J. A. JONES.

GARBAGE CAN.

APPLICATION FILED SEPT. 2, 1914.

1,135,810.

Patented Apr. 13, 1915.

2 SHEETS—SHEET 1.

Fig. 2.

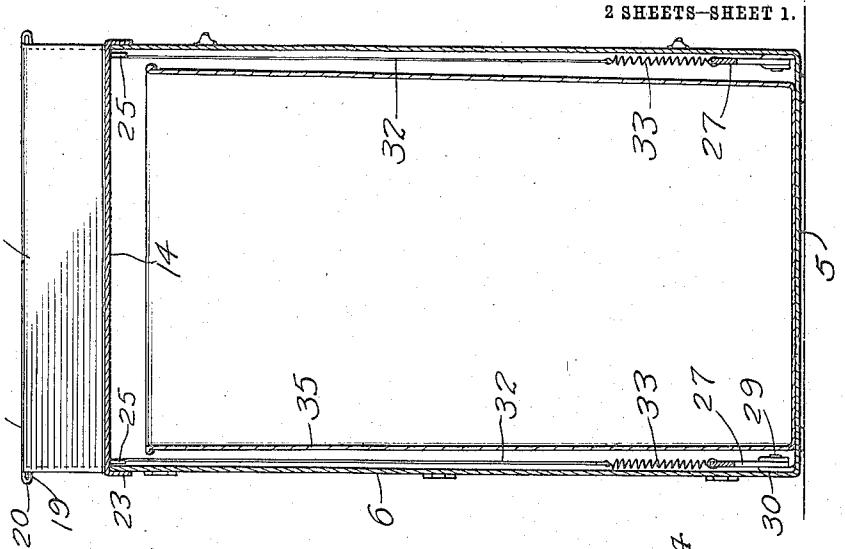


Fig. 1.

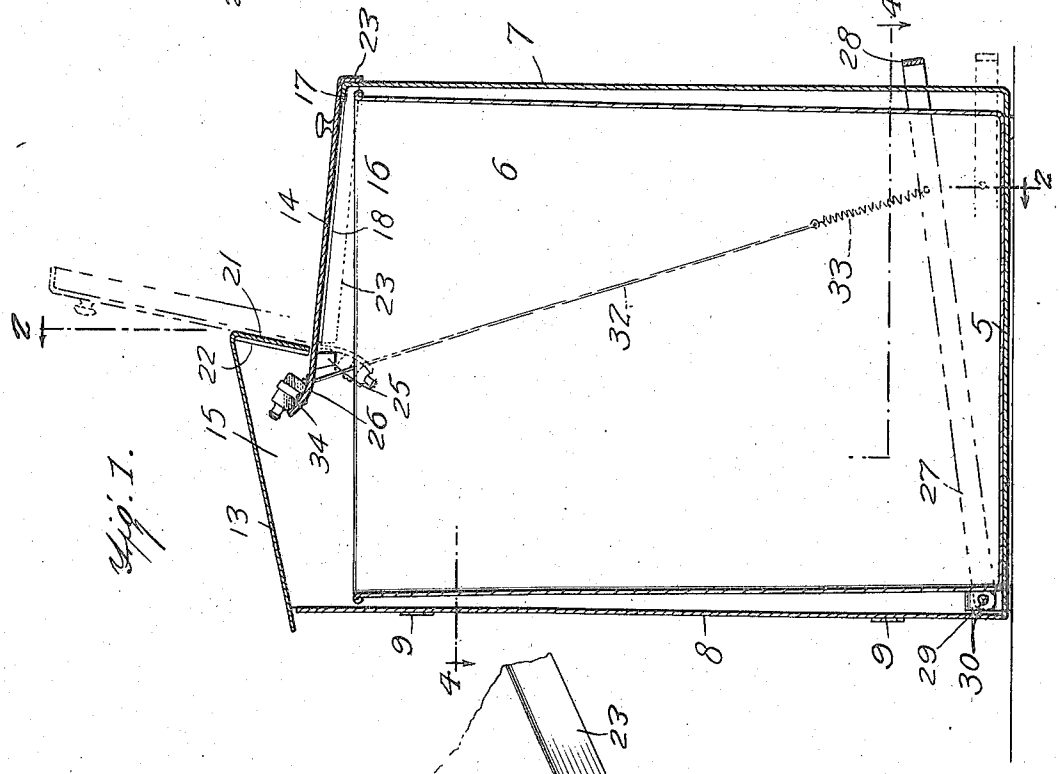
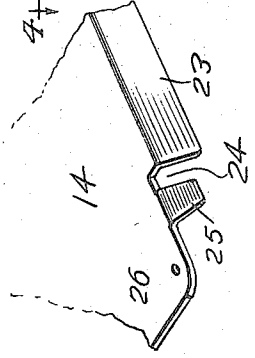


