M. E. QUANT.

STORAGE CASING FOR REFUSE RECEPTACLES.

APPLICATION FILED DEC. 26, 1913.

1,162,878.

Patented Dec. 7, 1915.

2 SHEETS—SHEET 1.

Fig. 1.

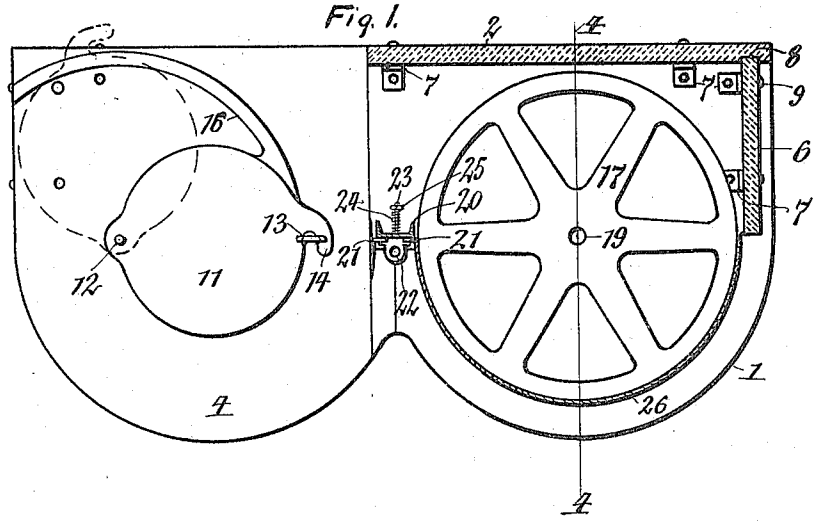
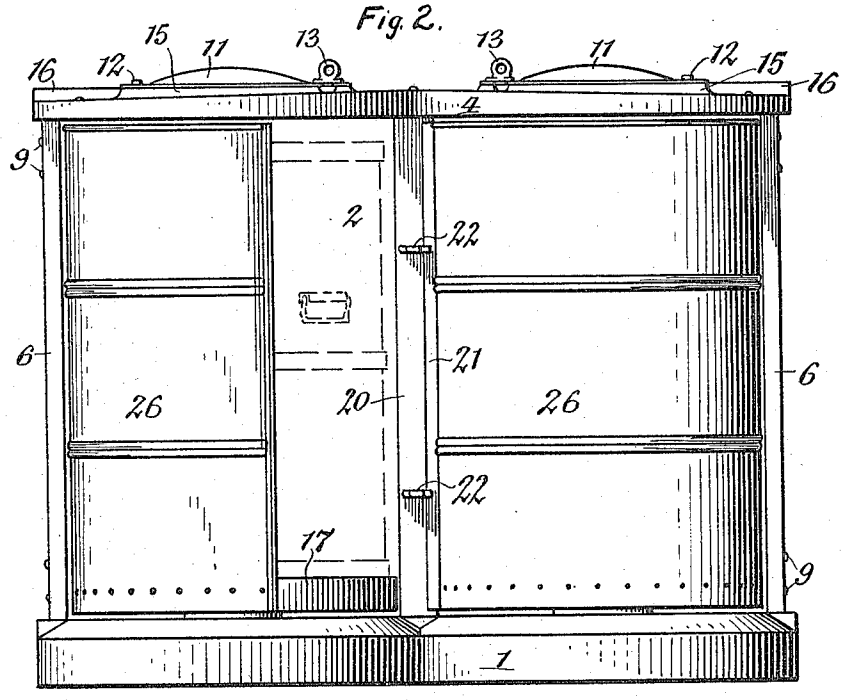


Fig. 2.



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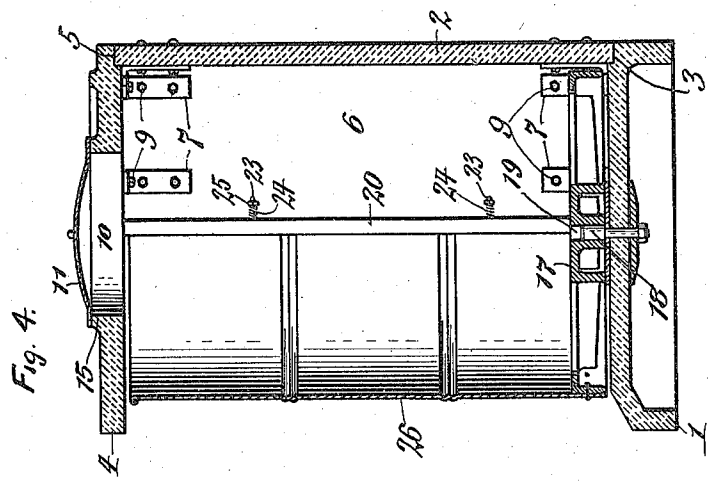


Fig. 4.

