

M. CARLUCCI.
RECEPTACLE FOR GARBAGE.
APPLICATION FILED OCT. 14, 1908.

936,702.

Patented Oct. 12, 1909.
3 SHEETS—SHEET 1.

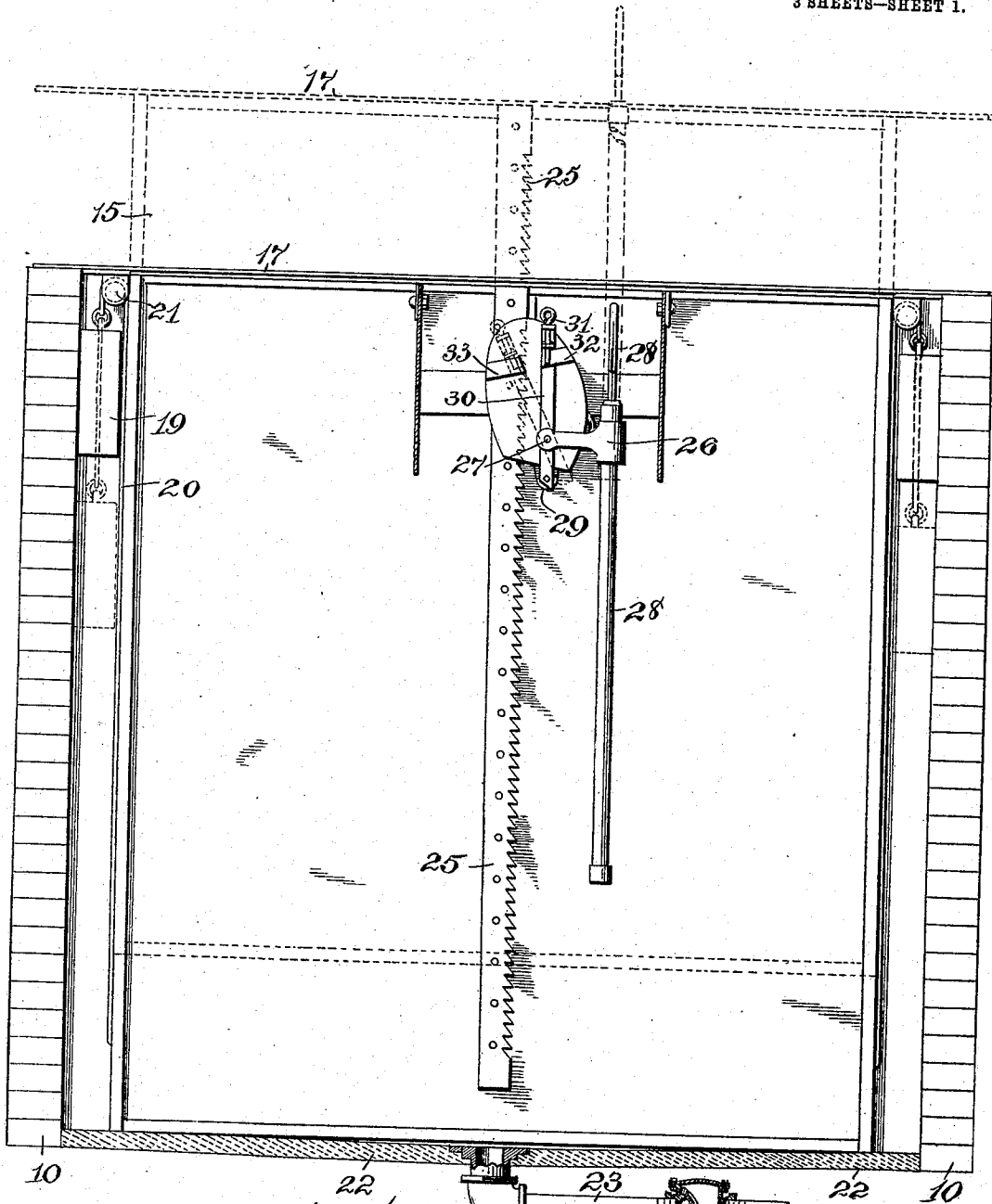
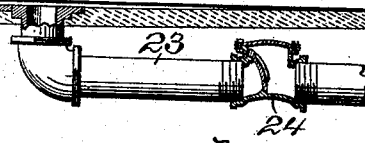


Fig. 1

WITNESSES:
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M. Johnson.

