

J. W. PHEILS.
CARBIDE HOLDER AND SINKER.
APPLICATION FILED JULY 31, 1911

Patented Feb. 18, 1913
2 SHEETS-SHEET 1

1,053,865.

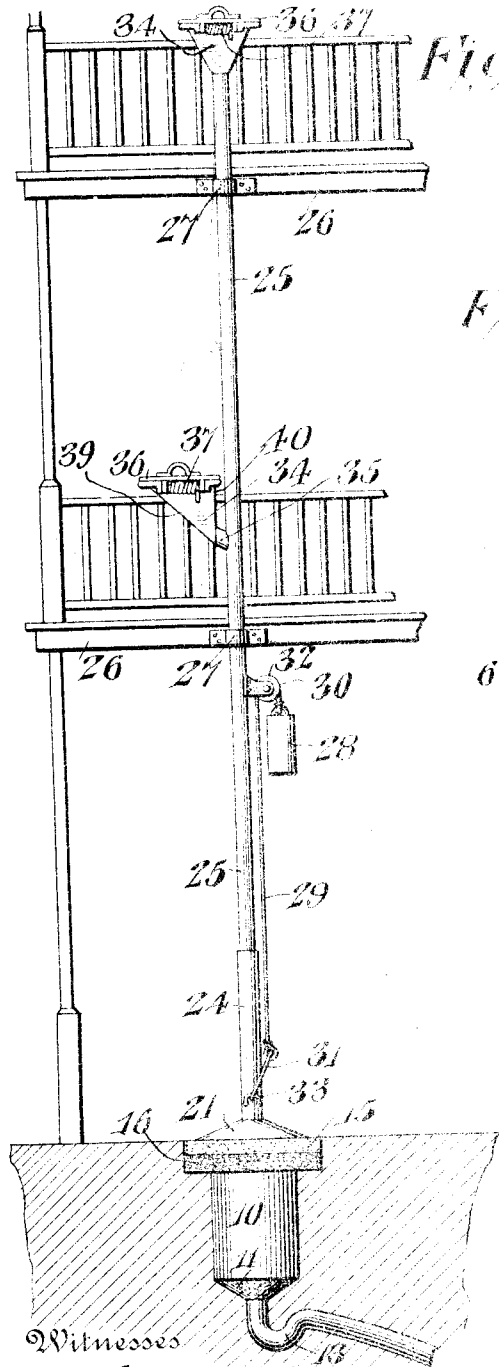


Fig. 1.

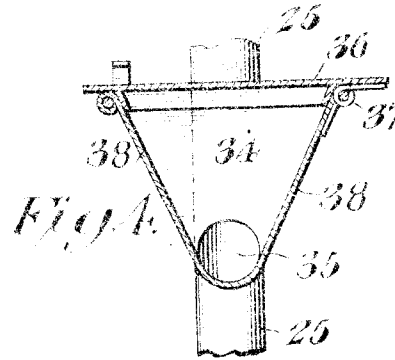


Fig. 4.

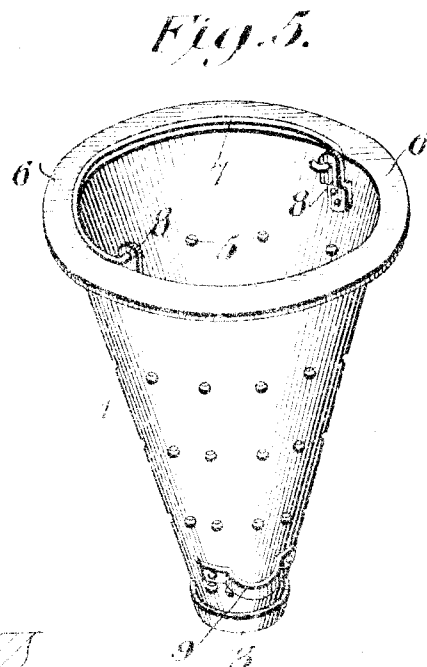


Fig. 5.