Fig. 3.



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Fig. 6.

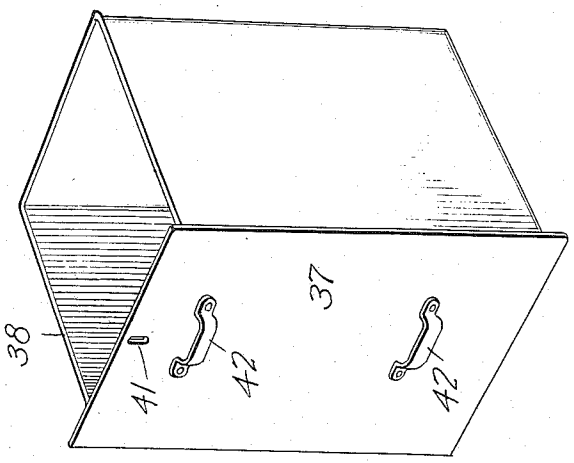


Fig. 5.

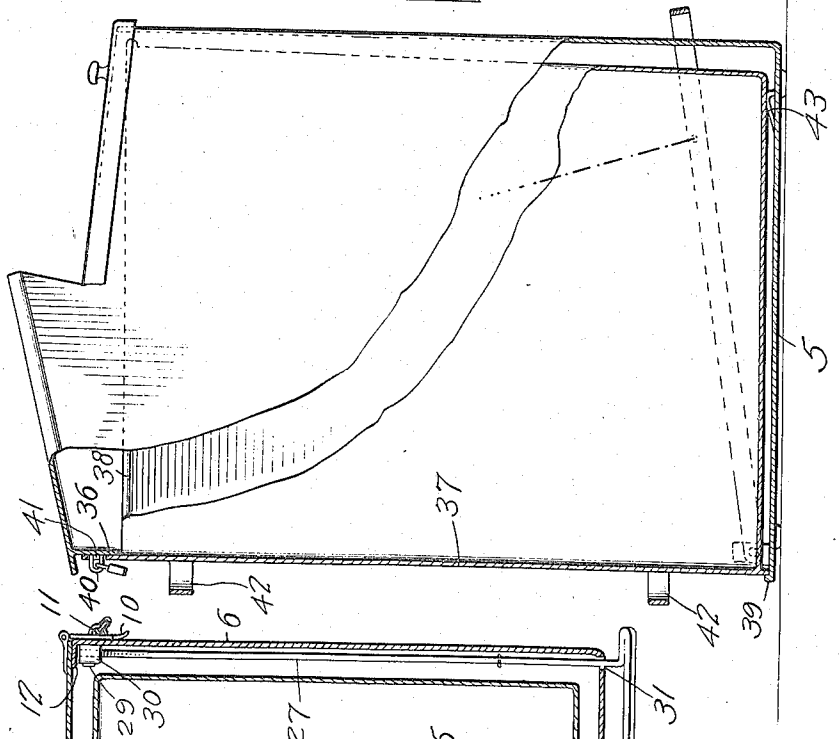
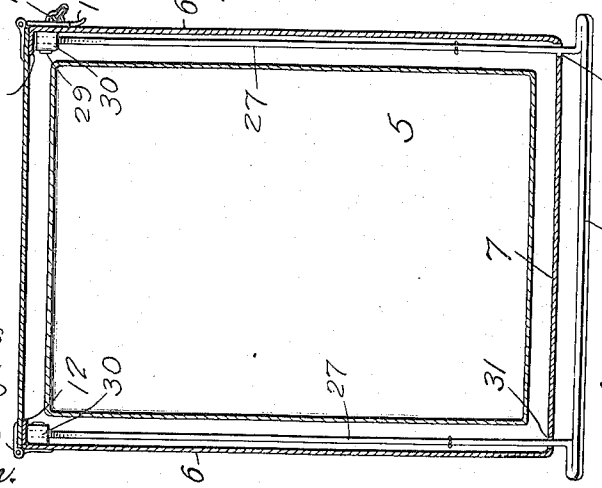


Fig. 4.



