W. P. BOSSERMAN.

ADJUSTABLE DETACHABLE BAIL.

APPLICATION FILED JAN. 22, 1917.

1,294,610.

Patented Feb. 18, 1919.

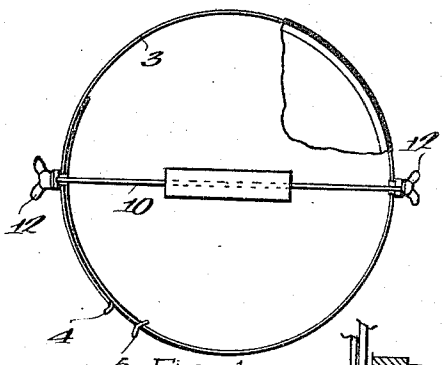


Fig. 1

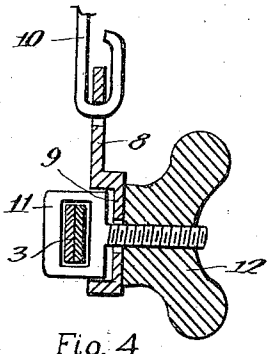


Fig. 4

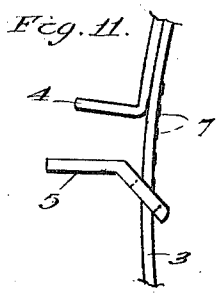


Fig. 11.

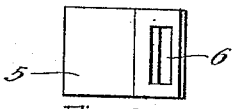
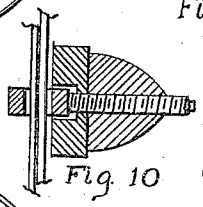


Fig. 6


Fig. 10

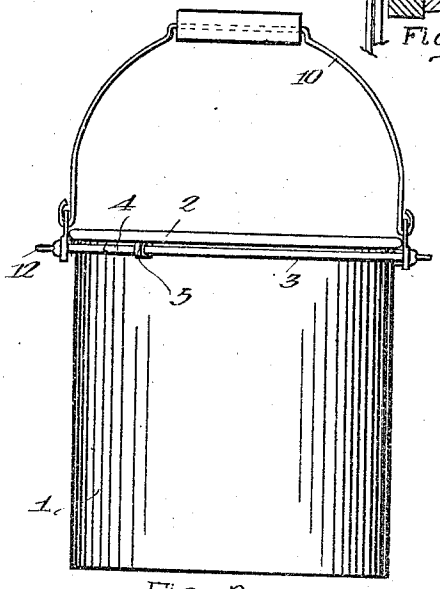


Fig. 2

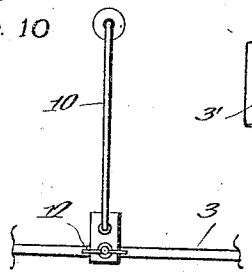


Fig. 3

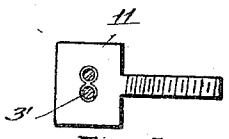


Fig. 5

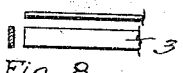


Fig. 8

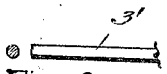


Fig. 9

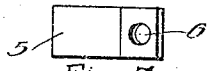


Fig. 7

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UNITED STATES PATENT OFFICE.

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ADJUSTABLE DETACHABLE BAIL.

1,294,610. Specification of Letters Patent. **Patented Feb. 18, 1919.**

Application filed January 22, 1917. Serial No. 143,838.

To all whom it may concern:

Be it known that I, WILLIAM PHILIP BOSSERMAN, a citizen of the United States, residing at Tangier, in the county of Woodward and State of Oklahoma, have invented a new and useful Improvement in an Adjustable Detachable Bail, of which the following is a specification.

This invention relates to carriers for jars or other receptacles which are not provided with handles or any means by which they may be pendently supported, and aims especially to produce an adjustable and detachable carrier which may be affixed to different sizes of receptacles, and may be readily detached when desired.

Other objects of the invention are to provide a simplified structure which may be quickly engaged with the receptacle; to provide a bail of the usual type by which the receptacle can be conveniently carried; to provide suitable means by which the device may be readily adjusted into snug engagement with the receptacle; and to provide a structure which will in no way interfere with the person carrying the receptacle.

