Jan. 7, 1936. E. J. MILLER 2,026,950

SUSPENSION ATTACHMENT FOR BOTTLE NECKED VESSELS

Filed May 25, 1935

Fig. 1.

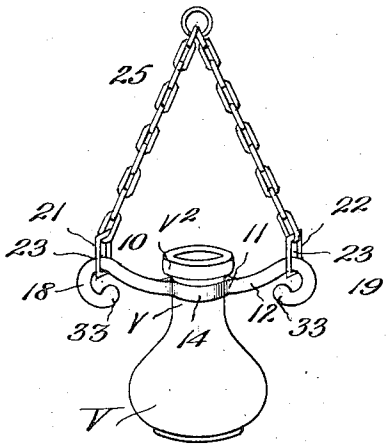


Fig. 2.

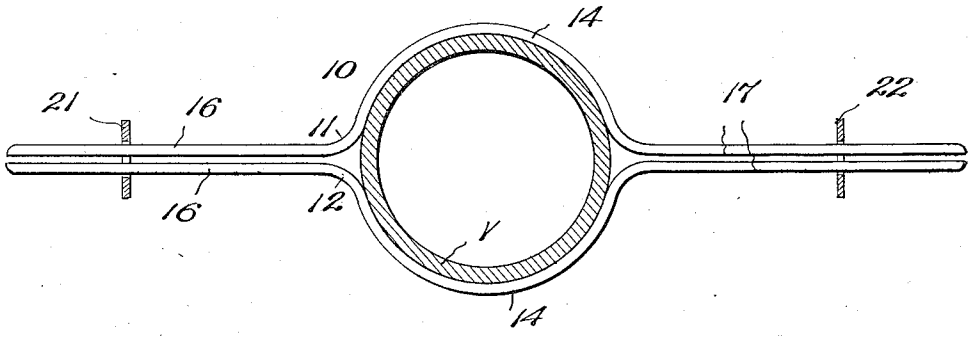
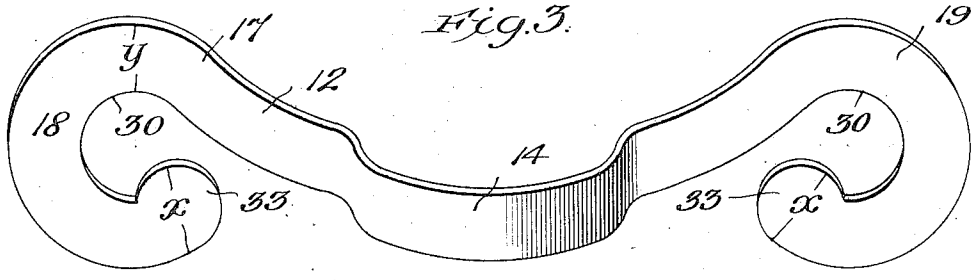


Fig. 3.



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SUSPENSION ATTACHMENT FOR BOTTLE-NECKED VESSELS

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4 Claims. (Cl. 248—318)

This invention relates to suspension attachments for bottle-necked vessels, and provides improvements therein.

The present invention provides a means for the suspension of vessels, which may be readily attached to the reduced portion or necks of vessels. It likewise provides an attachment which is not readily detached in ordinary usage, but which, by an appropriate manipulation, may be readily detached.

The invention further provides a device of the character described of great simplicity, and capable of being produced so as to be popularly sold. The invention also provides a device which is attractive in appearance, and in which functional features are contrived so as to give the device a pleasing and ornamental appearance.

An embodiment of the invention is illustrated in the accompanying drawing, wherein:

Fig. 1 is a perspective view of my improved device shown in conjunction with a vessel, and in its position of attachment to the vessel;

Fig. 2 is a top plan view of the attachment, with certain parts shown in section;

Fig. 3 is a perspective view of one of the two yokes shown in Fig. 2, the other being a counterpart.

Referring to said drawing letter V designates a vessel having a neck *v* and a rim *v2* larger than the neck.

Numeral **10** designates the attachment as a whole. The attachment comprises two yokes **11** and **12**, each of which is a counterpart of the other. Each of the yokes comprises a middle portion **14** which is recessed or bowed so as to receive and surround substantially half of the neck *v* of the vessel, and, in conjunction with its counterpart, to completely surround the neck *v* of the vessel to which the device is to be attached. Each of the yokes **11** and **12**, on each side of the middle portion **14**, have arms **16**, **17** which extend outwardly from said middle portion in opposite directions, the four arms of the two counterpart yokes **11** and **12** being substantially flush with a common meeting plane. The ends of the arms **16**, **17** also preferably have the shape of curls or scrolls **18**, **19**, the function of which will be described in a following part of the description.