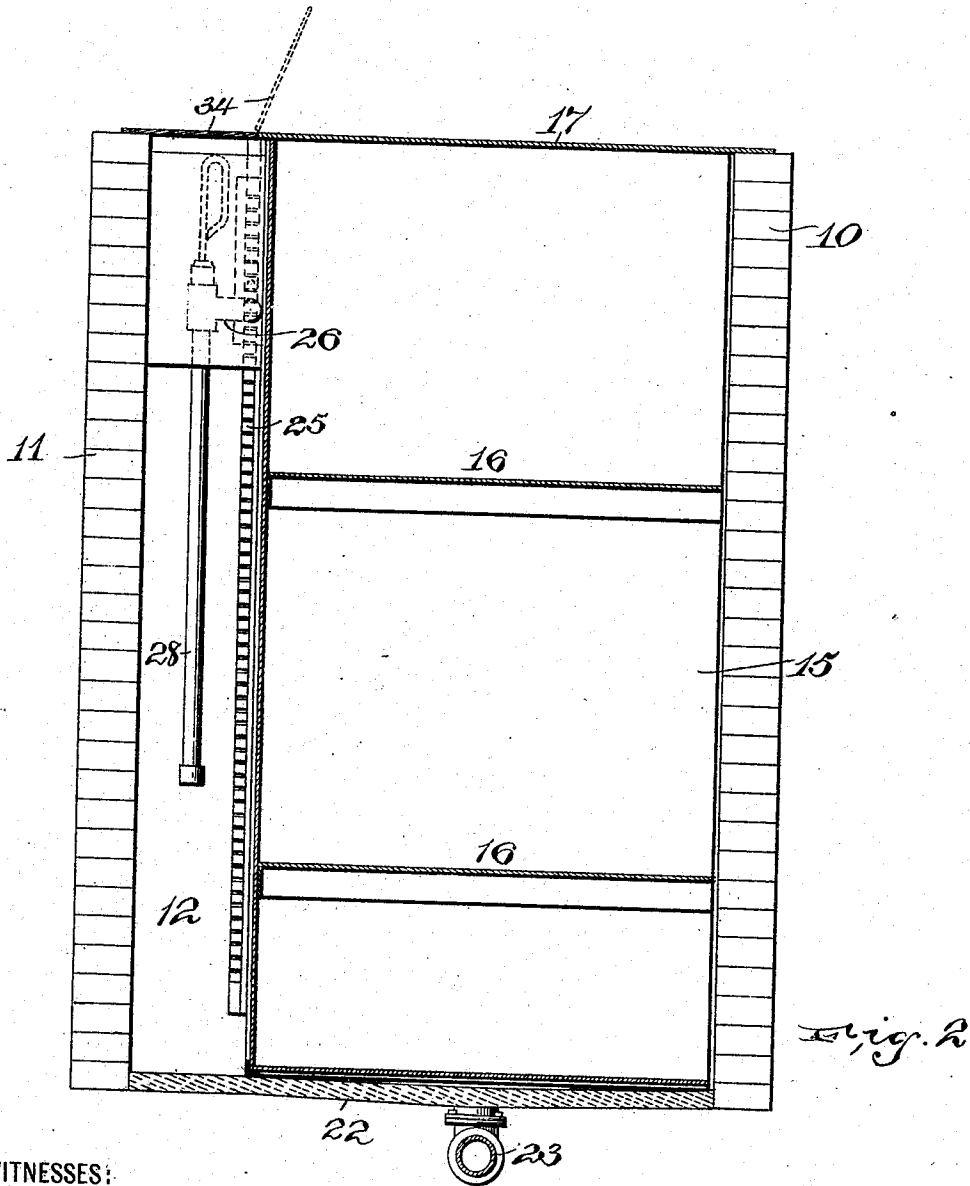


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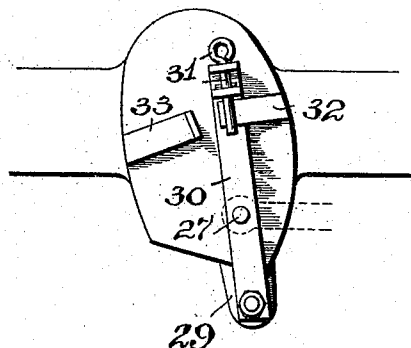
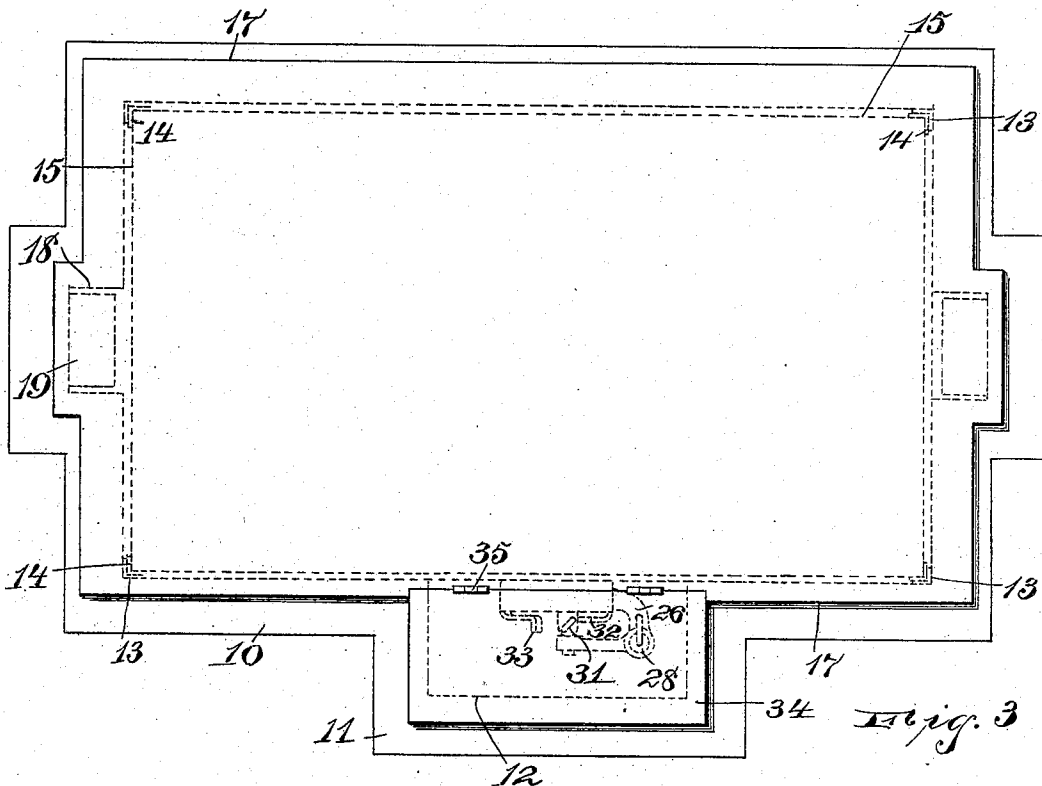
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UNITED STATES PATENT OFFICE.

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RECEPTACLE FOR GARBAGE.

936,702.

Specification of Letters Patent.

Patented Oct. 12, 1909.

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To all whom it may concern:

Be it known that I, MICHAEL CARLUCCI, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Receptacles for Garbage; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

This invention relates to a casing adapted to contain receptacles, this casing being vertically movable into and from a recess in the ground.

The particular object of this invention is to secure a receptacle for garbage and ashes that will set down into a sidewalk and be covered, and having means for withdrawal when the tenants desire to place garbage or ashes in the receptacle and to be again lowered, and also to be raised and lowered by the collector when he calls. The recess in the walk into which the receptacle is lowered and guided is preferably made of material impervious to water so that the recess can be flushed, and it also has a pipe connection with a sewer or similar outlet so that it can be easily cleaned.

The receptacle can be made all sizes, but is preferably made somewhat large so as to be used in apartment houses and similar structures where the placing of garbage, preparatory to its removal by the collector, has become a serious problem.

