 11, reduces danger of abrasion to that portion of the bag above the clamping strip 13. The rib 9 has the further advantage of facilitating the grasping of the bottom corner of the pan, because of its location in proximity to the rib 10, the user's hand usually partly embracing both these ribs when lifting the bag. The ribs or corrugations 9 and 10 are bent transversely on such radii that they can conveniently be cleaned on their inner surfaces, and furthermore their walls, in effect, merge at 15 so that they mutually stiffen or support one another.

I claim as my invention:

1. A bag comprising a flexible body of tubular shape having a peripheral bead formed on its lower end, a bottom therefor of relatively rigid-material having a peripheral channel formed thereon, serving to receive the said bead and an adjacent narrow unbeaded portion of the tubular body, and a clamping ring positioned against the upper side of the bead and surrounding the said narrow portion, to hold the said narrow portion snugly in the channel, the said bottom having a peripheral recessed projection of bead-like form protruding radially beyond the peripheral surface of said bead.

2. A bag comprising a flexible body of tubular shape having a peripheral bead formed on its lower end, a bottom therefor of relatively rigid-material having a peripheral channel formed thereon, serving to receive the said bead and an adjacent narrow unbeaded portion of the tubular body, and a clamping ring positioned against the upper side of the bead and surrounding the said narrow portion, to hold the said narrow portion snugly in the channel, the said bottom having a peripheral recessed projection of bead-like form protruding radially beyond the peripheral surface of said bead, and constituting the lower side wall of the channel.

3. A bag comprising a flexible body of tubular shape having a peripheral bead formed on its lower end, a bottom therefor of relatively rigid

material having a peripheral channel formed thereon, serving to receive the said bead and an adjacent narrow unbeaded portion of the tubular body, and a clamping ring positioned against the upper side of the bead and surrounding the said narrow portion, to hold the said narrow portion snugly in the channel, the said bottom having a peripheral recessed projection of bead-like form protruding radially beyond the peripheral surface of said bead and constituting the lower side wall of the channel, the upper wall of the channel being of bead-like form and of shorter overall diameter than the lower wall of the channel.

HARRY O. MAMAUX.

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