Jan. 14, 1930. J. O. CHALLINOR 1,743,529

BRACKET

Filed July 17, 1924

FIG. 1.

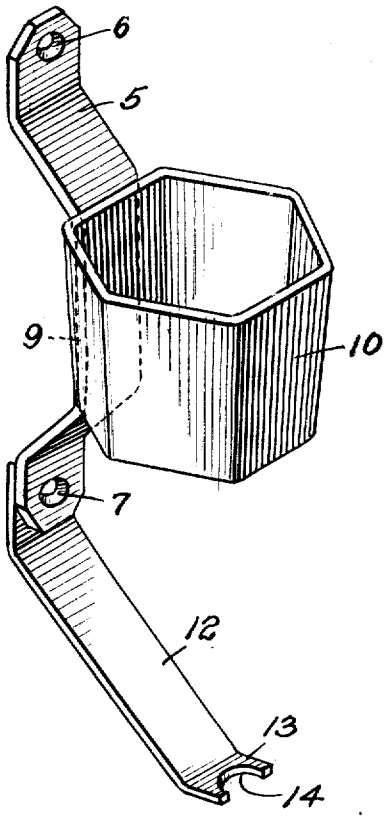
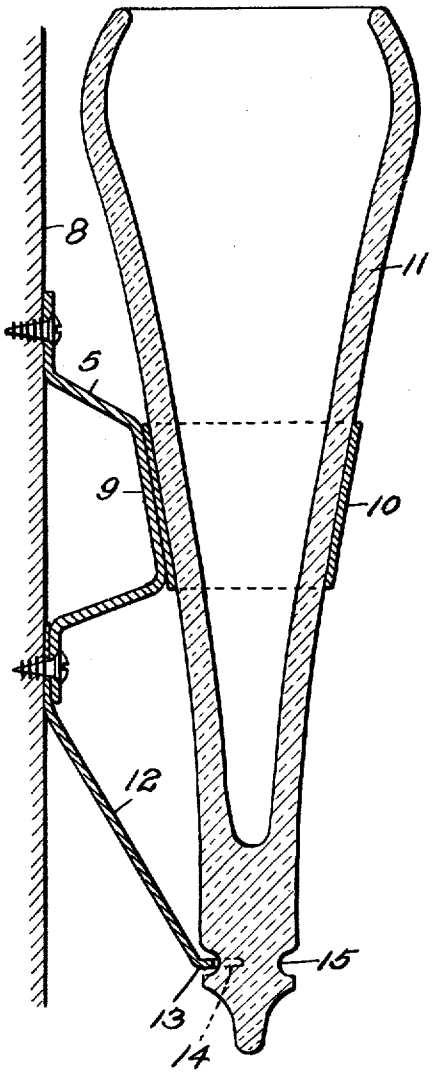


FIG. 2.



WITNESSES

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UNITED STATES PATENT OFFICE

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BRACKET

Application filed July 17, 1924. Serial No. 726,494.

This invention relates to brackets such as are used for supporting flower vases in various types of vehicles such, for example, as automobiles, railroad cars and the like.

Vases of this type are generally tapered longitudinally and are mounted on the wall of the vehicle by means of a bracket which directly engages and supports the body of the vase. In order to prevent an annoying rattle of the vase in the holder, as a result of the vibration of the moving vehicle, more or less complicated forms of brackets have been devised in which various screws and hinges have been used, resulting in a material increase in the cost of manufacture. Such brackets are composed of a number of relatively small parts which form a more or less complicated construction and which eventually become broken or work loose so as to add to the objectionable rattle of the vase in the holder.

An object of this invention is to provide a bracket for the purposes set forth which is capable of being made from a single piece of metal so as to do away with the necessity for small and complicated elements such as set-screws, hinges, locks or the like.

A further object is to provide a bracket of the type described which will positively prevent rattling of the vase or other article supported by it.

A still further object is to provide a bracket of the type set forth which will be simple and cheap to manufacture and which will have no movable parts.

These and other objects which will be obvious to those skilled in this particular art are attained by means of this invention, one embodiment of which is shown, in the accompanying drawings, in which Figure 1 is a perspective view of a supporting bracket constructed in accordance with this invention and Fig. 2 is a vertical cross section through the center of the bracket showing it mounted upon a wall and supporting a flower vase.

The particular embodiment of the invention which has been chosen for illustration includes a bracket which projects outwardly from the wall to which it is secured. An article supporting collar is mounted on the bracket to which it may be soldered or with which it may form an integral part. A yielding spring like member projects downwardly below the collar and engages a groove formed in the lower part of the vase so as to yieldingly hold the vase in non-rattling engagement therewith.

The illustrated form of this invention includes a bracket 5 provided with perforations 6 and 7 at its top and bottom, respectively, by means of which it may be secured to a wall 8 of the vehicle. The bracket has an intermediate portion 9 which is spaced from the wall 8. A supporting collar 10 for supporting a vase 11, or similar article, is mounted on the portion 9 of the bracket either by soldering or by being formed integrally therewith. The lower end of the bracket is provided with a downwardly and outwardly extending flat spring-like member 12 which is provided at its lower end with a horizontal foot 13 having a notch 14 adapted to engage a groove 15 formed in the vase 11 adjacent its lower end. Like the collar 10 the member 12 may be formed either of a separate piece which is soldered or otherwise secured to the lower part of the bracket 5 or it may form a continuation of the bracket 5 itself.

The spring-like member 12 is of such length and the foot 13 is so positioned with relation to the normal position of the groove 15 of the vase that the member 12 not only must be distorted, that is, sprung back toward the support, in order to bring the foot into operative engagement with the groove, but it is held in a slightly flexed or distorted position after the foot is in the position shown in Figure 2. With such an arrangement the vase is not only positively held in place in the collar 10 but is also held against upward movement therein by the spring-like action of the member 12 so that it is yieldingly but forcibly held in non-rattling engagement with the collar 10.

The vase 11 is supported by the collar 10 and the spring 12 through the medium of the foot 13 and groove 15 yieldingly holds the vase in non-rattling engagement with the supporting collar.

It will be observed that when the vase is inserted in the holder, its lower rounded end will ride down on the face of the spring 12

and force the same backwardly far enough for it to snap into the groove 15 and that, when the notched end of the spring 12 is thus in engagement with the groove 15, the upwardly-facing shoulder of the groove locks the vase against withdrawal upwardly until the spring 12 is pressed backwardly by the fingers to thus unlatch the vase.

As described above the finished bracket may be formed of the three pieces of metal which are welded, soldered or otherwise secured together to form in effect a single piece or it may be shaped entirely from a single piece. In either event the completed bracket has no movable parts, such as set-screws, locks, hinges or the like, it is cheap and simple to manufacture and positively prevents any rattle between the supported article and the supporting collar. Another feature of advantage is that the member 12 is entirely hidden by the vase itself and prevents the structure from having an unsightly or awkward appearance.

I claim:

In combination, a bracket embodying a collar and means for attaching the bracket to a support, a vase fitting down into said collar and having its lower end depending to a point below said collar and provided with an annular groove, said bracket being provided with a spring-arm extending downwardly and outwardly from the bracket and provided with a notch at its lower end, said arm having said lower notched end normally extending into the path of said lower grooved end of the vase, whereby when said vase is pushed downwardly into said collar the lower end of the vase will force said spring-arm backwardly toward the support to enable its notched end to snap or latch into said groove.

In testimony whereof, I have hereunto subscribed my name this 7th day of July, 1924.

JAMES OLIVER CHALLINOR.