

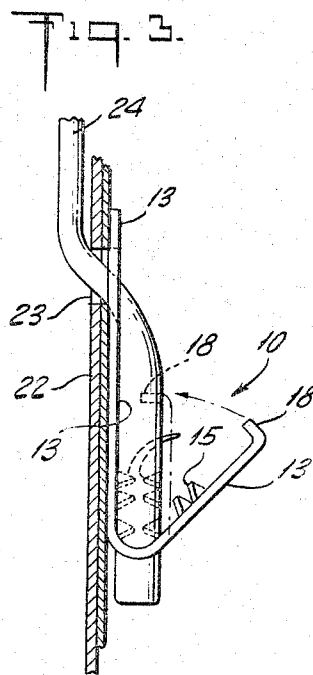
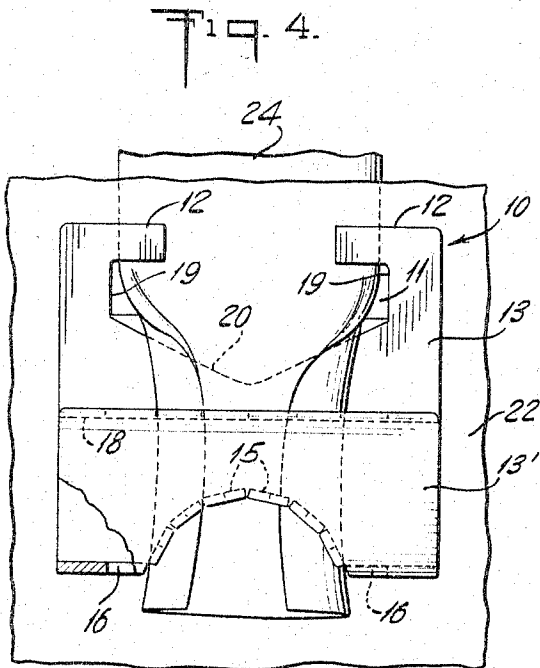
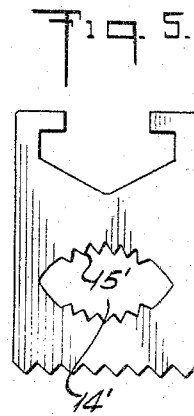
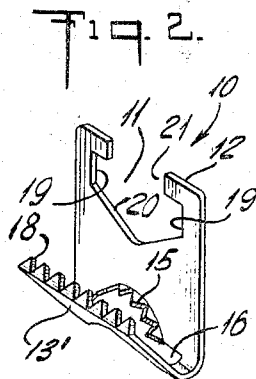
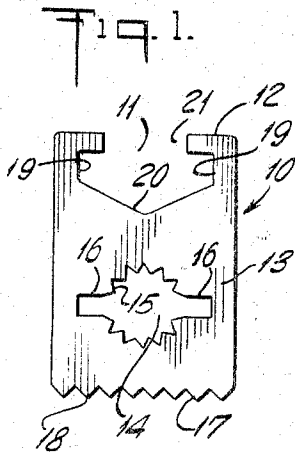
June 6, 1967

D. I. REITER

3,323,184

STRAP ANCHOR

Filed Aug. 30, 1965



INVENTOR  
DANIEL I. REITER  
BY *[Signature]*  
ATTORNEY

1

2

3,323,184  
**STRAP ANCHOR**  
 Daniel I. Reiter, 215 W. 88th St.,  
 New York, N.Y. 10024  
 Filed Aug. 30, 1965, Ser. No. 483,583  
 11 Claims. (Cl. 24-114.5)

**ABSTRACT OF THE DISCLOSURE**

This invention concern an anchor for securing a flexible strap or handle to a wall having an opening therein, the anchor engaging the strap and having clamping means securing the anchor in position on the strap whereby the anchor lies flat against the wall with the strap extending through the opening.

This invention relates to anchors or fasteners for straps and more specifically to a novel and improved anchor for attachment to the end of a flexible strap or handle after passing through an opening in the side wall of a container to retain the strap in engagement with such wall.