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GARBAGE-CAN.

1,135,810. Specification of Letters Patent. Patented Apr. 13, 1915.

Application filed September 2, 1914. Serial No. 859,834.

To all whom it may concern:

Be it known that I, JOHN A. JONES, a citizen of the United States, and a resident of Palestine, in the county of Anderson and State of Texas, have invented a new and useful Improvement in Garbage-Cans, of which the following is a specification.

This invention relates to improvements in garbage and trash receptacles, and one of the principal objects of the invention is to provide an improved garbage receptacle adapted for use on side walks and in public parks, and including foot-operable mechanism whereby the lid of the can may be easily opened incident to the deposiure of trash or garbage therein.

A further object of the invention is to provide a receptacle of the class described adapted to receive a removable basket or similar container into which trash is deposited, said container adapted for removal for emptying and cleaning, means being provided for preventing unauthorized removal or tampering with the container.

Still another object of the invention is to provide a device of the class described which will be extremely simple, durable, efficient in operation, and inexpensive to manufacture.

A further object is the provision of a device of the class described of a water proof construction to prevent the entrance of rain to the container inclosed within the receptacle.

With these and other objects in view which will become apparent as the description proceeds, the invention resides in the construction, combination and arrangement of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, in which like characters of reference indicate like parts throughout the figures, of which,

Figure 1 represents a vertical longitudinal central sectional view taken through a receptacle constructed according to my invention, Fig. 2 represents a vertical transverse sectional view taken on the plane indicated by the line 2—2 of Fig. 1, Fig. 3 represents a fragmentary perspective view of one of the rear corners of the lid, Fig. 4 represents a horizontal sectional view taken on the planes indicated by the line 4—4 of Fig. 1, Fig. 5 represents a side elevational view partially in section of a modified form of receptacle, and Fig. 6 represents a perspective view of the container used with the modified form.

Referring more particularly to the drawings, the receptacle includes a bottom 5, side walls 6, a front 7, and a back 8. The back is in the form of a door hinged at 9, along the side walls and provided with a clasp 10 adapted to coact with a staple 11 carried by the opposite side wall to provide a lock for the receptacle, said staple adapted to receive a padlock for preventing unauthorized opening of the door. The side walls 6 at the back of the receptacle are provided with marginal flanges 12 against which the door lies when in closed position, to prevent entrance of rain water to the interior of the receptacle. The top of the receptacle is closed partially by a removable cover 13 and partially by a lid 14. The side walls are designed at their upper ends to provide projections at 15 near the rear of the receptacle. These projections extend above the forward portions of the side walls, which portions are indicated at 16 and are slightly inclined at their upper edges downwardly from the center of the side walls. The upper edges of projections 15 are also inclined downwardly toward the rear. The upper edges of the front wall and of the portions 16 of the side walls are bent inwardly to provide flanges 17 and 18 respectively. Upon these flanges is adapted to rest the lid 14. The upper edges of the extensions 15 are turned outwardly to provide flanges 19 upon which the guiding channels 20 of cover 13 slide, the said channels being formed by bending the edges of the cover to substantially U-shape as indicated in Fig. 2. The front of the cover is bent downwardly as at 21 and bears at its ends against inwardly extending flanges 22 formed on the substantially vertical portions of the side walls connecting the upper edges of the extensions 15 and portions 16. By crimping channels 20 upon flanges 19, the cover could be made irremovable if so desired.

