J. W. PHEILS.

GARBAGE HOLDER AND STRAINER.

APPLICATION FILED MAY 27, 1913.

1,115,016.

Patented Oct. 27, 1914.

2 SHEETS—SHEET 1.

Fig. 1.

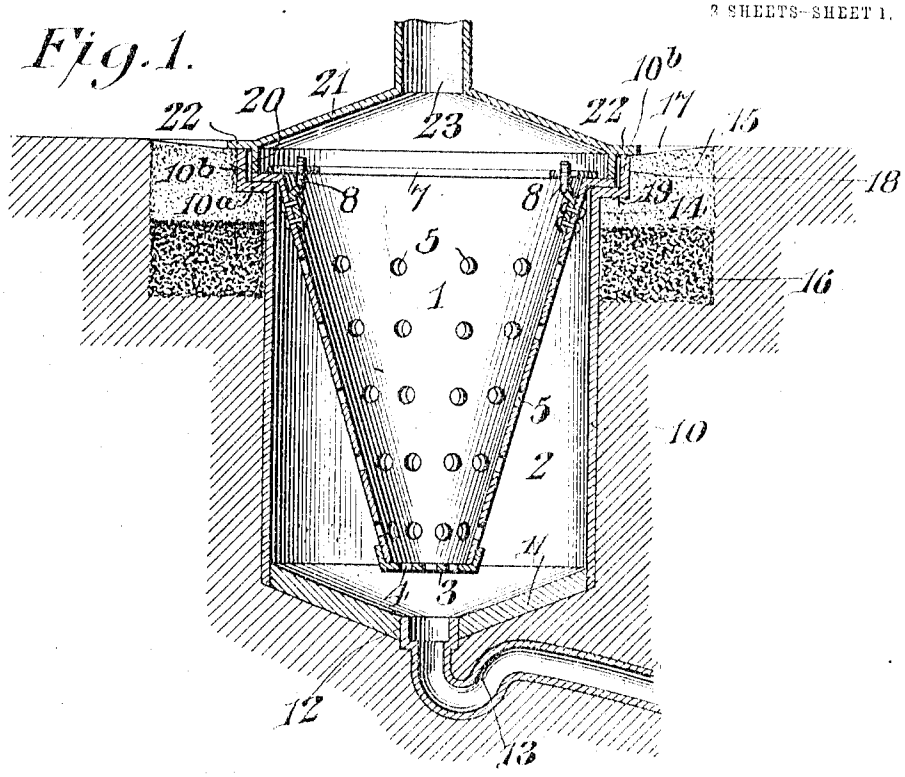
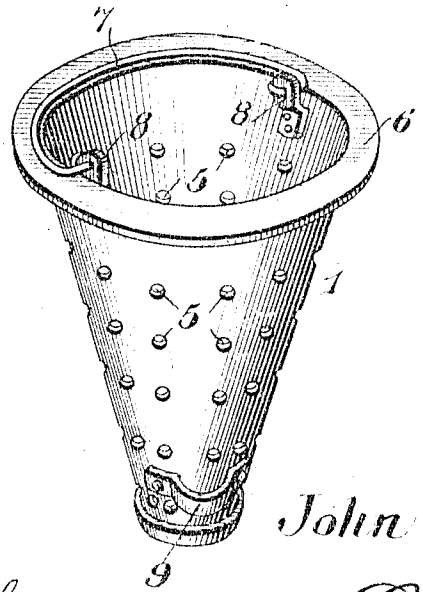


Fig. 2.



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2 SHEETS-SHE. 1 2.

Fig. 3.