Numerals **21**, **22** designate a pair of link-like keepers, each of which has an eye **23** therein of a width corresponding to the combined thickness of each assembled pair of arms **16**, **16**, or **17**, **17**, the keepers **21**, **22** being constructed and arranged to pass on and off of the ends of the assembled arms **16**, **16**; **17**, **17**, and when in position on the pairs of arms, to surround each assembled pair of arms, and thereby hold the yokes in position surrounding the neck *v* of the vessel, and preventing separation of the said pairs of arms. The length of the eye **23** is somewhat greater than the width of arms **16**, **17**, so as to receive the terminal link or eye of suspension means, as for example a chain, a bail, or the like.

Numeral **25** designates a suspension means which may have the form of a chain or a bail, the ends of which are attached to the link-like keepers **21**, **22**.

The scroll-type ends **18**, **19** of the arms **16**, **17**, are furthermore related to the structure and function of the keepers **21**, **22** in the following manner. The concavity **30** at the underside of the arms **16**, **17**, at their ends, provides a means for positioning the keepers **21**, **22** in such manner that when the assemblage is suspended, the links of the chains or the like attached to each of the keepers **21**, **22** will hang symmetrically with the device presenting a pleasant appearance. Moreover the ends of the curls or scrolls **18**, **19** preferably terminate in knobs **33**, which knobs have a width, as indicated at *x* somewhat greater than the width of the arms as indicated at *y*. The length of the eye **23** in the keeper when occupied by the terminal link or eye of the suspension means is slightly greater than the width *x* of the knob **33**, so that the keeper on that end (**21** or **22**) may be manipulated so as to pass off of the end of the scroll (**18** or **19**) over the knob **33**, but in the absence of manipulation will not readily pass off over the knob **33**. In this way the relation of the keepers **21**, **22** to the ends of the arms is such that the yokes **11**, **12** will not be readily or accidentally separated under such usage as the assembled parts would ordinarily receive.

Each of the yokes **11**, **12** are conveniently formed as a unitary part cut from strips or sheets of metal which are embossed to provide the bowed middle portion **14**. The yokes **11**, **12** may however be otherwise formed in a manner which is suitable.

The suspension means **25**, as heretofore stated, is preferably a chain or a bail, but any suitable device of like character may be employed.

In its suspended position the attachment not only provides a means for suspending a vessel, but the mechanical means employed in the construction of the attachment are contrived with the idea and purpose of achieving not only mechanical utility hereinbefore set forth, but also

the utility of a pleasing and ornamental aspect.

What is claimed is:

1. A suspension attachment for bottle-necked vessels, comprising a pair of yokes, each of which is a counterpart of the other, each of said yokes having a bowed middle portion for surrounding substantially half of the neck of the vessel to be suspended, and arms extending outwardly from said middle portion in opposite directions, the arms on the counterpart pair of yokes, in the assembled position of the latter, lying side-by-side; a pair of keepers each of which has an eye and is arranged to pass on and off of a pair of arms lying side by side in the assembled position, of the yokes, said keepers when in place holding said yokes in assembled position, and when removed permitting the separation of said yokes, and means attached to said keepers for suspending a bottle-necked vessel clasped by said yokes in a freely pendent position.

2. An attachment according to claim 1, wherein said arms have scrolls at their ends, wherein the eyes in said keepers have a length only somewhat greater than the width of an arm, the keepers and scrolls being so related that the keepers must follow the curvature of the scrolls to reach and pass off of the ends of said arms.

3. An attachment according to claim 1, wherein said arms have scrolls at their ends and knobs on the ends of said scrolls, wherein the eyes in said keepers, have a length only somewhat greater than the width of a knob at the end of an arm, the keepers and scrolls being so related that the keepers must follows the curvature of the scrolls to reach and pass off of the ends of said arms.

4. An attachment according to claim 1, wherein said suspension means has terminal eyes passing through the eyes of said keepers, and wherein said arms have scrolls at their ends and knobs on the ends of said scrolls, wherein the eyes in said keepers have a length only somewhat greater than the width of a knob at the end of an arm, the keepers and scrolls being so related that the keepers must follow the curvature of the scrolls to reach and pass off of the ends of said arms.

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