The depending portion 21 of the cover is slightly inclined, and provides a closure for an opening which would otherwise occur between the lid 14 and the body portion of the cover 13. The cover at its rear end slightly overhangs the door. The lid is provided along three edges with a marginal depending flange 23 engaging the top of the receptacle on the outside thereof. Near the rear ends of the side portions of the flanges the latter are recessed at 24 to provide depending tabs or ears 25. The latter depend within the receptacle, while the flange 23 depends without the same, and the rear or inner end 26 of the lid adjacent the ears 25 extends below the lower ends of the substantially vertical flanges 22. This construction allows the opening of the lid upon the rear ends of flanges 18 as a center, and at the same time provides a locking engagement between the receptacle and the lid such as to prevent accidental or unauthorized removal of the lid.

The rear end 26 of the lid projects inwardly within the depending portion 21 of the cover for quite a distance, and as indicated in Fig. 1, it is curved upwardly so that should any rain water beat in beneath the closure portion 21 of the cover, the curvature and the inclination of the lid will insure the drainage of the water from the lid. Disposed within the receptacle at the bottom thereof is a foot-operable lever including lever arms 27 and a crosspiece 28. Arms 27 are disposed in close proximity to the side walls of the receptacle, and are pivoted at their rear ends at 29 to lugs 30 struck up from the bottom 5 of the receptacle. At their front ends the levers extend through vertical slots 31, cut in front wall 7 near the bottom thereof. Crosspiece 28 connects the front end of the arms without the receptacle, and by means of this crosspiece the foot of the operator may be utilized in depressing the lever. Wires 32 connect arms 27 with the rear portion 26 of the lid. These wires are connected to the arms near the front ends of the latter and intermediate their ends are coiled to provide springs 33. The weight of the lid normally maintains the same in closed position. The foot lever is raised when the lid is in closed position, and upon depression of the foot lever, the lid will be raised from the closed into the open position indicated in dotted lines in Fig. 1. The portion 21 of the cover acts as a stop to limit the upward movement of the lid and being inclined insures of the falling of the lid back into place upon removal of pressure from the foot lever, so that the lid thus automatically closes. Springs 33 are provided so that should the lid become stuck or, for any other reason, refuse to operate upon pressure being placed on the lever, the springs will give to prevent straining or breaking of the parts.

A disinfectant container indicated at 34 may be disposed upon the rear end of the lid and may be provided with a shaker or similar spout so that as the lid is raised and lowered the disinfectant will be sprinkled within the receptacle. A wire basket or similar container indicated at 35 may be disposed within the receptacle through the rear door for the reception of the trash and garbage. When the container becomes full it may be removed for emptying and cleaning.

The construction of the receptacle indicated in Fig. 5 is substantially the same as has been described, with the difference that the rear door is omitted and that the upper portion of the door opening is connected by a crosspiece 36. Instead of the door for closing the receptacle a closure 37 is provided which closure forms one wall of a container 38. The edges of the closure extend beyond the container on all sides, so that when the container is positioned in the receptacle the edges of the closure overhang and abut against the marginal flanges 12 and the crosspiece 36 at the sides and top respectively of the opening. The lower edge of the closure is adapted to engage in the slightly upturned rear edge 39 of the bottom 5. A staple 40 carried centrally of the crosspiece 36 is adapted to extend through the opening 41 and to receive the pad lock whereby the closure and its attached container may be locked relative to the receptacle. Handles 42 are provided on the closure whereby the same and its container may be readily manipulated. Lugs or supports 43 are provided on the floor of the receptacle for maintaining the forward edges of the container 38 as indicated in Fig. 5.

The container 38 and closure 37 are preferably formed of fire proof material and the container 35 may also be formed of fire proof material. The operation of the lid when the modified form of container is used, is not changed in any respect.

A garbage receptacle constructed according to my invention may be utilized to great advantage on the side walks and parks of the city. The receptacles themselves may be secured in any desired manner in movable or stationary position, and the containers within the receptacles may be readily emptied from time to time so that a very sanitary garbage receptacle is provided. By reason of the rain proof construction of the receptacle no water may collect within the same which might tend to rust the receptacle and its container.

Although I have described the preferred

embodiment of my invention, I may desire to make such changes in the construction, combination and arrangement of parts as do not depart from the spirit of the invention and the scope of the appended claims.

My invention may be found to be of use in stores, warehouses and factories, for the reception of inflammable waste, oily rags and other trash, and will prevent fire in case the contents of the can should become ignited by spontaneous combustion, or otherwise.

