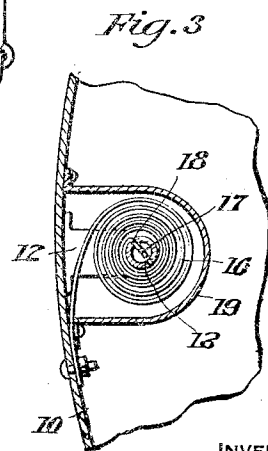
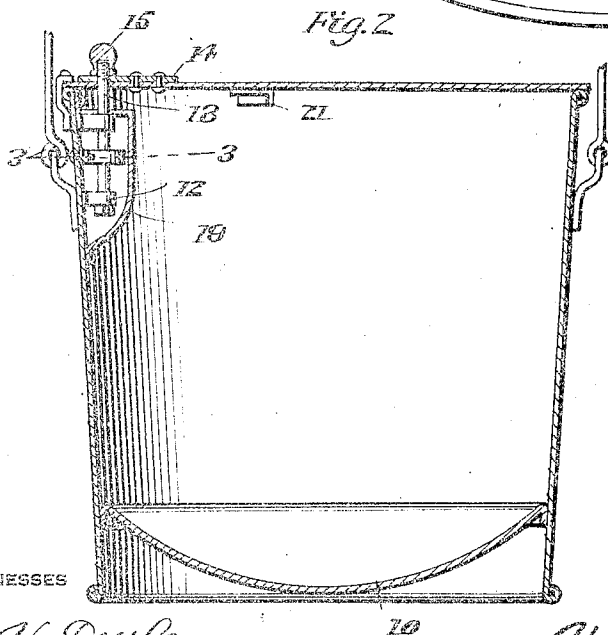
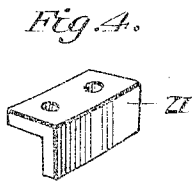
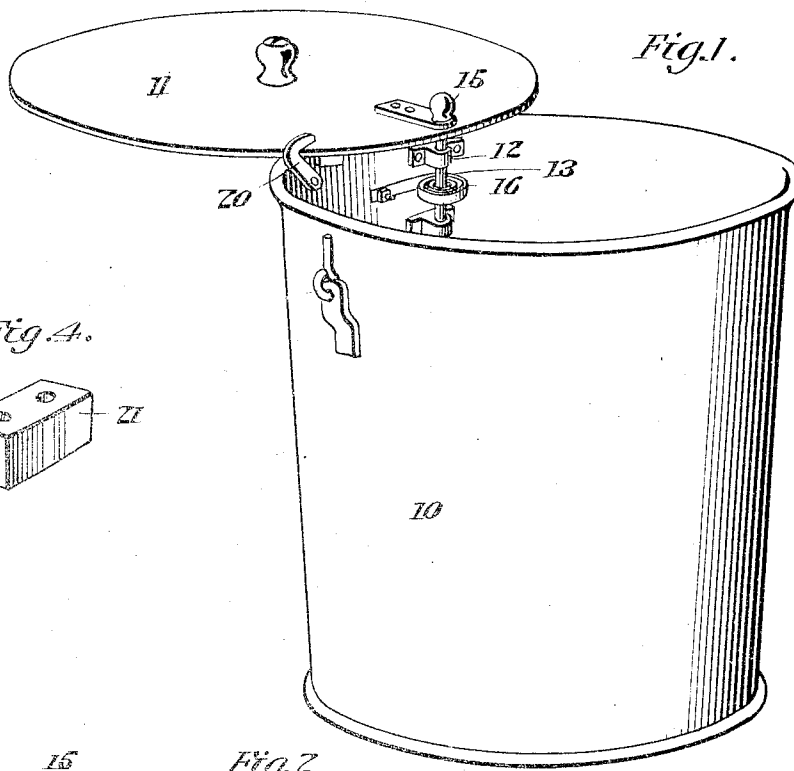


L. TEVEN.
 SANITARY GARBAGE CAN.
 APPLICATION FILED DEC. 13, 1916.

1,230,623.

Patented June 19, 1917.



WITNESSES

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SANITARY GARBAGE-CAN.

1,230,623.

Specification of Letters Patent.

Patented June 19, 1917.

Application filed December 13, 1916. Serial No. 136,745.

To all whom it may concern:

Be it known that I, LOUIS TEVEN, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Sanitary Garbage-Cans, of which the following is a specification.

The present invention comprehends the provision of means whereby a cover for a receptacle may be automatically returned to a closed position, subsequent to being opened, and said means serving to hold the cover against casual derangement upon the receptacle when in closed position.

The invention has particular application to covers for garbage receptacles, which as a rule are left standing outdoors, and in carrying out my invention I aim to provide a construction whereby the cover of the receptacle cannot be opened by animals in their efforts to gain access to the receptacle, or when the receptacle is turned over.

Another important object of the invention resides in the provision of means for holding the cover in opened position, and means for limiting the movement of the cover to a closed position.

Other objects of importance will appear as the nature of the invention is better understood from the following detail description when taken in connection with the accompanying drawing, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawing forming part of this specification like numerals of reference indicate similar parts in the several views and wherein:—

Figure 1 is a perspective view showing the cover in its opened position.