The above and other objects and advantages of this invention will be in part described, and in part understood from the following description of the present preferred embodiment, the same being illustrated in the accompanying drawings, in which:

Figure 1 is a top plan view of my improved carrier showing the same associated with a part of a receptacle,

Fig. 2 is a side elevational view of a receptacle embodying my improvement,

Fig. 3 is a side elevational fragmentary view of my device showing to advantage the thumb nut by which the device is held in engagement with the receptacle,

Fig. 4 is a transverse sectional view of the invention illustrating to advantage the manner in which the receptacle embracing member is held and showing a portion of the supporting bail,

Fig. 5 is a side elevational view of an eye-bolt used in this invention,

Fig. 6 is a side elevational view of a finger grip used in this invention.

Fig. 7 is a similar view of a slightly modified form of grip,

Fig. 8 is a sectional, fragmentary edge and side elevational view, respectively of the receptacle embracing ring,

Fig. 9 is a sectional and fragmentary side elevational view of a slightly modified form of same,

Fig. 10 is a detailed longitudinal sectional view of the eye-bolt showing the thumb nut in section thereon and showing the lapping ends of the split ring extending through the eye of said bolt, and

Fig. 11 is a fragmentary top plan view of the ring showing to advantage the means by which the same is adjusted into snug engagement with receptacle.

In the drawings a receptacle 1 of the usual configuration is shown which is equipped at its upper end with an annular flange 2.

My improved carrier consists of a receptacle embracing split ring 3 which may either be flat in cross section as shown in Fig. 8 or round in cross section as shown in Fig. 9. One end of the ring is bent out at right angles to provide a finger abutment 4 while the other end laps the inner periphery of the right angled end thereof as shown to advantage in Fig. 1. A finger grip 5 is slidably mounted on said ring, and in this instance comprises a bent metal plate, the inner end of which is offset and provided with an opening 6 which is relatively wider than the ring, so as to slide freely over the latter but being bindable therewith when pressure is exerted upon the thumb piece at the other end of the finger grip. The opening 6 may be either rectangular or circular as shown in Figs. 6 and 7, to correspond with the contour of the ring, shown in Figs. 8 and 9. It is to be understood that the finger grip 5 is coöperable with the finger abutment 4 so that the ring, may be drawn into snug engagement with the outer periphery of the receptacle. If desired, small projections may be formed on the inner periphery of the ring, as indicated at 7 and shown to advantage in Fig. 11 in order to prevent slippage.

Ears 8 are provided each of which comprises a plate the lower end of which is pressed outwardly to produce a recess 9 while the upper end of each is provided with an opening through which the end of a bail 10 is engaged. The recess 9 is adapted to receive the head of an eye-bolt 11, the shank of the bolt being threaded and mounted through an opening in the recess end of the ear while the ring passes through the eye. A thumb nut 12 is mounted upon the threaded shank of the bolt 11 through

the medium of which the lapping ends of the ring are clamped together against movement in the manner shown to advantage in Fig. 4.

In the use of this device, the ring 3 is first placed around the receptacle 1 after which the bolts 11 are arranged at substantially diametrical points and the ends of said ring overlapped through the eye of one of the bolts. Then the thumb nuts 12 are threaded on the shanks of the bolts and operated into snug engagement with the ears 8 so as to clamp the ears against movement. It is of course to be understood that in order to draw the ring snugly in engagement with the receptacle, the finger abutment 4 and the finger grip 5 are pressed toward each other with an obvious result.

It will be understood that the above description and accompanying drawings comprehend only the general and preferred embodiment of my invention and that various minor changes in details of construction, proportion and arrangement of parts may be made within the scope of the appended claims without sacrificing any of the advantages of my invention.

I claim:

1. In a carrier of the type described, the combination with a split ring having lapping ends whereof the outermost is turned out into a finger abutment, and a finger grip having an opening near one end adjustably embracing the inner end of said ring, its other end constituting a thumb piece standing adjacent said abutment; of eye-bolts embracing said ring at diametrically opposite points, ears on the shanks of the bolts, and a bail connecting the ears.

2. In a carrier of the type described, the combination with a split ring having lapping ends whereof the outermost is turned out into a finger abutment, and a finger grip having an opening near one end adjustably embracing the inner end of said ring, its other end constituting a thumb piece standing adjacent said abutment; of eye-bolts embracing said ring at diametrically opposite points, ears having recesses receiving the heads of said bolts and openings through which their shanks pass, their nuts abutting the outer sides of the ears, and a bail pivotally connecting said ears.

3. In a carrier of the type described, the combination with a split ring adapted to surround a can and having lapping ends; of two eye-bolts, one embracing said ends where they lap and the other embracing the ring at a point opposite the first, ears having recesses receiving the heads of said bolts and openings through which their shanks pass, their nuts abutting the outer sides of the ears, and a bail pivotally connecting said ears.

WILLIAM PHILIP BOSSERMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."