Witnesses
Jas. S. McLaughlin
H. J. Riley

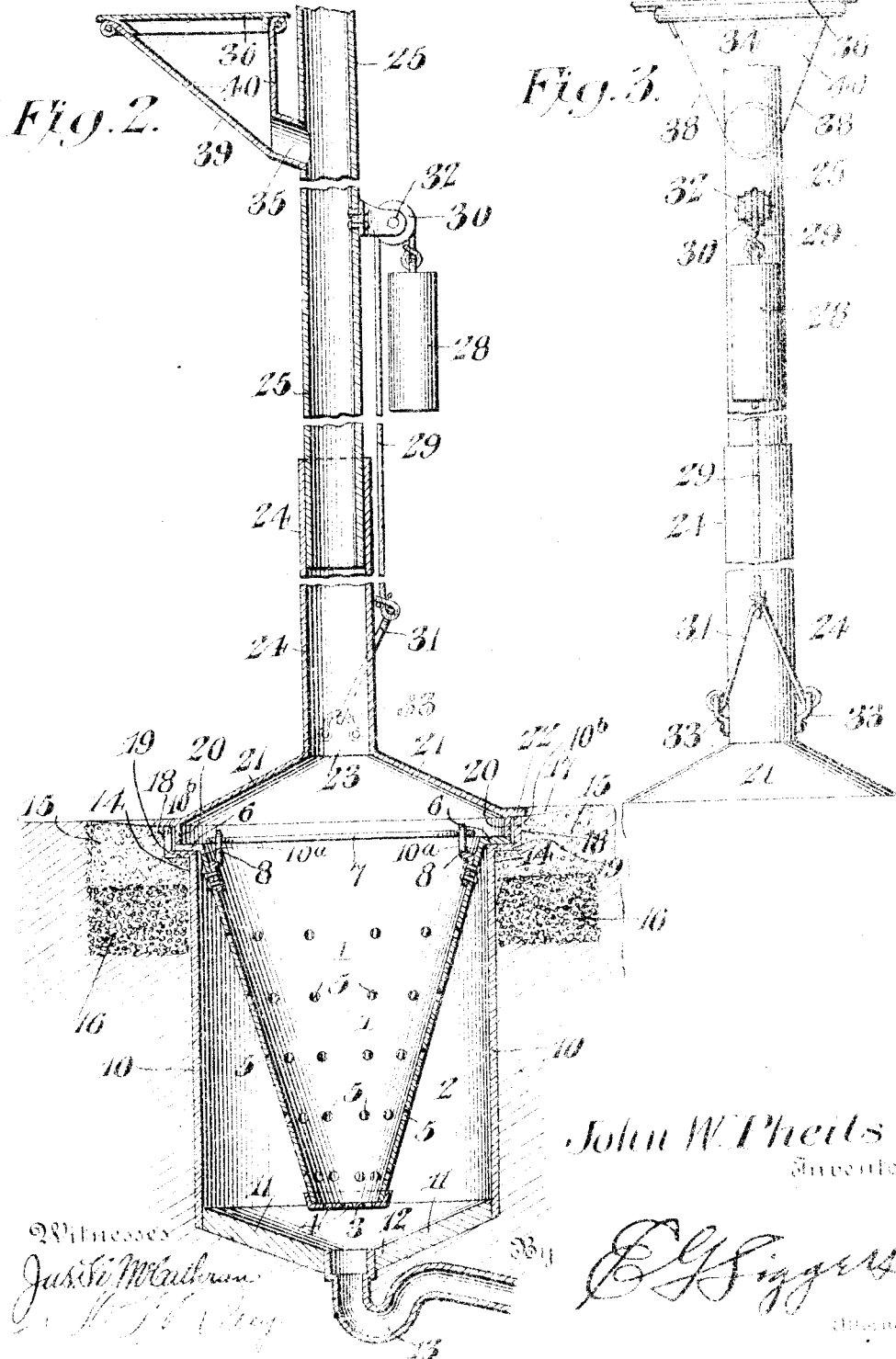
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J. W. PHELPS.
 CARTRIDGE HOLDER AND STRAINER.
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UNITED STATES PATENT OFFICE.

JOHN WEBSTER PHELPS, OF TOLEDO, OHIO.

GARBAGE HOLDER AND STRAINER.

1,053,865.

Specification of Letters Patent.

Patented Feb. 18, 1913.

Application filed July 31, 1911. Serial No. 641,464.

To all whom it may concern:

Be it known that I, JOHN W. PHELPS, 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.

10 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, designed particularly for the use of flats of apartment houses or tenement houses and the like, and equipped with means for receiving the garbage of families of different floors and for conveying the garbage to a garbage receptacle.

20 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.

30 In the drawings:—Figure 1 is a side elevation of a sanitary garbage holder and strainer, constructed in accordance with this invention. Fig. 2 is a vertical sectional view of a portion of the same. Fig. 3 is an elevation of the lower portion of the garbage holder and strainer, illustrating the manner of mounting the weight for counter-balancing the telescopic cover carrying section. Fig. 4 is a detail sectional view of one of the hoppers. Fig. 5 is a detail perspective view of the garbage straining receptacle.

