June 21, 1932. H. HERMANI 1,863,790

CAKE SAFE

Filed Aug. 13, 1930

Fig. 1.

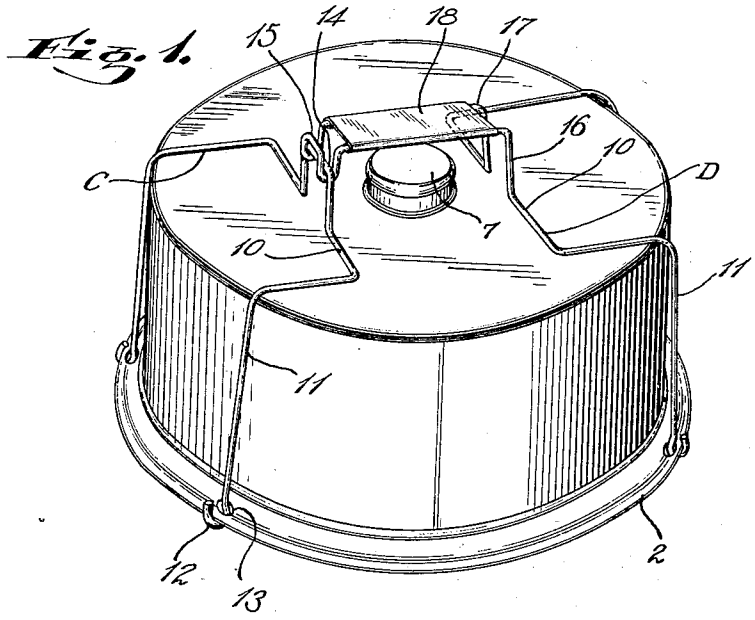
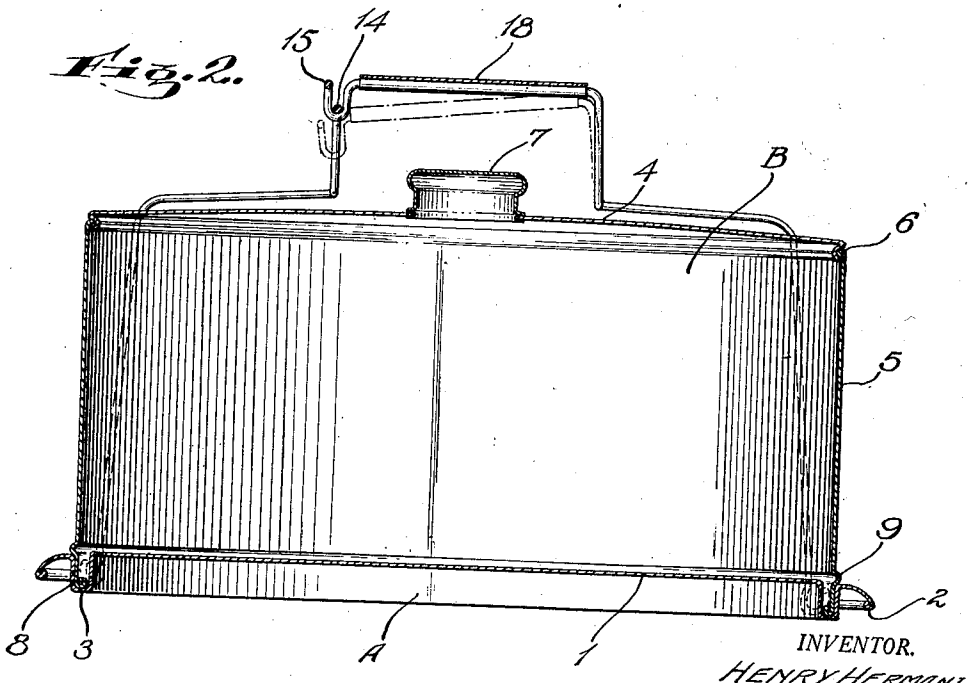


Fig. 2.



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CAKE SAFE

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This invention is an improvement in cake safes, and more particularly in a safe designed for portable use.

One of the primary objects of the present invention is the provision of a safe composed of a base and a cover, wherein the base and cover are so constructed that a seal is provided between said base and cover at their junction.