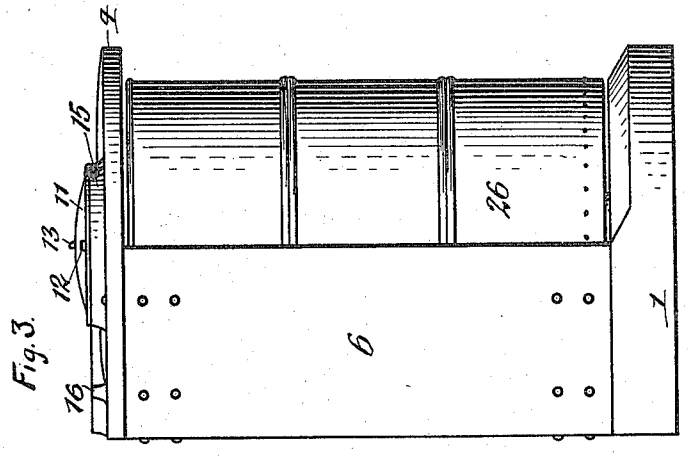


Fig. 3.

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STORAGE-CASING FOR REFUSE-RECEPTACLES.

1,162,878. Specification of Letters Patent. Patented Dec. 7, 1915.

Application filed December 26, 1913. Serial No. 808,844.

To all whom it may concern:

Be it known that I, MARVIN E. QUANT, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Storage-Casings for Refuse-Receptacles, of which the following is a specification.

This invention relates to a casing or cabinet for storing refuse or garbage receptacles for the purpose of concealing the latter and also preventing scattering of any garbage which may be placed in the same until the receptacles are removed from the casing by the collector.

It is the object of this invention to provide a casing for this purpose which is neat in appearance, which permits of readily placing the refuse receptacles within the storage space of the casing as well as the removal therefrom when it is desired to empty the receptacle, which permits of readily introducing the refuse or garbage into the receptacles while the same are in the casing and prevents the refuse or garbage from being scattered and which is so constructed that it is very durable and not liable to be affected by the action of the weather.

In the accompanying drawings: Figure 1 is a top plan view, partly in section, of a storage casing adapted for holding two receptacles. Fig. 2 is a front elevation thereof. Fig. 3 is an end elevation of the same. Fig. 4 is a vertical transverse section taken in line 4—4, Fig. 1.

Similar characters of reference indicate corresponding parts throughout the several views.

As a general rule each household is provided with at least two refuse or garbage receptacles, barrels or cans one of which is intended to receive kitchen refuse while the other is intended to receive paper, broken crockery, tin cans, etc., and the construction of the storage casing which is shown in the drawings has therefore been designed for holding two of such receptacles although the invention is equally applicable for holding but one or more of such receptacles.

In its general organization my improved storage casing comprises a stationary or fixed section which forms the main housing for the receptacles, barrels or cans, and one or more movable sections each of which is adapted to movably support a receptacle and also coöperate with the fixed parts of the casing for inclosing the receptacle while the same is in position to be filled. The fixed section of the casing comprises a lower horizontal bottom or base 1 which is preferably constructed of concrete and provided with a straight longitudinal rear edge and two straight transverse edges while its front edge is constructed to form two forward swells of substantially semi-circular form. Projecting upwardly from the rear edge of this bottom or base is a rear upright wall 2, preferably of concrete, which rests at its lower edge in a rabbet 3 on the rear edge of the bottom. Projecting forwardly from the upper edge of the rear wall is a horizontal top or cap 4, preferably of concrete, which is provided with a straight rear longitudinal edge and two straight transverse edges at opposite ends thereof, while its front edge has the form of two forward swells of substantially semi-circular form. At its rear edge the top is provided on its underside with a rabbet 5 which is engaged by the upper edge of the rear wall. 6, 6 represent two upright transverse end or side walls, preferably of concrete, each of which engages at its upper and lower ends against the under side of the top and the upper side of the bottom while its rear edge engages with a groove 8 in the front side of the rear wall. The top and bottom may be connected with the rear and side walls in any suitable manner but preferably by means of angle irons or clips 7 which are arranged in the several corners between these parts and each of which is connected with the adjacent parts of the two members to which it is applied by means of bolts 9, as shown in Figs. 1 and 4, or any other suitable means. This method of constructing the top, bottom, rear and side walls of the fixed part of the inclosing casing permits of readily manufacturing the same in the form of slabs of concrete and assembling the same as required. When thus assembled these several concrete members form a storage space which is open on its front side and forms two compartments which are arranged side by side and each of which is adapted to contain one garbage or refuse receptacle. Above each of these compartments of the storage space the top of the casing is provided with an inlet opening 10 which is normally closed by means of a lid 11 of any suitable material, preferably metal, this lid being pivoted on one side of its center to the top by

means of a vertical pin 12 while that part on the opposite side of its center is detachably connected with the top by means of a clamping screw 13 mounted on the top and adapted to engage with a hook-shaped lug 14 on the lid, as shown in Figs. 1 and 2. This lid while in its closed position preferably engages with an upwardly projecting rim 15 formed on the top around the respective inlet opening and as this lid is swung into its open position the same is preferably supported by means of a curved rib 16 which is formed integrally with the top and serves to prevent the lid from sagging and straining its pivot while in its open position.