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

50 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 the various deposits of garbage may drain off, whereby only dry garbage, which may be easily handled, may remain within the garbage receptacle. As the perforations in the sides of the receptacle are arranged at different elevations, there is no liability of the garbage receptacle becoming clogged and retaining any of the liquid matter.

60 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 either lie upon the horizontal flange 6, or within the same so as to be supported by the inclined walls thereof. When the garbage receptacle is placed within the well tube, 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, as clearly illustrated in Fig. 2 of the drawings, 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 will be beaded at the edge with heavy wire, or otherwise reinforced. A fixed handle or grip 9 is secured to the exterior of the garbage receptacle near the bottom thereof, and it enables the receptacle to be readily tilted in emptying the garbage.

95 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 cement or 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 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 cement 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 of the platform 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 the 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 form a tile lining for the recess 18. The upper edge of the vertical flange 10^b is arranged flush with the upper face of the cement. The shoulder 19 is located below the upper face 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 is provided with a central opening 23, and it is carried by a slidable telescopic section 24 of a vertical pipe 25, which forms a garbage conduit. The garbage conduit pipe is designed to be arranged adjacent to the back porches 26 of apartment houses, tenement houses and the like, and it may be secured to the porches by metallic straps 27, as clearly illustrated in Fig. 1 of the drawings, but the sanitary garbage holding strainer may be mounted in any other convenient position for use. The telescopic section 24 is slidable on the exterior of the pipe 25, and it is movable vertically to raise the cover 21 and to replace the same on the well. When the cover is raised the garbage receptacle may be easily and quickly lifted out of the well, emptied and replaced without liability of spilling its contents and without any inconvenience or disagreeable handling of the garbage. The cover and the slidable telescopic section 24 are supported in an elevated position by a weight 28, secured to one end of a flexible connection 29, which passes over a pulley 30 and which has its other end secured to a bail 31 of the slidable pipe section 24. The flexible connection may consist of a wire cable, chain or the like, and the pulley 30 is mounted in a suitable bracket 32, which is

secured to the pipe 25. The bail 31 is connected at its ends to ears or loops 33, which are mounted on the slidable cover carrying pipe section 24 at opposite sides thereof. The weight enables the cover 21 and the slidable pipe section 24 to be readily raised and lowered and will maintain the same in an elevated position, while the garbage receptacle is being emptied.

The garbage conduit pipe is equipped at the porches or other desirable points with tapered hoppers 34, connected at the bottom with the pipe 25 by short pipe sections 35, and equipped at the top with hinged lids 36, which are normally maintained in a closed position by coiled springs 37, preferably mounted on the pintles of the hinged lids and connected with the same and with the body of the hopper. The hopper tapers laterally to form inclined side walls 38, and it has an inclined outer wall 39, the inner wall 40 adjacent to the pipe being preferably vertical to enable the hopper to be arranged in close proximity to the same.

No claim is made in the present application to the particular construction of the well and the garbage receptacle, which form the subject-matter of a divisional application.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A device of the class described including a garbage receptacle, means for inclosing the same provided with a cover, and an upright garbage conduit pipe having a telescopic section connected with and carrying the said cover and permitting the same to be lifted from and replaced on the said inclosing means without disconnecting it from the garbage conduit, said garbage conduit having means located above the telescopic section for introducing the garbage into it.

2. A device of the class described including a garbage receptacle, means for inclosing the same provided with a cover, an upright garbage conduit pipe having a telescopic section connected with and carrying the said cover and permitting the same to be lifted from and replaced on the said inclosing means, a bail connected with the telescopic section, a pulley mounted on the garbage conduit pipe and located above the said section, a flexible connection arranged on the pulley and having one end connected with the bail, and a weight connected with the other end of the flexible connection for supporting the cover and the telescopic section in an elevated position.

3. A device of the class described including a well, a garbage conduit pipe provided with a lower slidable section and communicating with the well, a cover for the well connected with and carried by the slidable section of the conduit pipe to open and close

the well without disconnecting the cover from the conduit, and means located above the slidable section of the conduit pipe for introducing garbage into the conduit.

4. A device of the class described including a well, a garbage straining receptacle arranged within the well, a garbage conduit pipe provided with a lower vertically arranged slidable section and communicating with the well, and a cover for the well fitted on and also covering the garbage straining receptacle and connected to and carried by the slidable section of the con-

duit pipe and movable vertically with the said section to open and close the well without disconnecting the cover from the garbage conduit, the latter being provided above the slidable section with means for introducing garbage into it. 15

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses. 20

JOHN WEBSTER PHEILS.

Witnesses:

LOUIS H. PAINE,
IONE G. BAWES.