Another object is the provision of a safe composed of a base and a cup-shaped cover, wherein the cover is secured to the base by means of bails hingedly connected to the base, and engaging over the cover, one bail having an integral hook, and the other an integral bar for engagement by the hook, and so constructed and arranged that the hook is disengaged from the bar by pressure toward the cover.

Another object is the provision of a hook and bar connection, wherein the bails are resilient, so that when the hook is engaged with the bar, it will be retained by the resiliency of the bails, and when it is released the bails will spring apart of their own resiliency.

Another object is the provision of a hook and bar connection of the class described, capable of being engaged or released by one hand.

In the drawing forming a part hereof:—

Figure 1 is a perspective view of the improved safe;

Figure 2 is a vertical section on the line of the grip or handle.

The improved safe, which is formed of sheet metal or the like, includes a base or bottom, a cover or body, and a plurality of bails hingedly connected to the base, and constructed and adapted to be clasped over the body or cover, to clamp it to the base, and to provide a grip or handle for enabling the safe to be carried in the hand.

The base, indicated generally at A, is formed from a disk 1, having its edge reinforced by beading 2, and the base is provided with an annular groove 3 of considerable depth near its margin. The arrangement of the groove provides for what is in effect, an upwardly offset plane area 1, upon which the cake is adapted to rest, and the groove encircles the area. The groove is formed by bending the material into shape, and as shown, the bottom of the groove is the part upon which the bottom portion of the safe rests, the bead 2 being raised slightly above the bottom of the groove. The body or cover, indicated generally at B, includes a disk-shape top portion 4, and a cylindrical body portion or side-wall 5, which is seamed to the edge of the top portion, as shown at 6. The top portion 4 is also provided with a knob 7 at its center, for convenience in handling the cover.

The lower edge of the side-wall is reinforced by beading, as shown at 8, and the diameter of the cylindrical side-wall 5 is such that it will fit closely against the outer wall of the groove 3, when the beaded edge is dropped into the groove. The side-wall is provided with an annular bead 9, so positioned that when the bead 8 is in the bottom of the groove 3, the bead 9 will rest upon the upper edge of the outer wall of the groove and the portion of the bottom outside of the groove. The engagement between the side-wall 5 below the bead 9, and the outer wall of the groove 3, is close enough to prevent the entrance of foreign matter, or insects, and the bead assists in sealing the junction between the cover and the bottom.

The bails indicated generally at C and D, are roughly yoke or U-shaped, each comprising a body portion 10 and arms 11. Each of the arms has at the end remote from the body, a hook or open eye 12, which is adapted to engage an opening 13, in the bottom, and outside of the groove 3. The opening is in fact arranged at or very near the bead 2, and the hooks are engaged so that the bills of the hooks are outside of the bead.

The body portion 10 of the bail C has an offset portion 14, offset from the body when the bail is in the position of Figure 1, and this offset portion 14 provides a bar for engagement by the hook of the grip, to be later described. The arms 11 of both bails are of angular form, each consisting of a part of a length to extend from the engagement with the bottom to the top portion of the cover, and

a portion lying on the cover when the bails are connected.

The body-portion 10 of the bail D has an upwardly and laterally offset hook or clasp 15, which is adapted to engage the bar 14 of the bail C. This hook or clasp is formed by bending the material of the body intermediate the arms, first upwardly, as shows at 16, then in a plane parallel to the plane of the top portion of the cover, as shown at 17, and thence downwardly and again upwardly to form the hook 15. The parts 17 lie parallel with each other in spaced relation, and they are preferably connected by a strip 18 of sheet material, which has its side edges bent or beaded around the material of the bail, as shown.

The bails are of resilient material, such as wire, and the angle between the vertical and horizontal portions of the arms 11 is somewhat greater than the angle between the plane of the top of the cover and the side-wall, so that the bails tend to spring upwardly and away from the cover when they are disconnected. The angle between the portions of the arms 11 of the bail D is somewhat greater than that between the portions of the arms of the bail C, so that when the hook 15 is released from the bar 14, the hook is sprung upwardly and away from the bar. The hook may be easily released from the bar by downward pressure on the strip 18, which is the top of the grip or handle, as indicated in dotted lines in Figure 2.

