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F. H. AHLMAN

ANCHORING DEVICE FOR CONTAINERS

Filed May 10, 1926

Fig. 1.

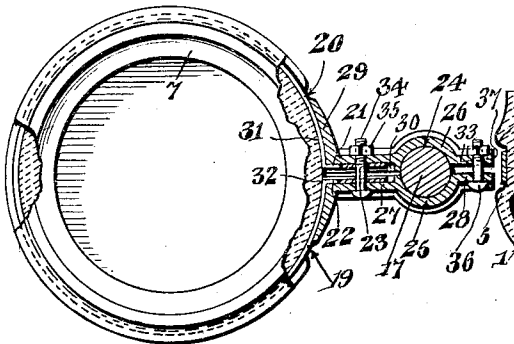


Fig. 2.

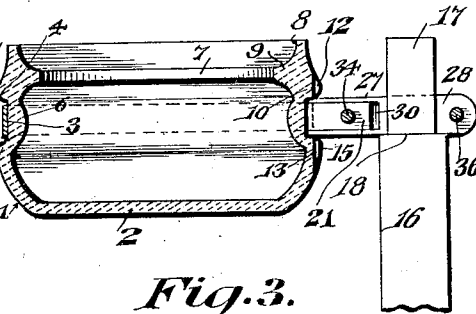


Fig. 3.

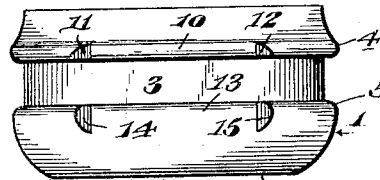


Fig. 4.

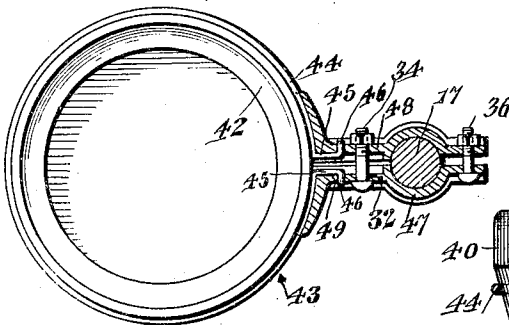


Fig. 5.

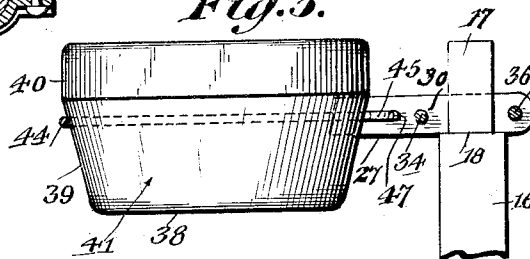


Fig. 6.

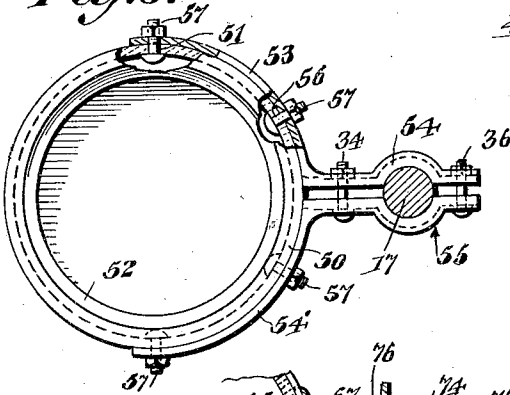
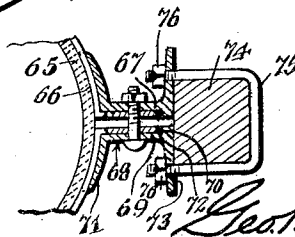


Fig. 7.



INVENTOR.

Franz H. Ahlman,

BY

ATTORNEY.

Geot. Kimmel.

UNITED STATES PATENT OFFICE.

FRANZ H. AHLMAN, OF MORRISTOWN, MINNESOTA.

ANCHORING DEVICE FOR CONTAINERS.

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This invention relates to a container anchoring device and has for its object to provide, in a manner as hereinafter set forth, means for suspending a supply of salt at a point in convenient reach of an animal, but it is to be understood that although the container is designed primarily for suspending a container carrying a body of salt, yet it is to be understood that it can be employed for any purposes for which it is found applicable.

Further objects of the invention are to provide, in a manner as hereinafter set forth, a container anchoring means, which is simple in its construction and arrangement, strong, durable, compact, thoroughly efficient in its use, detachably suspended in position, readily assembled, and comparatively inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as hereinafter more specifically described and illustrated in the accompanying drawings wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which fall within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views:

Figure 1 is a sectional plan of a container and the anchoring means therefor and with the anchoring means clamped to a vertical support.