Fig. 2 is a vertical sectional view through the receptacle with the cover in its closed position.

Fig. 3 is a fragmentary plan view taken on line 3—3 of Fig. 2.

Fig. 4 is a detail view of the stop element for the cover for limiting the adjustment of the latter to closed position.

Referring to the drawing in detail 10 indicates the receptacle, and 11 the cover therefor. While it has hereinabove been stated that the invention has particular application to garbage receptacles and covers therefor, it is of course to be understood that a general application of the invention

is contemplated by the claims. The receptacle can vary in design, but as shown in this specific instance is of cylindrical formation, while the cover 11 is of corresponding contour.

Arranged within the receptacle and secured to the wall thereof in any suitable manner are spaced apertured lugs 12, the latter being arranged in superimposed relation and constituting bearings for the shaft 13, the latter being mounted to revolve within said bearings. The shaft is attached to the cover 11 in any suitable manner, preferably by extending it through alined openings in the cover and plate 14, which latter is riveted to the cover. The upper extremity of the shaft is threaded to accommodate an interiorly threaded knob or other suitable fastening element indicated at 15. By reason of this construction it is manifest that the cover is mounted for swinging or pivotal movement upon the receptacle, and is capable of being swung to an opened position as illustrated in Fig. 1.

With a view of automatically returning the cover to a closed position, and holding the cover in this position against casual derangement, I preferably employ a spring 16 wound about the shaft 13, the innermost extremity of the spring being offset as at 17 and received within a slot 18 in said shaft, while the opposite end of the spring is detachably secured in any suitable manner to the wall of the receptacle. It is manifest that the spring is so associated with the enumerated parts that should the spring become broken or otherwise injured it may be readily and easily removed and another spring substituted therefor. When the cover 11 is swung to an opened position illustrated in Fig. 1, the spring is drawn taut about the shaft 13 and thus placed under tension, so that when the cover is released the spring functions to automatically return the cover to its normal or closed position, the spring possessing the requisite strength to hold the cover in closed position against casual derangement, and especially against the force of animals in their attempt to gain access to the receptacle. Secured to the wall of the receptacle, interiorly of the latter, is a casing 19 of cross sectional configuration to neatly inclose the lugs 12 and spring 16 whereby these parts are housed against the effects of the contents of the receptacle,

which obviously would effect the efficiency of the operating parts.

Pivoted within the receptacle adjacent the open end thereof, is a latch element in the nature of a hook indicated at 20, which is adapted to engage over the edge of the cover in the manner illustrated in Fig. 1, when the cover is in open position, thus retaining the cover in this position against the action or influence of the spring 16. When the latch element is released it gravitates to an inactive position within the receptacle, thus permitting the cover to automatically assume its closed position under the action of the spring 16. Secured to the under side of the cover is an angular shaped plate 21 which is disposed to engage the wall of the receptacle at the proper time, to limit the adjustment of the cover to its closed position, although if desired the stop may form a part of the pail and be disposed in the path of movement of the cover for a similar purpose.

The receptacle is preferably provided with a concavo-convex bottom whereby the lower edge of the receptacle is free from the bottom and affords a convenient and satisfactory hand hold when it is desired to tilt the receptacle to empty the same.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily apparent, I desire to have it understood that what is herein shown and described is merely illustrative of the preferred embodiment of the invention to which I do not limit myself, and it is therefore not to be considered in any way restrictive, as various changes may be resorted to when desired as falling within the scope of what is claimed.

What is claimed is:—

1. The combination with a receptacle and cover therefor, of means for mounting the cover for swinging movement, yieldable means operating to automatically return the cover from an opened to a closed position, means for holding the cover in an opened

position against the action of said yieldable means, and said holding means automatically assuming an inactive position when released.

2. The combination with a receptacle and cover therefor, of means for mounting said cover for swinging movement, yieldable means for automatically returning the cover from an open to a closed position, and an element carried by the receptacle and adapted to be moved to an obstructing position with respect to the cover to hold the latter in opened position against the influence of said yieldable means, and said element gravitating to an inactive position when separated from the cover.

3. The combination with a receptacle and cover therefor, of means for mounting the cover for swinging movement, yieldable means for automatically returning said cover from an opened to a closed position, a pivoted hook-like element normally disposed within the receptacle, and adapted to be swung to engage the edge of the cover when opened, to hold the latter in said position against the influence of said yieldable means, and said element gravitating to normal position when released from said cover.

4. The combination with a receptacle and cover therefor, of a vertically disposed shaft, spaced bearings for said shaft, said bearings being secured within the receptacle, said shaft projecting through the cover and fixed relative thereto whereby rotation of the shaft will swing the cover to an open position, a spring coiled about the shaft at a point between the bearings, said spring having one end detachably associated with the shaft and its opposite end removably secured to the receptacle, said spring operating to automatically return the cover from an open to a closed position, and means for holding the cover in an opened position against the influence of said spring.

In testimony whereof I, affix my signature.

LOUIS TEVEN.