E. S. AMROCK.

CAN COVER.

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1,205,835. Patented Nov. 21, 1916.

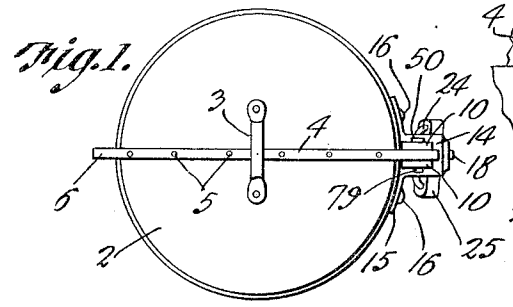


Fig. 1.

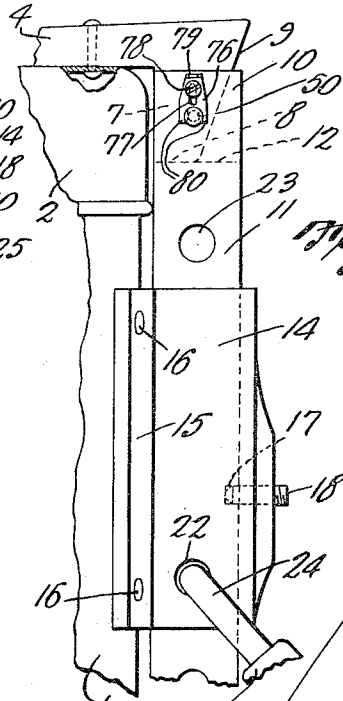


Fig. 2.

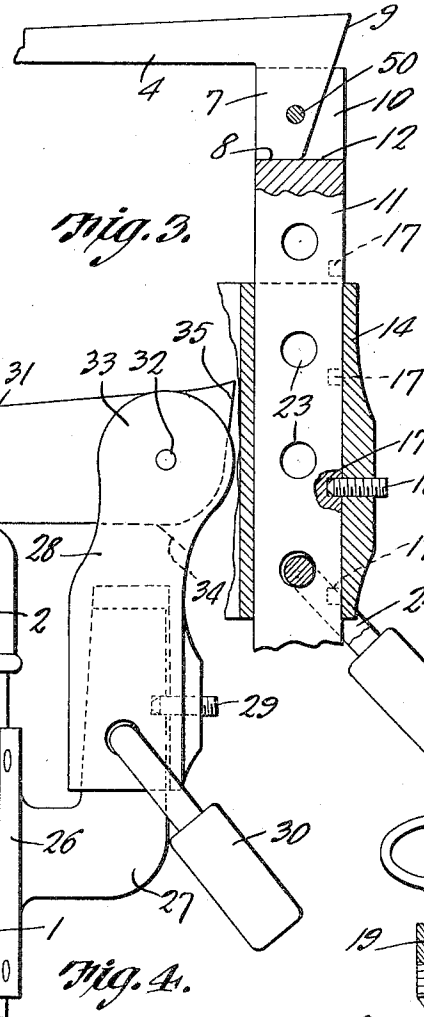


Fig. 3.

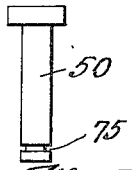


Fig. 7.

Fig. 4.

Fig. 6.

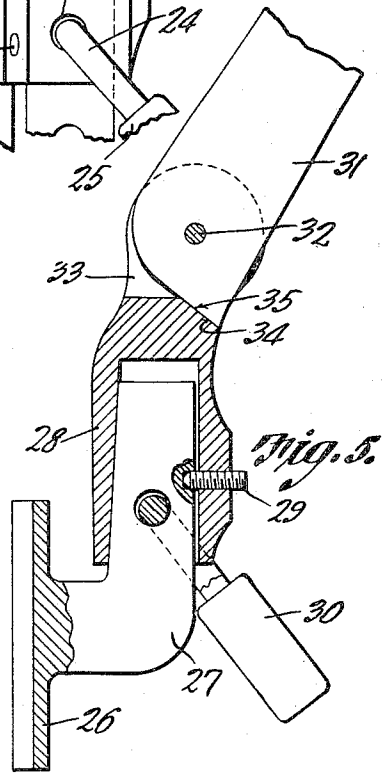


Fig. 5.

Witnesses

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CAN-COVER.

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To all whom it may concern:

Be it known that I, EDWARD S. AMROCK, a citizen of the United States, residing at Mobile, in the county of Mobile and State of Alabama, have invented a new and useful Can-Cover, of which the following is a specification.

The device forming the subject matter of this application is a means for attaching a cover to a garbage can, so that the cover may swing vertically to and from closed position, the construction being such that the cover can be removed only by the garbage collector, at the time the contents of the can are dumped, it being impossible for unauthorized persons to remove the cover.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the present invention appertains.

With the above and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawing: Figure 1 shows the invention in top plan; Fig. 2 is a fragmental side elevation; Fig. 3 is a vertical sectional figure illustrating the structure shown in Figs. 1 and 2; Fig. 4 is a fragmental side elevation showing a modified form of the invention; Fig. 5 is a vertical sectional figure wherein sundry parts appear in elevation, the figure illustrating the modification shown in Fig. 4; Fig. 6 is a sectional detail of the locking screw, the parts shown in Fig. 6 being applicable to either form of the invention. Fig. 7 is a side elevation of the pivot bolt.

The numeral 1 indicates a garbage can provided with a cover 2. The cover 2 may carry a handle 3 as is common. The handle 3 is not a mandatory part of the present invention, but when the device forming the subject matter of this application is used in connection with covers having the handle 3, the handle 3 may be permitted to remain.