Figure 2 is a vertical sectional view of a container and the anchoring means therefor and with the latter positioned with respect to a vertical support.

Figure 3 is a rear elevation of a container.

Figure 4 is a top plan view, in section, of a modified form of container anchoring means and further illustrating the latter connected to a vertical standard or support.

Figure 5 is a sectional elevation of the form shown in Figure 4.

Figure 6 is a sectional plan of still another modified form of container anchoring means.

Figure 7 is a fragmentary view in sectional plan of still another modified form of anchoring means.

The container in each of the forms illustrated is in the shape of a bowl and constructed of any suitable material other than metal, and preferably the container is con-

structed of heavy glazed stone or earthenware.

Referring to Figures 1, 2 and 3 of the drawings the container, which is formed from non-metallic material, comprises an annular body portion 1 having a bottom 2. The body portion 1 has its outer periphery provided with an annular groove 3 and the top and bottom walls thereof are indicated respectively at 4, 5. The said walls are oppositely flared with respect to each other. The inner face of the body portion 1 is formed with a rounded bead 6 arranged in alinement with the base of the groove 3 whereby the body portion 1 is thickened at such points for reinforcing purposes. The inner face of the body portion 1 is furthermore provided with an annular inwardly extending portion to form a continuous flange 7 and which is positioned below the top edge 8 of the body portion 1 and further arranged above the bead 6. The inwardly extending portion which forms the annular flange 7 is of tapered contour in vertical section and gradually increases in width from the edge of the flange to the inner face of the body portion 1, as indicated at 9. The top wall 4 of the groove 6, at the rear of the body portion 1, is cut away for a portion of its depth and length, as indicated at 10 to form a pair of shoulders 11, 12 which are oppositely beveled. The said cut away portion forms a clearance. The bottom wall 5 of the groove 3 is cut away in a manner similar to the cutting away of the top wall 4, as indicated at 12 and which forms a pair of shoulders 14, 15 which are oppositely beveled and said cut away portion of the bottom wall 5 of the groove 3 provides a clearance. The shoulders 11, 12, 14 and 15 also provide stops to prevent the container from shifting completely around within the anchoring means and the latter will be presently referred to.

The anchoring means for the container consists of a suspending element therefor and a clamping means for the suspending element for the purpose of connecting the latter to a vertical standard or post which is formed with a reduced upper terminal 17 to provide a shoulder 18 and upon which seats the clamping means for the suspension element.

The suspension element is indicated at 19 and is formed from a spring metal strap of the desired width and bent to provide a

circular loop 20 and a pair of right angularly disposed, parallel spaced arms 21, 22 which project rearwardly from the loop 20 when the suspending element is arranged in co-relation with respect to the container to suspend the same. Each of the arms 21, 22 is formed with an opening 23 and the openings in said arms aline with each other. The clamping means consists of a pair of oppositely disposed clamping members referred to generally by the reference characters 24, 25, and each of which consists of a semi-circular body portion 26 formed with a forwardly and rearwardly extending arm 27, 28 respectively. The arm 27 is of greater length than the arm 28 and terminates at its forward end in an angularly disposed laterally projecting arcuate extension 29. The inner face of the arm 27 is formed with a lengthwise extending groove 30 which merges at its outer end in a groove 31 formed in the forward face of the extension 29. The groove 31 extends lengthwise of the extension 29 and from the inner to the outer end thereof. The arm 27 is formed with an opening 32. The openings in the arms 27 register with each other. The arm 28 is formed with an opening 33 and the openings in the arms 28 register with each other. The grooves 31 formed in the extensions 29 receive the rear portion of the loop 20 of the suspension element 19 and the grooves formed in the arms 27 receive the rearwardly extending arms 21, 22 of the suspension element. The openings in the arms 21, 22 register with the openings 32 formed in the arms 27 and extending through said registering openings is a clamping bolt 34 carrying a securing nut 35. Extending through the registering openings 33 is a clamping bolt 36 carrying a securing nut 37. The semi-circular portions 26 of the clamping members surround the reduced end 17 of the standard or post 16 and the said clamping members seat on the shoulder 18 and the arms 27 project forwardly therefrom.

The circular portion 20 of the suspension element is mounted within the grooves 3 and the extensions 29, which may be termed abutments, seat against the container within the cut away portions 10 and 13 and the shoulders 11, 12, 14 and 15 engage with the ends of the extensions to arrest shifting movement in either direction of the container. The bolts 34 and 36 in connection with the nuts 35 and 37 fixedly secure the clamping means to the standard or post 16 whereby the container is held in suspended position when the suspension element is secured to the clamping means. The bolt 34 not only provides means for securing the clamping members 24 and 25 together but further act as a connecting means between the suspension element and the clamping means.