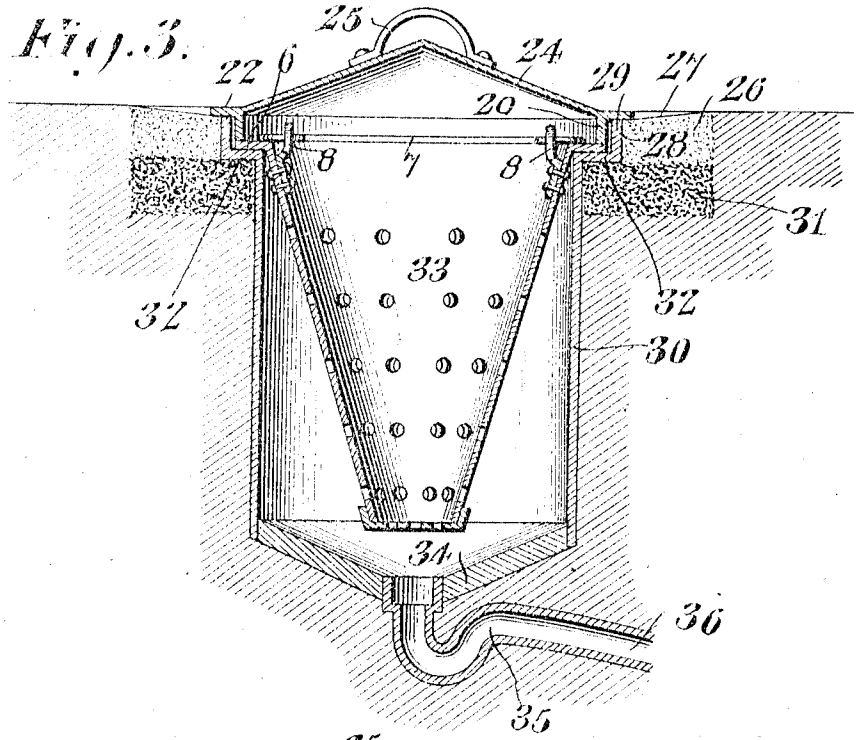
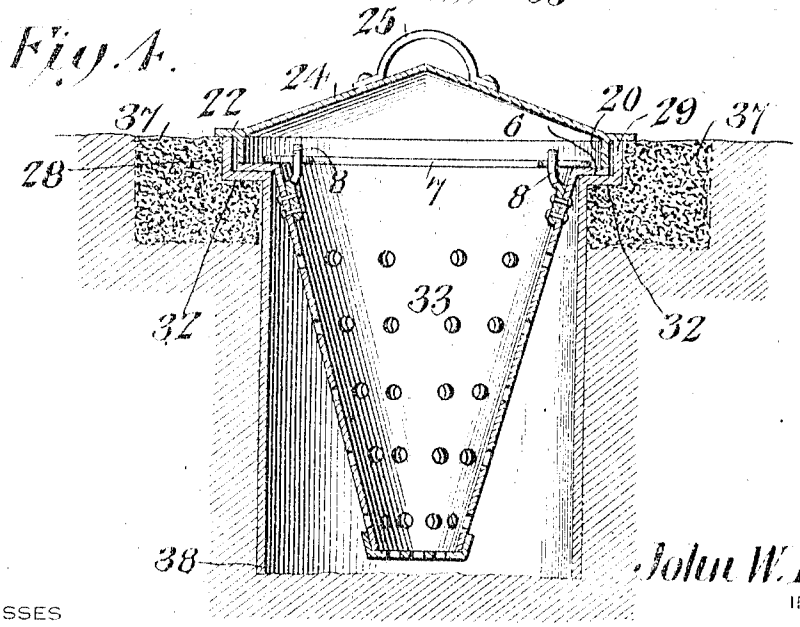


Fig. 4.



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GARBAGE HOLDER AND STRAINER.

1,115,016. Specification of Letters Patent. Patented Oct. 27, 1914.

Original application filed July 31, 1911, Serial No. 641,464. Divided and this application filed May 27, 1912. Serial No. 699,950.

To all whom it may concern:

Be it known that I, JOHN W. PHEILS, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented a new and useful Garbage Holder and Strainer, of which the following is a specification.

The invention relates to a garbage holder and strainer, and it is a division of an application filed by me on the 31st day of July, 1911, Serial No. 641,464.