The law in a great many cities compels the receptacle for garbage to be placed against a building and away from the curb, which makes it obnoxious, in the case of an apartment house, to the folks on the first floor.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a section of the recess with the receptacle or casing in elevation. Fig. 2 is a section taken transversely to that in Fig. 1. Fig. 3 is a top view of the device, and Fig. 4 is a detail of the reversing mechanism of the lifting mechanism.

The invention is primarily used in walks, such as sidewalks in front of buildings, or it can be used in any position where a recess

in the ground is located. The recess has the walls 10 on the sides and ends and preferably forming a rectangular structure, and having an offset 11 as shown particularly in Figs. 2 and 3 to form a space 12 to receive the lifting mechanism. I prefer to place, in each corner of the recess formed by the walls 10, ways 13 made of angle-iron preferably, and in which the corner pieces 14 of the receptacle or casing 15 are guided when the receptacle is raised.

The receptacle 15 is preferably provided with one or more shelves 16 which are adapted to hold cans or boxes, usually when they contain garbage or ashes and so forth. A top 17 is placed on the receptacle, the top having overlapping sides so that it rests over the sides of the side walls 10 when the receptacle is lowered so as to prevent injury to pedestrians. A recess 18 is arranged in each end of the main recess, this recess containing counterweights 19 which are suspended on flexible connections 20 passing over pulleys 21, the other end of the flexible connections being attached to the receptacle or casing 15. The sides of the recess are made impervious to moisture, and the bottom 22 is made of stone or cement or similar material and is connected to an outlet pipe 23 which has, installed therein, a trap or a check valve 24. This connection provides for the disinfecting of the recess and also for its flushing by means of water or similar fluid.

The receptacle can be raised easily when supplied with the counterweights, and any form of handle or grip might be secured to the receptacle for raising it, but I prefer to place a lifting mechanism in the space 12.

The lifting mechanism I prefer to use is that shown in my patent issued Sept. 24, 1907, No. 866,913, although any similar lifting mechanism may be used so long as it is a reversible mechanism. The receptacle 15 has a rack 25 secured thereto which forms the means for raising the receptacle, the usual form of rack having teeth to engage the teeth of the ratchet 25 and raise or lower the ratchet step by step, the teeth being actuated by a lever 26 pivoted at 27 and having a handle 28, which handle is adapted to be extended from or lowered into the space 12, and according to whether it is desired or not. A reversing plate 29 is operated by a lever 30 which has a pin 31 adapted to be

manually operated and to be alternately placed in connection with the stops 32 and 33, according to whether the casing is to be raised or lowered.

- 5 A supplemental lid 34 covers the space 12 and is suitably hinged either to the sides of the recess, or as shown in Fig. 3, by means of the hinges 35 to the cover 17.

10 Having thus described my invention, what I claim is:—

1. The combination of a recess in the ground, the recess being entirely inclosed except as to its top and having walls impervious to moisture, a receptacle adapted to slide vertically in the recess and having a top to form a cover for the recess when the receptacle is lowered, a lifting mechanism in the recess, a rack on the receptacle and engaging the lifting mechanism, a swinging arm connected with the lifting mechanism for reversing its movement, means for locking the swinging arm in its alternate positions, and a handle on the lifting mechanism and installed for its manual manipulation, the handle being in sliding relation to the lifting mechanism, whereby

it can be withdrawn from and lowered into the recess.

2. The combination of walls forming a recess in the ground, the recess being entirely inclosed except as to its top, ways arranged one in each corner of the recess, a receptacle arranged to fit in the ways and slide therein and having a top secured thereto to form a cover for the recess when the receptacle is lowered, the receptacle being open at the sides for the insertion and removal of cans and the like, the recess having a space to one side of the receptacle, a lifting mechanism in the space, a rack on the receptacle and engaging the lifting mechanism, a lever to operate the lifting mechanism, and a handle slidably arranged in the lever, whereby it is adapted to be lowered into or withdrawn from the space.

In testimony, that I claim the foregoing, I have hereunto set my hand this 13th day of October 1908.

MICHAEL CARLUCCI.

Witnesses:

WM. H. CAMFIELD,
E. A. PELL.