March 24, 1953 C. C. BIDDLECOMBE 2,632,580

LOCKING HANDLE FOR RECEPTACLE COVERS

Filed Sept. 19, 1950

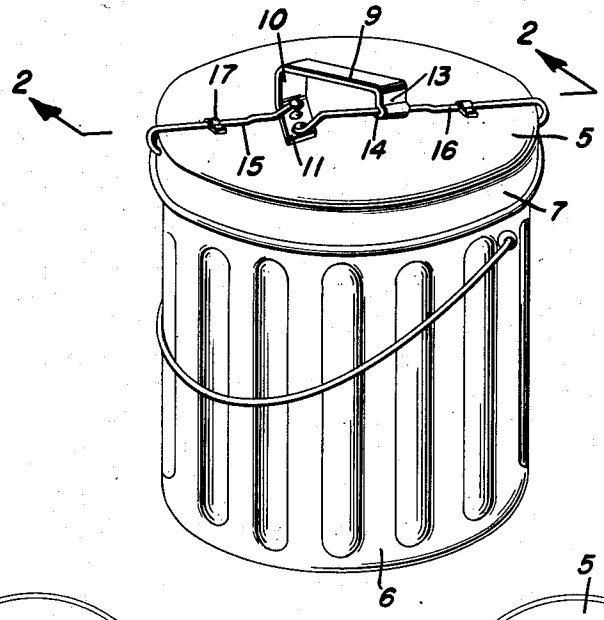


Fig. 1

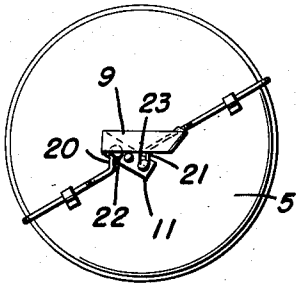


Fig. 3

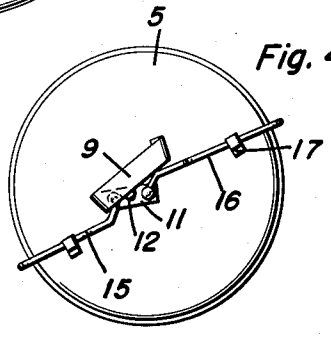


Fig. 4

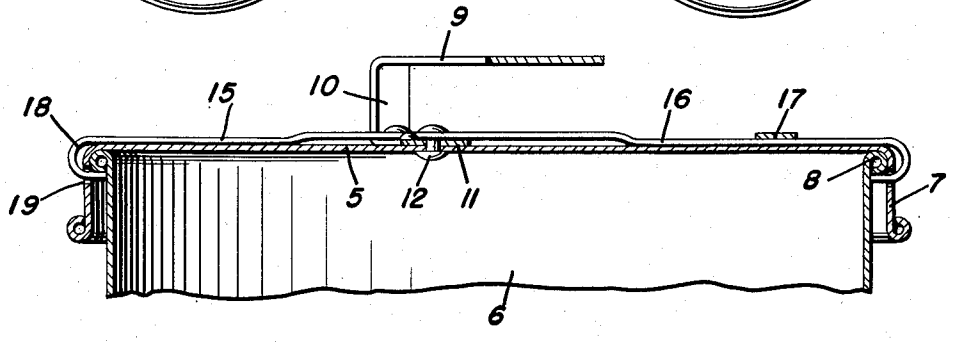


Fig. 2

Inventor

Charles C. Biddlecombe

By Clarence A. O'Brien and Harvey B. Jacobson

Attorneys

Patented Mar. 24, 1953 2,632,580

UNITED STATES PATENT OFFICE

2,632,580

LOCKING HANDLE FOR RECEPTACLE COVERS

Charles C. Biddlecombe, North Valley Stream, N. Y.

Application September 19, 1950, Serial No. 185,540

1 Claim. (Cl. 220—55.7)

1

The present invention relates to new and useful improvements in locking devices for the covers of trash and garbage cans and other receptacles and more particularly to a locking handle for the cover.

