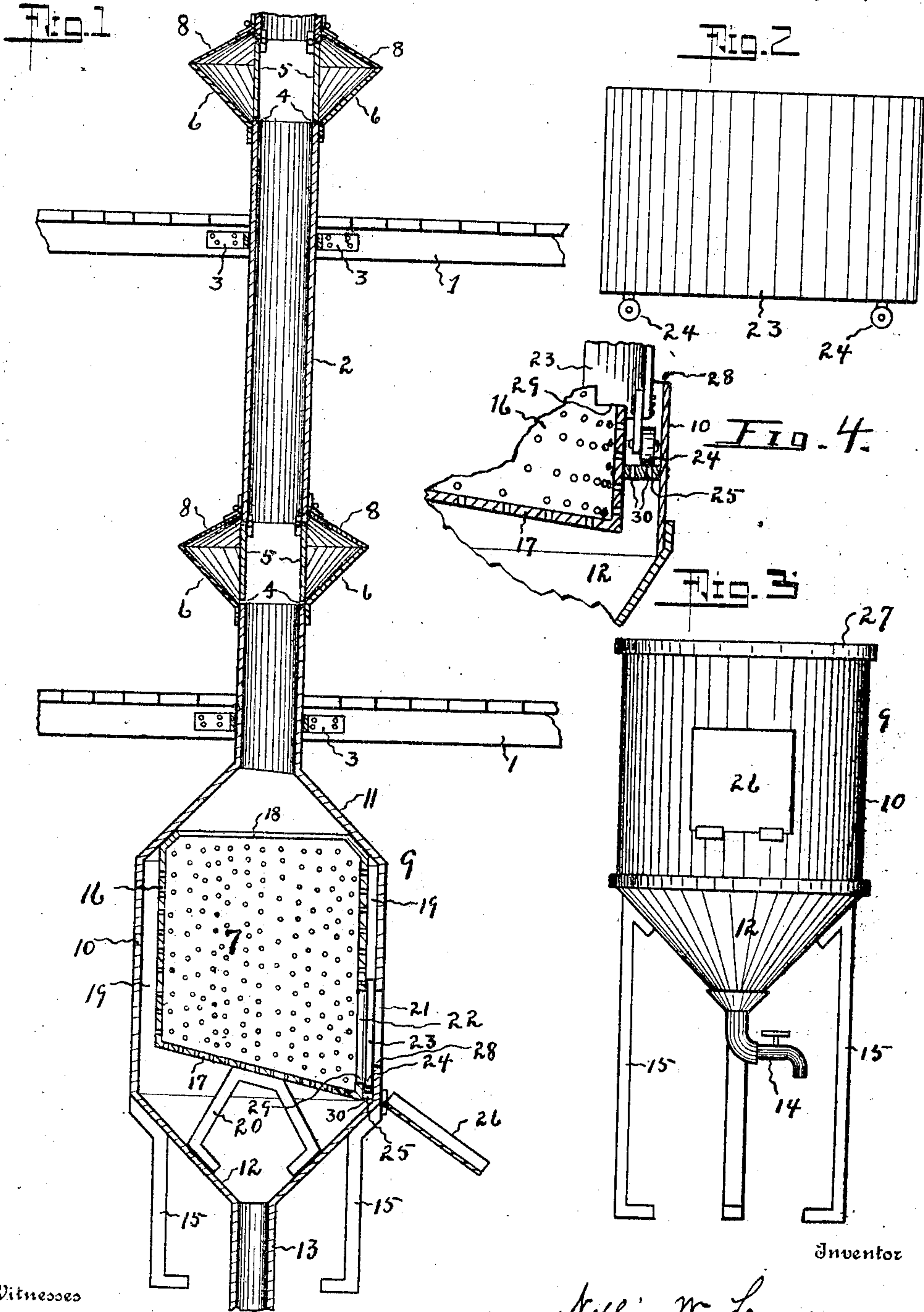


N. W. LOWE.
GARBAGE CHUTE AND RECEPTACLE.
APPLICATION FILED AUG. 7, 1909.

958,265.

Patented May 17, 1910.



Witnesses

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GARBAGE CHUTE AND RECEPTACLE.

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Specification of Letters Patent.

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Application filed August 7, 1909. Serial No. 511,805.

To all whom it may concern:

Be it known that I, NELLIE W. LOWE, a citizen of the United States, residing at Omaha, in the county of Douglas and State of Nebraska, have invented certain new and useful Improvements in Garbage Chutes and Receptacles, of which the following is a specification.

This invention relates to improvements in garbage chute and receptacle, and has for its object, broadly, to provide means for the deposit and temporary storage of garbage for large buildings, residences or tenement houses, which will be convenient both for depositing and removing the garbage, and will be sanitary in use; and the invention has reference to certain structural features whereby manufacture may be economical.

With these and other objects in view the invention discloses a novel combination and arrangement of parts, as described herein, pointed out by the appended claims; and as illustrated in the drawing, it being understood that changes in size, form, proportion and minor details may be made within the scope of the claims, without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing forming a part of the application, Figure 1 is a vertical, sectional view of a garbage chute and receptacle embodying my invention. Fig. 2 is a vertical, front view of a movable barrier or door for the draining receptacle. Fig. 3 represents a modified form of garbage can or receptacle, to be considered in connection with the application. Fig. 4 is a detail relating to Fig. 1, to clearly show mounting of the inner door.

Referring now to the drawing for a more particular description, by numerals 1 are indicated supports for an upright garbage chute 2, and these supports may be the several porch floors or other floors of a building. Galvanized iron sheets is a preferred material for constructing the chute, and it may be secured to the supports in any convenient manner, as by brackets 3. At 4, at opposite sides of the chute and above floors or supports 1, are indicated openings, and doors 5 are hinged at their upper ends to the wall of the chute, and may hang dependently to cover said openings.