Referring to Figures 4 and 5 of the draw-

ings the container which is in the form of a bowl and consists of a flat bottom 38 and a body portion formed of a tapered lower part 39 and a cylindrical upper part 40. The inner face of the bowl, the latter being referred to generally by the reference character 41, is provided with an inwardly arranged flange 42 constructed and positioned in the same manner as the flange 7 shown in Figures 1 and 2. The suspension element is referred to generally by the reference character 43 and is formed from a length of spring wire bent to provide a circular loop 44 and a pair of rearwardly extending arms 45 each formed with a right angular extension or terminal 46. The clamping means referred to generally by the reference character 47, is similar in construction as that shown in Figure 1 with the exception that the forwardly extending arms 48 of the clamping members are provided with openings 49 in advance of the openings 32. The openings 49 are for the reception of the angle-shaped terminals 46 of the arms 45. The loop 44 of the suspension element receives the tapered part 39 of the body portion of the container; see Figure 5. The container 41 is not provided with the cut away portions 10 and 13. Otherwise than that stated the construction shown in Figures 4 and 5 is the same as that shown in Figures 1 and 2.

Referring to Figure 6 the container which is referred to generally by the reference character 50 is of the same form as that shown in Figures 4 and 5, with this exception that it is provided near its top with a series of spaced openings 51 arranged below the flange 52. The suspension element for the container 50 consists of a pair of oppositely disposed arcuate arms 53, 54 and each of which is formed integral with one of the clamping members 54 of the clamping means. The clamping members 54 are constructed in the same manner as that referred to with respect to Figure 1. The clamping means is referred to generally by the reference character 55. The arm 53, as well as the arm 54, is provided with a plurality of openings 56 which register with the openings 51 and extending through said registering openings are hold fast devices 57 for securing the suspension element to the container 50 so that when the clamping means is secured to the upper end 17 of the post 16 the container will be suspended.

Referring to Figure 7 the container which is indicated at 65 is of the same construction as that shown in Figure 1, this statement also applies to the suspension element which is indicated by the reference character 66. The clamping means shown in Figure 7 includes a pair of clamping elements 67, 68 for the arms of the suspension element. The member 67 as well as the member 68 comprises a

body portion 69 having its inner face grooves as at 70 for the reception of an arm of the suspension element. The body portion 68 at its forward end is provided with an extension 71 which is constructed similar to the extension 29. The rear end of the body portion 69 is formed with a right angularly disposed arm 72, provided with an opening 73. The arms 72 abut against the upper end of a post 74 and are secured therewith by a clamping yoke 75, provided with securing nuts 76. The yoke 75 surrounds the post or standard 74 and extends through the openings 73 formed in the arm 72.

It is thought the many advantages of a container anchoring means, in accordance with this invention, and for the purpose set forth, can be readily understood, although the preferred embodiments of the invention are as illustrated and described, yet it is to be understood that changes in the details of construction can be had which will fall within the scope of the claims hereunto appended.

What I claim is:

1. An anchoring means for a peripherally grooved container comprising a suspension element including a circular loop and a pair of rearwardly extending arms, said loop for mounting in the groove of the container, a pair of clamping members oppositely disposed with respect to each other and adapted to be positioned against a standard, said clamping members formed with forwardly and rearwardly extending arms, said forwardly extending arms terminating in a pair of oppositely disposed arcuate extensions,

said extensions overlapping the rear of said loop and said forward arms receiving the arms of said element, a hold fast device extending through said forward arms and the arms of said element for clamping the forward portion of said clamping members together, and means extending through said rear arms for clamping the rear of said clamping members together whereby said clamping members will be fixedly secured to said standard and said suspension element will be connected to the clamping members.

2. A container anchoring device comprising a suspension element including a circular split loop adapted to surround the container and further including a pair of arms extending rearwardly from the split ends of the loop, a pair of oppositely disposed clamping members adapted to be positioned against a standard and formed with two pair of arms, one pair of arms of the clamping members terminating in a pair of oppositely disposed arcuate extensions bearing against the rear of said loop, that pair of arms provided with the extensions receiving the arms of the suspension element, holdfast means for securing the forward part of said clamping members together, and holdfast means for securing the rear part of said clamping members together, the said holdfast means acting to fixedly secure the clamping members to the standard and the suspension element to the clamping members.

In testimony whereof, I affix my signature hereto.

FRANZ H. AHLMAN.