Within the lower part of each compartment of the storage space is arranged a horizontal rotatable platform 17 upon which the refuse or garbage receptacle, barrel or can is adapted to rest. This platform is preferably constructed of circular and open work form so that any garbage or refuse which may be spilled will fall through the platform and upon the bottom from which latter it may be removed by means of a hose so as to keep the storage casing in a clean and sanitary condition. Each of these platforms may be pivotally mounted so that it can be rotated horizontally by any suitable means but preferably by means of a stud or arbor 18 secured in the bottom and projecting upwardly therefrom into a central opening 19 in the platform.

26, 26 represent two movable shutters which are adapted to close the front sides of the two compartments forming the storage space of the casing. Each of these shutters is preferably constructed of sheet metal and of semi-cylindrical form and secured with its lower edge to the periphery or margin of one of the platforms so as to extend approximately half way around the same. Each shutter extends upwardly close to the underside of the top so as to form a practical tight joint therewith for excluding the weather when the casing is closed and also preventing the removal of any garbage or refuse therebetween, thereby preventing dogs or other animals from carrying away the garbage or refuse as frequently occurs when the receptacles for this purpose are uncovered or unprotected.

In the closed position of each shutter its outer vertical edge is arranged close to the front edge of the side wall at the adjacent end of the casing and its opposite or inner vertical edge engages with the front side of an upright stop or locking bar 20, preferably of channel iron, which is arranged between the two compartments and is secured at its upper and lower ends to the top and bottom of the casing. Each shutter may be held in its closed position by any suitable fastening means but preferably by means of an outwardly projecting flange 21 arranged on the inner vertical edge of the shutter, and one or more turn buttons 22 mounted upon the outer side of the upright bar and adapted to engage with the locking flange of the shutter, as shown in Figs. 1 and 2. Each of these turn buttons is preferably held in place frictionally by extending its pivot 23 inwardly or rearwardly through an opening in the upright bar and surrounding the inner part of this pivot by a spring 24 which bears at one of its ends against the rear side of said bar and at its opposite end against a head 25 arranged at the rear end of the pivot pin, as shown in Figs. 1 and 4.

When the platforms are turned so that the shutters are on the front sides thereof and secured to the upright locking bar the storage space of the casing is completely closed so that the refuse or garbage receptacles resting upon the platforms are concealed from view and access to the same cannot be had by dogs or cats who would be liable to abstract some of the material from the receptacles and scatter it. The receptacles are, however, free to be filled with refuse or garbage through the openings in the top after swinging the lids to one side of said opening after which the latter may be again closed so as to prevent access to the receptacles at the top.

When it is desired to remove the receptacles from the storage casing for the purpose of emptying the same this can readily be done by releasing the turn buttons from the shutters and then turning the latter together with the platform so that the shutters are arranged in the rear part of the respective compartments and those parts of the platforms which are not covered by the shutters are presented to the front side of the storage space. In this position of the parts the receptacles can be readily removed from the platforms for emptying the same and again returned to the platforms preparatory to rotating the platforms and shutters for again inclosing the receptacles.

This storage casing can be produced at comparatively low cost inasmuch as it has no complicated parts, it is not liable to get out of order by exposure to the weather, it is neat in appearance, and can be readily washed and cleaned so that it is always in a sanitary condition.

I claim as my invention:

1. A storage casing for holding refuse receptacles, comprising a stationary section having a bottom, a rear wall, and a top provided with an inlet opening and separated from the bottom by a storage space which opens forwardly, and a movable section having a platform pivoted on said bottom to turn horizontally, and an upright shutter secured to one side of the margin of said platform and adapted to open and close the front side of said storage space, and an

upright bar connected at its upper and lower ends with said top and bottom and adapted to be engaged by one edge of said shutter for arresting the movement of the same when turned into its closed position.

2. A storage casing for refuse receptacles, comprising a bottom, a rear wall and a top forming part of the inclosure of a storage space which has its front side open, said top having an inlet opening, a rim on the upper side of the top around said opening and a supporting rib extending laterally from said rim, and a lid pivoted on the upper side of said top and adapted to engage said rim and rib in different positions.

Witness my hand this 20th day of December, 1913.

MARVIN E. QUANT.

Witnesses:
THEO. L. POPP,
ANNA HEIGIS.

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