At 6 are indicated inclined aprons or spouts, secured upon the chutes and disposed adjacent openings 4, and it will be,

understood that both wet and dry garbage may be disposed thereon and will fall downward within the draining receptacle indicated at 7, the material causing doors 5 to swing inwardly at the time of the deposits mentioned; and hinged lids 8 are employed to cover spouts 6. By the arrangement as described the chute may be employed by the tenants or occupants upon several floors of a building without interference, at any time, and offensive odors may be practically eliminated.

At 9 is indicated a container or outer receptacle having a cylindrical body portion 10, preferably having a conical dome 11 connecting at its upper end with chute 2, and provided with a base 12 formed as an inverted cone; and the lower terminal of the base may be provided with exit pipe 13 for use where sewer connection may be made. In cases where sewer connection cannot be made, however, base 12 may be provided with suitable means, as faucet 14, for withdrawing the liquid contents which has been drained from container 7; and said outer receptacle may be supported upon the ground by any suitable means, as by legs 15.

I provide an inner container or draining receptacle 7, its side wall 16 and inclined bottom 17 being perforated and having an open top 18 in communication with the chute. It is cylindrical in form, and has a diameter sufficiently less than that of body 10 of receptacle 9 so that an annular chamber or recess 19 will be provided therebetween.

It will be understood that receptacle 7 will operate as a separator, and when mixed garbage falls therein from the chute, the liquid portion will pass through the perforations formed in the bottom and wall of this receptacle into the base 12 of receptacle 9, the capacity of annular chamber 19 being adequate to permit this passage of said liquid part after the inclined bottom has been covered, or the draining receptacle has been partly filled with coarser accumulations. At 20 is shown a brace, extending between and having bearings upon both the lower, convergent wall of the base and the bottom 17, this being for the purpose of sustaining the weight of said accumulations.

In the respective walls of the outer receptacle and draining receptacle are provided adjacent openings 21 and 22, these openings being formed at an altitude somewhat above

the lowest part of the inclined bottom 17, and as a barrier to confine the garbage within the draining receptacle, I provide the door 23 having a curvature corresponding to that of annular chamber 19, and preferably having rotatable supports or wheels 24 secured upon or near its lower edge. A horizontal circular platform 25, for the support of the wheels, spans the space between the walls of the receptacles, this platform being somewhat below the adjacent edges of said wall openings to form a curved groove or channel within which the wheels may be seated, so that lateral strains upon the door may be resisted; and below opening 21, upon wall 10 is mounted door 26.

The construction thus described consists of few parts, and the material required and preferably employed, is comparatively inexpensive, and, by use of the herein described chute and garbage receptacle, the objectionable handling of individual garbage cans from one floor to another, may be avoided.

In operation, doors 23 and 26 being closed, both wet and dry garbage which passes downward within the chute, will be received within the draining receptacle. The liquid parts of the garbage may be drawn from the faucet, according to the construction shown in Fig. 3, or may pass through pipe 13, as illustrated in Fig. 1. When it is desired to remove the contents of the draining receptacle, door 26 may be swung downward and door 23 moved sidewise, and the contents may be conveniently removed, the inclination of bottom 17 facilitating this operation, door 26 in its lowered position, at this time, operating as a chute.

It will be noted that, since openings 21 and 22 are formed in the walls, as explained, at an altitude above the lowest part of inclined bottom 17, this feature will tend to prevent the liquid parts passing from the draining receptacle out of the doors.

It is understood, of course, that the perforations of the draining receptacle may become closed from action of greasy accumulations, but at the time of removal of the contents, as above mentioned, the inner surface of this receptacle may be conveniently scrubbed. Also at this time, by use of proper liquid detergents the entire chute may be cleansed and kept in a sanitary condition.

Fig. 3 illustrates a garbage can having no

dome or chute, and it is provided with a cover 27. It may be provided with the same devices as receptacle 9 shown in Fig. 1, except that a faucet may be used for drawing the liquid parts of the garbage, and when thus constructed it would provide a convenient, portable garbage can. In many instances garbage is of value for stock feeding, and the liquid parts have a certain value, and it is desirable to separate the liquid portion from the coarser parts; and for residences, where no chute would be required, this construction would be useful.

It should be explained, with reference to the door openings, that the upper edge 28 of casing 10 is materially higher than edge 29 of casing 16, these edges forming the lower parts of the respective openings 21 and 22; and platform 25 is provided with perforations 30 communicating with the funnel-shaped bottom 12 of the outer receptacle, whereby the wet portion of the garbage is prevented from passing the outer opening 21 of the receptacle.

Having fully explained my invention, what I claim and desire to secure by Letters Patent is,—

In devices for the purposes described, the combination with a cylindrical container having an intake at its upper end and provided with a funnel shaped lower terminal with an exit way therein, and having a side aperture, of a draining receptacle having a cylindrical, perforated wall and disposed interiorly of the container to provide between its wall and the wall of the container an annular chamber, said draining receptacle being provided with an inclined bottom and with a side aperture opening upon the side aperture of the wall of said container; a horizontal platform vertically perforated and disposed between the cylindrical walls of the container and drainage receptacle at a lower altitude than the side apertures of said walls, and a horizontally curved, vertically disposed closure-plate in said annular chamber and having rollers seated upon said perforated platform.

In testimony whereof I have affixed my signature in presence of two witnesses.

NELLIE W. LOWE.

Witnesses:

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