While the invention is useful for a wide variety of applications, it is particularly useful in the attachment of handles to women's handbags and the like. In the construction of handbags, flexible handles of plastic, leather or the like are secured to opposing side walls, by passing the ends of the handles through openings in said walls and attaching anchors to the handle ends to hold them in place. Prior forms of anchors are disclosed in United States Patents 2,821,229 and 2,860,396, granted to D. I. Reiter.

The anchor in accordance with this invention constitutes an improvement of prior known devices in that it provides an effective and secure anchor for straps and handles which is characterized by its simplicity of manufacture and ease of attachment to the handle.

Another object of the invention resides in the provision of a novel and improved anchor for straps, flexible handles and the like.

The above and other objects and advantages of the invention will become more apparent from the following description and accompanying drawings forming part of the application.

In the drawings:

FIGURE 1 is a plan view of one embodiment of the invention as initially formed from a piece of metal stock.

FIGURE 2 is a perspective view of the completed embodiment of the invention as shown in FIGURE 1.

FIGURE 3 is a side elevational view of the anchor as shown in FIGURES 1 and 2 in engagement with a strap to be secured to a container wall.

FIGURE 4 is an elevational view of a portion of a container wall showing the anchor in engagement with the strap to secure the latter in place.

FIGURE 5 is a plan view similar to FIGURE 1 but showing a modified form of the invention.

In the manufacture of containers and particularly women's handbags, handles have been secured to the side walls by forming a pair of spaced openings in the side walls through which the ends of the handles are passed. Anchors were then secured to the inner ends of the handles so that when stress was placed on the handles, the anchors would lie flush against the side walls.

The improved anchor in accordance with the invention not only facilitates its attachment to the handle or the strap as the case may be, but also can be manufactured at a lower cost than prior known devices.

Referring now to the drawings and more specifically to FIGURES 1 and 2, the improved anchor generally denoted by the numeral 10 is formed from a strip of flat

material and includes a strap engaging opening or recess 11 adjoining the edge 12 of the plate 13. A second strap engaging opening or aperture 14 is spaced from the opening or recess 11 and has a generally circular configuration with a plurality of inwardly extending pointed tabs 15 on its periphery. In the instant embodiment of the invention, the aperture 14 includes a pair of laterally directed slots 16, which form part of the aperture 14. With this arrangement the aperture 14 will accommodate handles of various cross sectional configurations such as tubular straps or straps having a flattened configuration in the nature of an oval. The lower edge 17 of the plate 10 has a plurality of outwardly extending pointed tabs 18 extending throughout the length of the edge 17.

The upper opening or recess 11 may take any of a variety of forms. In the illustration, the recess has a pair of vertical side walls 19 and a triangularly shaped bottom wall 20. The top of the recess 11 opens into the edge 12 with the width of the opening, denoted by the numeral 21, being narrower than the distance between the side walls 19.

This arrangement facilitates the engagement of the strap with the recess 11 though the particular configuration may take other forms, as for instance those shown in the prior mentioned patents or in the alternative a single opening spaced inwardly from the edge 12.

After forming the anchor as illustrated in FIGURE 1, the tabs 15 and 18 are then bent outwardly as illustrated in FIGURE 2. The body 13 is then bent along a transverse line extending through the aperture 14 so that the folded portion 13' makes an angle of less than 90 degrees with the remainder of the plate 13. In this position the tabs 18 are now directed toward the plate 13 and the tabs 15 about one half of the aperture 14 extend toward the tabs 15 about the other side of the aperture 14.

FIGURES 3 and 4 show the cooperation of this improved anchor with a handle or strap to secure the latter to the side wall of the handbag or other container. The wall of the container is denoted by the numeral 22 and it is provided with an opening 23 through which the handle 24 extends. The handle 24 after passing through the opening 23 is engaged by the opening or recess 11 in the upper part of the plate 13 and then extends downwardly through the aperture 14. With the handle in this position the folded portion 13' of the plate 13 is then bent inwardly to drive the tabs 15 and 18 into firm engagement with the strap 24. The folded portion 13' forms with the remaining portion of the plate 13 a clamp which firmly secures the strap to the anchor. The clamping operation can be accomplished by a simple press or any other procedure such as a hammer and anvil that will effect the clamping action. Because of the nature of the clamping structure, it is evident that the aperture 14 will accommodate a wide variety of handle sizes and shapes, and thus forms a highly versatile anchor which avoids the need for a plurality of anchors of different sizes to accommodate different handles.