In carrying out the present invention there is provided an arm 4 attached to the cover 2 by means of rivets 5 or otherwise, one end of the arm 4 projecting beyond the periphery of the cover, as shown at 6, to form a finger piece whereby the cover may be lifted. The arm 4 embodies a depending extension 7 having angularly disposed edges 8 and 9. The extension 7 of the arm is received between ears 10 formed at the upper end of a spindle 11, there being a shoulder 12 in the spindle, between the ears. By means of a pivot element 50, the extension 7 is united with the ears 10. When the cover 2 is swung to an open position, the edge 9 of the extension 7 coacts with the shoulder 12 and limits the rearward swinging movement of the cover.

The spindle 11 preferably is of rectangular cross section and is received in and held against rotation by, a socket 14 embodying a foot plate 15 secured by means of rivets 16 or otherwise to the can 1. In the outer edge of the spindle 11 are formed a plurality of seats 17, any one of which may be engaged by a set screw 18 threaded into the back of the socket 14. The set screw 18 may be variously constructed without jeopardizing the utility of the invention. In the present embodiment of the invention, but not of necessity, the set screw 18 is provided with a socket 19 adapted to receive the square shank 20 of a key 21. If desired, the spindle 11 may be provided with openings 23, any one of which may be alined with openings 22 formed in the opposed sides of the socket 14. Through the openings 22 and 23 may be passed the shackle 24 of a pad lock 25.

It will be seen that through the instrumentality of the construction above described, the cover 2 may be securely attached to the can 1 for swinging movement in a vertical plane, it being impossible for unauthorized persons to remove the cover, bodily, and a loss of the cover being unlikely. When the garbage collector desires to remove the cover, this operation may be brought about by loosening the set screw 18 or by removing the pad lock 25 or both. Either the pad lock 25 or the set screw may be used to the exclusion of the other, but when both are used, the inner end of the set screw, engaging the seats 17, constitute a means for lining up the openings 22 and 23 to receive the shackle 24 of the pad lock 25.

In the modification shown in Figs. 5 and 4, a foot plate 26 is secured to the cam and carries an angular spindle 27. The lock 30

and the set screw 29 are of the form hereinbefore described. The arm 31 is secured to the cover of the garbage can and is pivoted as shown at 32 to ears 33 constituting a part of a socket 28 receiving the upper end of the spindle 27 removably. The arm 31 is provided with an end edge 35 adapted to coact with an inclined shoulder 34 on the socket to limit the rearward swinging movement of the can cover.

The device forming the subject matter of this application comprises, briefly considered, in combination with a receptacle and a cover, a vertically movable carrying member, means for locking the carrying member to the can against vertical movement; and a hinge element connecting the carrying member with the cover to permit the cover to move vertically, as distinguished from a horizontal or lateral movement.

Although the part 1 has been described hereinbefore as a garbage can, it will be understood that the structure is of utility in connection with receptacles of every sort embodying a cover, and adapted to be handled by a collector.

The invention may comprise a movable latch 76 having a slot 77 receiving a screw 78 or other holding device which enters the spindle 11, the latch being provided at its upper end with a finger piece 79 whereby it may be manipulated, the latch terminating at its lower end in spaced legs 80. The pivot bolt 50 may be circumscribed by a groove 75 adapted to receive the legs 80 of the latch, it being possible to tighten down the screw 78 to hold the latch in place. This portion of the structure is of peculiar utility when it is desired to ship the structure in small compass, it being possible, by loosening the screw 78 and by lifting the latch 76 to withdraw the pivot bolt 50, the cover in this manner being disconnected from the spindle 11.

Having thus described the invention, what is claimed is:—

1. In a device of the class described, a can; a cover therefor; an arm secured to the cover; coöperating elements comprising a spindle and a socket receiving the spindle removably; one of said coöperating elements being attached to the can; means for pivotally connecting the other of said coöperating elements to the arm to permit a vertical swinging movement of the cover to and from a closed position; and a movable element under the control of an operator and engaging the said coöperating elements to hold the same united.

2. In a device of the class described, a can; a cover therefor; an arm secured to the cover; coöperating elements comprising a spindle and a socket receiving the spindle removably; one of said coöperating elements being attached to the can; means for pivotally connecting the other of said coöperating elements to the arm to permit a vertical swinging movement of the cover to and from a closed position; a set screw threaded into one of said coöperating elements and engaging the other of said coöperating elements; a removable key; and interengaging elements on the said screw and the key.

3. In a device of the class described, a can; a cover therefor; an arm secured to the cover; coöperating elements comprising a spindle and a socket receiving the spindle removably, one of said coöperating elements being attached to the cam; means for pivotally connecting the other of said coöperating elements with the arm to permit vertical swinging movement of the cover to and from a closed position; and a pad lock forming an operative connection between said coöperating elements.

4. In a device of the class described, a can; a cover therefor; coöperating elements interengaged for relative vertical sliding movement but against rotation about a vertical axis; means for securing one of said coöperating elements permanently to the cover; means for securing the other of said coöperating elements permanently to the side wall of the can adjacent the top of the can; a pivot member uniting said coöperating elements to permit a vertical swinging movement of the cover; and releasable means under the control of an operator and uniting the said coöperating elements to prevent relative vertical movement therebetween.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

EDWARD S. AMROCK.

Witnesses:
WM. F. SULLIVAN,
MARY T. AMROCK.

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