An important object of the invention is to provide a pair of locking arms slidably carried at diametrically opposite sides of a cover and with their outer ends engageable under the beading of a receptacle on which the cover is placed and providing the cover with a pivoted handle connected to the locking arms to slide the latter into and out of locking position.

Another object of the invention is to provide the handle with a catch engageable with one of the locking arms to lock the handle and arms in locked position.

A still further object is to provide a device of this character of simple and practical construction, which is efficient and reliable in operation, strong and durable, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, references being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view;

Figure 2 is an enlarged transverse sectional view taken on the line 2—2 of Figure 1;

Figure 3 is a top plan view showing the handle in locked position, and

Figure 4 is a similar view showing the handle in locked position.

Referring now to the drawing in detail wherein for the purpose of illustration I have disclosed a preferred embodiment of my invention, the numeral 5 designates a cover for a receptacle 6, such as a trash or garbage can, the cover including a skirt portion 7 positioned outwardly of the receptacle and over a beading 8 at the upper edge of the receptacle.

A handle 9 of strap metal is formed at one end with a leg 10 having an inwardly projecting flange 11 pivotally or swingably connected to the top of the cover 5 by means of a rivet or similar fastening device, as at 12. The leg 10 supports the handle 9 in a raised position above the cover 5 and the other end 13 of the handle is bent downwardly and is formed with a groove or lip 14 functioning as a catch.

The pair of locking arms 15 and 16 are slidable in guides 17 secured to the top of cover 5

2

and with the arms positioned radially with respect to the pivot 12 of the handle and extending toward diametrically opposite sides of the cover. The outer ends of arms 15 and 16 are formed with inwardly curved hooks or detents 18 slidable inwardly through openings 19 in skirt 7 of the cover 5 to engage under the beading 8 of the receptacle.

The inner ends of arms 15 and 16 are formed with inclined portions 20 and 21 respectively, positioned parallel to each other, and with end 20 pivoted on a rivet or the like 22 attached to flange 11 inwardly of pivot 12 and end 21 of arm 16 is similarly pivoted to flange 11 by means of a rivet or the like 23 positioned outwardly with respect to pivot 12.

In the operation of the device handle 9 is pivoted or rotated on its pivot or rivet 12 whereby to slide arms 15 and 16 inwardly or outwardly on top of cover 5. By turning handle 9 in a direction to slide arms 15 and 16 outwardly the hooks 18 at the outer end of the arms will be moved outwardly from beading 8 to unlock the cover from the receptacle 6 and the handle 9 may then be used to lift the cover from the receptacle.

By turning handle 9 in an opposite direction hooks 18 will slide inwardly under beading 8 to lock the cover to the receptacle.

The locking arms 15 and 16 are preferably constructed of a metal rod having sufficient resiliency whereby rod 16 may be engaged by catch 14 to lock the handle 9 from swinging or pivotal movement, the handle 9 being positioned at an angle with respect to flange 11 so that the catch 14 will hold the arms 15 and 16 in a locked position with respect to beading 8.

In view of the foregoing description taken in conjunction with the accompanying drawings, it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention, the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claim.

Having described the invention, what is claimed as new is:

A lock for a receptacle cover comprising a strap metal handle having a leg at one end and a horizontal flange at the lower end of the leg pivoted to the cover for horizontal turning movement of

the handle, a pair of locking arms slidably carried radially by the cover and pivoted at their inner ends to the flanges at opposite sides of the handle pivot for uniform inward and outward locking movement at the sides of the receptacle, and a catch at the other end of the handle lockably engaged with one of the arms to hold the handle from turning.

CHARLES C. BIDDLECOMBE.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
831,353	Johnston	Sept. 18, 1906
1,141,832	Rust	June 1, 1915
1,142,052	Paquette	June 8, 1915
2,238,379	Tiffany	Apr. 15, 1941
2,269,830	Schayot et al.	Jan. 13, 1942