The object of the present invention is to improve the construction of garbage holders, and to provide a simple, practical and comparatively inexpensive sanitary garbage holder and strainer, adapted to do away with all odor, and capable of enabling the liquid matter to drain off and the solid matter of the garbage to be dried and easily and conveniently handled by collectors without spilling the contents of the garbage receptacle.

Another object of the invention is to provide a garbage holder and strainer of this character adapted to be located below the surface of the ground and so constructed that it will not freeze in winter and may be easily flushed out and cleaned when desired.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings: Figure 1 is a vertical sectional view of a sanitary garbage holder and strainer, constructed in accordance with this invention. Fig. 2 is a detail perspective view of the garbage straining receptacle. Figs. 3 and 4 are vertical sectional views of the garbage holders and strainers, illustrating other forms of the invention.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

In the accompanying drawings in which is illustrated the preferred embodiment of the invention, the sanitary garbage holder and strainer comprises in its construction a downwardly tapered garbage straining receptacle 1, preferably of conical shape and arranged within a well 2 below the surface of the ground and provided in its bottom 3 and sides with perforations 4 and 5. The perforations 5 of the sides of the receptacle are arranged at regular intervals so that the liquid matter of various deposits of garbage may drain off, whereby only dry garbage, which may be easily handled, will remain in the garbage receptacle. As the perforations in the sides of the receptacle are arranged in different elevations, there is no liability of the garbage receptacle becoming clogged and retaining any of the liquid matter.

The garbage straining receptacle is provided at its upper edge with an outwardly extending horizontal annular flange 6, and it is equipped with a bail 7 connected with interiorly arranged ears 8 and adapted to lie upon the horizontal flange 6 of the garbage receptacle, so that when the latter is placed within the well 2 the bail will be within easy reach of a person without coming in contact with the contents of the garbage receptacle. The flange 6 enables the garbage receptacle to be supported above the bottom of the well, and it also facilitates the handling of the garbage receptacle while dumping the contents thereof into a garbage cart or wagon. The garbage receptacle is designed to be constructed of heavy sheet metal, or other suitable material and the flange 6 may be reinforced in any suitable manner. A fixed handle 9 is secured to the exterior of the garbage receptacle near the bottom thereof, and it enables the receptacle to be readily tilted to empty the garbage.

The well 2, which preferably consists of a cylindrical wall or lining 10 of hard tile or other suitable material, has a sloping substantially conical bottom 11, constructed of similar plastic material and provided with a central opening 12, which is preferably connected with a sewer trap 13, but the liquid matter drained from the garbage receptacle may be permitted to soak into the ground where a sewer is not easily accessible.

The upper end of the cylindrical wall is arranged within a circular opening 14 of a platform 15 of cement, or other plastic material, which is preferably arranged upon a bed 16 of cinders. The cement and cinders at the top of the well and the ce-

ment bottom thereof effectually exclude frost from the interior of the well, which will prevent garbage containing liquid matter from freezing in winter. Also the garbage receptacle and the well may be washed or flushed out in winter without liability of freezing.

The upper face 17 of the plastic platform 15 is flush at the outer edges with the surrounding surface of the ground, and it slopes downwardly and inwardly toward the well for causing water to drain into the same, whereby when the surface of the platform is washed the water will run off into the well and be conveyed away by the sewer pipe. A recess 18 is formed in the top of the platform around the central opening 14 to provide a depressed horizontal supporting shoulder 19 and to receive the horizontal flange 6 of the garbage receptacle and horizontal and vertical flanges 10^a and 10^b of the cylindrical wall or lining. The horizontal and vertical flanges 10^a and 10^b of the cylindrical wall or lining are formed integral with the same, and provide a tile lining for the recess 18. The upper edge of the vertical flange 10^b is arranged in flush relation with the upper face of the cement platform. The shoulder 19 is located above the upper surface of the cement platform and the lined recess 18 thereof is adapted to receive a vertical flange or portion 20 of a cover 21, which is also provided with an outwardly extending substantially horizontal flange or portion 22 fitting the upper inclined face of the platform. By this construction, the cover is fitted tightly over the top of the well. The cover 21 is provided with a central opening 23 and is connected with a garbage conduit pipe, designed to be arranged adjacent to the back porches of apartment houses, tenement houses, and the like so that the garbage of a plurality of flats may be deposited in the garbage receptacle, as described in the aforesaid application.