I claim:

1. A receptacle comprising a bottom, side walls, and a front wall, a container adapted to be positioned within the receptacle, said side walls at the rear portion of the receptacle being extended, the upper edges of the extensions being inclined toward the rear of the receptacle, the front portions of said side walls having their upper edges inclined toward the front of the receptacle and being turned inwardly to provide flanges, the upper edge of said front wall being also turned inwardly to provide a coöperating flange, a lid resting upon said flanges and having a peripheral and downwardly extending flange engaging the receptacle along the outer edges thereof, said side walls at the forward ends of the extensions being provided with inwardly extended substantially vertical flanges, depending ears provided on the lid adjacent to and spaced from the ends of said depending lid flange, said ears depending within the receptacle, said lid extending below the said substantially vertical flanges, a foot lever carried by the receptacle and connecting means between said lever and lid for raising the latter upon operation of the foot lever.

2. A receptacle containing a bottom, side walls, and a front wall, said side walls at their rear portions being extended upwardly, a removable cover disposed upon the extensions of the side walls, and having a front portion depending from the cover, a lid disposed upon the forward portions of the side walls and having a depending flange engaging without the receptacle, said cover and lid being normally inclined from the center toward the rear and front respectively of the receptacle, said lid at its rear portion extending beneath the depending portion of the cover and being inclined upwardly, a foot-operable lever carried within the receptacle, connecting means between said lever and lid for raising the same upon operation of the lever, a container adapted to be positioned within the receptacle, and a closure for said receptacle whereby to maintain the container within the same.

3. A receptacle including side walls and a front wall, said side walls provided with substantially vertical flanges, and with inwardly disposed flanges, said front wall provided at its upper edge with an inwardly disposed flange to operate with the inwardly disposed flange of the side wall, a lid positioned upon the inwardly disposed flanges of the side and front walls, said lid having a depending flange engaging the outer sides of the front and side walls, said lid projecting within the receptacle beneath said substantially vertical flanges, ears depending from said lid at points occurring beneath said substantially vertical flanges, and means for operating the lid.

4. A receptacle comprising a bottom, side walls, and a front wall, an inclined removable cover connected to the side walls at the upper edges thereof, said cover being positioned over the rear portion of the receptacle, a lid disposed upon the upper edges of the side and front walls, said lid being positioned over the forward portion of the receptacle, means carried by said cover for preventing the entrance of rain between the same and the lid, a container disposed within the receptacle, means for operating the lid whereby to give access to the container, and closure means for the receptacle.

5. A receptacle including a bottom, side walls, and a front wall, said side walls provided with extended portions, said extended portions having their upper edges bent outwardly to provide guide flanges, a cover, said cover having its edges bent into substantially U-shaped channels adapted to engage said guide flanges, a movable lid disposed upon the receptacle, and means carried by the cover for limiting the movement of said lid in one direction.

6. A receptacle including a bottom, side walls, and a front wall, a lid pivotally supported upon said receptacle, said lid having a portion projecting within the receptacle beyond the pivot point of the lid, lever arms pivotally supported adjacent the side walls of the receptacle, a cross bar connecting the lever arms, and wires connected at one end to the lid near the ends of the extensions thereof, and connected at their opposite ends to said lever arms, said wires intermediate their ends being coiled to form springs.

7. A receptacle having a pivoted lid, a container adapted to be positioned within the receptacle for receiving refuse, said lid projecting at one end beyond its pivot point into the receptacle, a foot-operable lever carried by the receptacle, connecting means between the lever and lid for raising the lid as said lever is operated, said extended lid portion adapted to support a disinfectant container, whereby disinfectant may be projected within the refuse container, incident to the operation of the lid.

8. The combination of a receptacle, a con-

tainer adapted to be positioned within the same, a removable cover for said receptacle, a pivoted lid adapted to coöperate with said cover for forming a closure for the top of the receptacle, means carried by the cover for limiting the movement of said lid in one direction, means for operating said lid, closure means for the receptacle, and means for locking said closure against removal.

JNO. A. JONES.

Witnesses:
O. B. ROGERS,
CLAY COTTEN.