In use, to place a cake in the safe, the hook 15 is disengaged from the bar and the bails are swung outwardly away from the cover, which is then removed by means of the knob 7. The cake is placed upon the area 1 of the bottom, and the cover is placed as shown in Figure 2, with the bead 8 in the groove 3. The bails are now swung upwardly and with one hand the hook may be connected with the bar 14 merely by depressing the hook and swinging the bar 14 over the hook. The parts may be disengaged in the same manner, that is, with one hand, by depressing the grip or handle. When it is so depressed, the bar 14 springs away from the grip or handle through its own resiliency.

It will be apparent from the drawing that the groove 3 provides an annular ledge or shoulder, with a plane area inside the ledge or shoulder for supporting the cake. The ledge or shoulder co-operates with the side-wall of the cover to provide a seal between the bottom and the body. Obviously the base and cover may be employed together either with or without the bail and handle arrangement illustrated and described.

What is claimed is:

1. An article of the character described comprising a base and a dome-shaped cover, means for maintaining the cover on the base and for carrying the article comprising co-operating resilient bails hingedly connected to the base, each bail having arms extending along the side of the cover and bent to overlie portions of the top of the cover at opposite sides thereof, the portions of the bails overlying the top of the cover being bent upwardly therefrom at points on opposite sides of and spaced a substantial distance from the center of the cover and in spaced relation to each other, one of said bent up portions being provided with an extension across the center of the cover of sufficient length to provide a handle and the other bent up portion forming a keeper to receive said extension to hold the bails together.

2. An article of the character described comprising a base and a dome-shaped cover, means for maintaining the cover on the base and for carrying the article comprising co-operating resilient bails hingedly connected to the base, each bail being formed of wire and having arms extending along the side of the cover and bent at the top of the cover to overlie portions of the top at opposite sides thereof, said arms being relatively widely spaced and the arms of each bail being bent toward each other across the top and then upwardly from the top, the arms of one of the bails being then bent toward the other bail to provide relatively closely spaced arms constituting a handle, said last mentioned arms being also bent at their outer free end to form a hook, and the arms of the other of the bails being bent toward each other to provide a keeper engageable by the hook.

3. An article of the character described comprising a sheet metal base, and a sheet metal cover, the base having a groove corresponding in outline to that of the edge of the side wall of the cover to receive said edge, an outwardly extending flange on the base, a pair of bails connected to the flange and swingable over and away from the cover and into and out of engagement therewith, and one of said bails having a handle and a hook and the other having a co-operating keeper, the rim of the flange on the base being spaced above the bottom wall of the groove which rests on a supporting surface whereby the bails may be freely moved over and away from the cover without contacting the supporting surface.

4. A cake safe including a sheet metal base having an elevated cake supporting portion and an annular grooved portion depending therefrom with the opposite walls of the groove lying substantially parallel to each other and forming between them a groove of substantially uniform width, the metal at the upper edge of the outer wall of the groove flaring outwardly and downwardly, to provide a skirt extension which surrounds and partially conceals the grooved portion, and a dome shaped cover of sheet metal removably associated with the base and having its lower

open end provided with an inwardly extending annular bead fitting within the groove and serving to make yieldable contact with the inner wall of the groove and thus urge the rim of the cover adjacent its bead outwardly toward the inner face of the outer wall of the groove.

5. A cake safe including a base and a removable cover, both made of sheet metal, the marginal edge of the open end of the cover terminating in an inwardly extending annular bead, the base having an elevated cake-supporting portion and a stamped-out portion providing a surrounding groove to receive the beaded open mouth of the cover with the said annular bead lying against the inner wall of the groove, the inner face of the outer wall of the groove extending substantially vertically and corresponding in its outline to the periphery of the lower end of the cover and shaped to yieldably receive said end in close abutting relation therewith when the inwardly extending annular cover bead makes contact with the inner wall of the groove, and said outer wall having an outwardly and downwardly extending rim portion.

Signed at Baltimore, in the county of Baltimore City, and State of Maryland, this 7th day of August, A. D. 1930.

HENRY HERMANI.