In Fig. 3 of the drawings, the garbage can or receptacle is arranged for use at private dwellings and various places other than flats and may be located in the back yard or at any other convenient point. The garbage conduit is omitted, and the cover 24 is equipped with a suitable handle 25. The cement platform 26 has an inclined upper face 27, which extends to the central opening 28, and the latter is of sufficient size to receive the vertical flange 29 of the cylindrical wall or lining 30, the bed of cinders 31 being extended beneath the horizontal flange 32 of the said cylindrical wall, but the platform may be constructed with an annular recess around the central opening in the manner shown in Fig. 1 of the drawings. The garbage receptacle 33 and the bottom 34 of the wall or lining are similar in construction to the garbage receptacle 1 and the bottom 11. A sewer trap 35 is connected with the bottom 34 and a drain pipe 36 extends from the sewer trap to the sewer pipe.

In Fig. 4 of the drawings, the construction is further simplified by the omission of the cement platform, the bottom of the cylindrical wall or lining and the sewer trap and drain pipe illustrated in Figs. 1 and 3. The upper end of the cylindrical wall is surrounded by a bed of cinders 37, and the lower end 38 of the lining is open to permit the liquid matter draining from the garbage receptacle to sink into the soil. It will be obvious that the cement platform, shown in Figs. 1 and 3, may be employed when the bottom of the cylindrical wall or lining is open, and further illustration thereof is deemed unnecessary.

What is claimed is:—

1. A device of the class described comprising a supporting platform designed to be embedded in the ground and arranged substantially flush with the surface of the ground and having an opening and provided at the upper portion thereof with a recess forming a supporting shoulder located below the plane of the upper face of the platform, said upper face being sloped and extending downwardly and inwardly to the opening, a well including walls provided at their upper edges with portions extending into the recess of the platform and resting upon the said shoulder, whereby the said walls are suspended from the platform, supporting means for the platform arranged around the well and extending below the frost line to prevent the contents of the well from freezing, a garbage receptacle also provided with a portion extending into the said recess and supported by the shoulder of the platform in spaced relation with the bottom of the well, and a cover for the opening fitting in the said recess and retained in place by the same.

2. A device of the class described comprising a platform of plastic material designed to be embedded in and arranged substantially flush with the surface of the ground and provided with an opening, a well including walls having their upper edges fitted within the opening of the platform, a removable receptacle arranged within the said well, and a bed of material surrounding the upper portion of the well and located beneath and supporting the platform, said material extending below the frost line and adapted to prevent the contents of the receptacle from freezing.

3. A device of the class described, comprising a well including vertical walls provided at the top with an outwardly extending horizontal supporting flange and having a vertical flange extending upwardly at the

outer edge of the supporting flange, a removable receptacle provided at the upper edge with an outwardly extending flange resting upon the said supporting flange and suspending the removable receptacle within the well, a bail connected with the receptacle and extending over and supported by the flange thereof out of contact with the contents of the receptacle, and a cover for the well provided with a depending flange fitted within the vertical flange of the well and engaging the outwardly extending flange of the receptacle, said cover being also provided with an outwardly extending flange projecting over the upper edge of the vertical flange of the well.

4. A device of the class described comprising a supporting platform having an opening and provided with a recess surrounding the same and forming a supporting shoulder, a well including side walls fitting in the opening of the platform and provided with an outwardly extending flange resting upon the said supporting shoulder, and a substantially conical bottom fitting within the said side walls and arranged to be supported upon the ground and provided with a central opening, and a garbage receptacle provided at its upper edges with an outwardly projecting flange extending into the recess of the platform, which supports the garbage receptacle in spaced relation with the bottom of the well.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JOHN WEBSTER PHEILS.

Witnesses:
JAS. T. CROOKS,
SARAH A. CROOKS.