The modified form of the invention is shown in FIGURE 5. In this embodiment, which is similar to the embodiment shown in FIGURES 1 and 2, a modified clamping aperture 14' is provided. In this instance the aperture 14' is in the form of an oval and includes a plurality of tabs 15' about the periphery of the aperture 14. Although two forms of apertures 14 and 14' have been illustrated, it is evident that the form of the aperture can assume any of a large number of configurations while still embodying advantages of the invention. For instance, the aperture could be square, rectangular, diamond shaped or the like. It is also evident that the aperture 11 as previously discussed may assume various shapes or configurations.

While only certain embodiments of the invention have been illustrated and described, it is apparent that alterations, modifications, and changes may be made without departing from the true scope and spirit thereof as defined by the appended claims.

What is claimed is:

1. An anchor for securing the end of a strap to the side wall of a container having an opening through which the strap passes, said anchor comprising a flat body, recess means in the edge of said body for receiving said strap after passing through said opening, means on said edge of said body at least partially closing said recess and adapted to retain the strap therein, said body further including an aperture spaced from said recess means and said body being folded upon itself along a line through said aperture with said folded portion being spaced from said body to form a strap clamp and strap engaging elements on said folded portion and on said body adjoining the last said opening whereby said strap upon insertion through said aperture is secured to said anchor by forceably closing said clamp and urging said engaging elements into said strap.

2. An anchor according to claim 1 wherein said strap engaging elements comprise pointed tabs extending from the edge of said aperture and from the edge of said folded body portion.

3. An anchor according to claim 1 wherein said strap engaging elements comprise pointed tabs spaced about the periphery of said aperture and extending outwardly therefrom and spaced along the edge of said folded body portion.

4. An anchor according to claim 1 wherein said aperture is essentially circular and includes a pair of diametral slots extending outwardly from the circular aperture portion and wherein said line of fold extends through said slots.

5. An anchor according to claim 1 wherein said aperture is in the form of an elongated oval with the major axis of said oval being coincident with said line of fold.

6. A strap anchor comprising an essentially rectangular plate with first and second sets of opposing edges, means adjoining one edge of the first set of edges for slidably receiving said strap, an opening between said means and the other edge of the first set, strap engaging elements adjoining the edge of said opening and extending outwardly from one face of said plate, and strap engaging elements adjoining said other edge of the first set of

edges and extending outwardly of said plate and in the direction of the first said elements, said plate being folded upon itself along a line intersecting the last said opening and substantially parallel to said first set of edges to form an open strap receiving clamp, said clamp adapted to be closed upon insertion of said strap through the last said opening to secure the strap to the anchor.

7. A strap anchor according to claim 6 wherein said strap engaging elements comprise pointed tabs.

8. A strap anchor according to claim 6 wherein said strap engaging elements comprise pointed tabs spaced about the periphery of the last said opening.

9. A strap anchor according to claim 6 wherein said opening is essentially circular and includes a pair of outwardly extending diametral slots aligned with said line of fold.

10. A strap anchor according to claim 6 wherein said opening is essentially in the form of an oval with the major axis of the oval being substantially coincident with the line of fold.

11. An anchor for securing the end of a strap to the side wall of a container having an opening through which the strap passes, said anchor comprising a flat body, means adjoining the edge of said body for receiving and engaging said strap after passing through said opening, said body further including an opening spaced from said means and being folded upon itself along a line through the last said opening with said folded portion being spaced from said body to form a strap clamp and strap engaging means carried by said body whereby said strap upon insertion through the last said opening is secured to said anchor by forceably closing said clamp and urging said means into said strap, said strap engaging means comprising pointed tabs on the periphery of the last said opening and on the edge of said folded portion.

#### References Cited

##### UNITED STATES PATENTS

438,051	10/1890	Bernstein.
631,284	8/1899	Ellison.
849,921	4/1907	Schelling.
1,405,426	2/1922	Odson.

##### FOREIGN PATENTS

10,505	5/1903	Great Britain.
--------	--------	----------------

BERNARD A. GELAK, *Primary Examiner.*