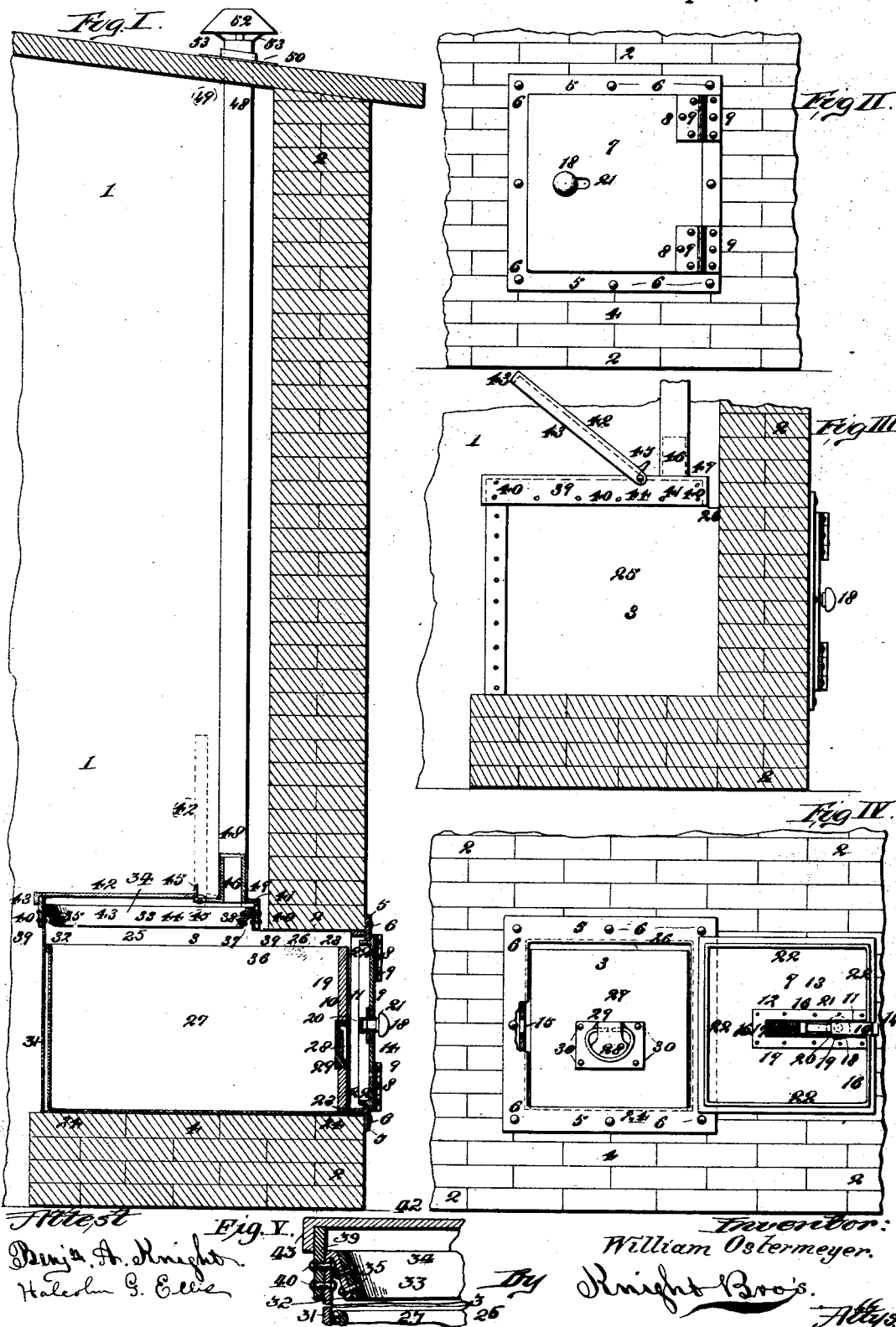


(No Model.)

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GARBAGE VAULT.

No. 525,616.

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# UNITED STATES PATENT OFFICE.

WILLIAM OSTERMEYER, OF ST. LOUIS, MISSOURI.

## GARBAGE-VAULT.

SPECIFICATION forming part of Letters Patent No. 525,616, dated September 4, 1894.

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*To all whom it may concern:*

Be it known that I, WILLIAM OSTERMEYER, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Garbage-Storage Vaults, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

10 This invention relates to a metal vault, that is intended to be built into the wall of a carriage house, or other out building of a residence, and which has a spring latch door that opens to the alley, convenient of access to the  
15 garbage collectors, the vault being furnished with a depository drawer for holding the garbage, which drawer is easily withdrawn by means of its handle for emptying; and said vault is also provided with a depository opening  
20 within the building, that is normally closed by a hinged lid, and a bevel chute at the mouth of said opening directs the garbage deposit into the drawer; also a vertical flue from said vault carries the gases therefrom,  
25 and discharges them above the roof of the building, above the danger line, to prevent the contamination of the atmosphere; and the invention consists in features of novelty hereinafter fully described and pointed out  
30 in the claims.

Figure I is a vertical elevated section, and shows the garbage storage vault, built into the wall of an out building, and shows the sliding drawer within said vault, the bevel  
35 chute and lid of the same, and the gas escape flue that ascends from said vault and discharges above the roof. Fig. II is a front view of the vault with its closed latched door, with a detail of the wall of the building into  
40 which it is built. Fig. III is a vertical, detail section of the interior of the building into which the vault is built, and shows the depository end of the vault, with the lid in the course of raising for effecting a deposit; and  
45 Fig. IV is a detail, front view, and shows the vault built into the wall, its spring latch door thrown open, with part of the door frame broken away, to show the catch into which the spring bolt latches when closed; and also  
50 shows the front of the drawer, with the drop handle by which it is drawn out for emptying the garbage. Fig. V is a detail vertical

section of portions adjacent to the edge of the cover.

Referring to the drawings:—1 represents 55 the carriage or other out-house of a residence, in the wall 2 of which out-house the garbage storage vault 3 is built, and seated on a brick or other permanent foundation bed 4.

5 represents the door casing frame that in- 60 cases the front of said vault and which frame is secured to the wall by the bolts 6. On said frame casing the door 7 is hung by the hinges 8, which hinges are secured by the rivets or screws 9.

10 represents a bolt or latch, which works 65 in its boxing 11, under the impulse of the spiral spring 12, which spring pushes against the rear end of said boxing and against the drive-head 13 of the latch bolt, to project its  
70 bevel lock latch 14 into the lock slot 15 within said door frame 5. The perforate flange 16 of said latch boxing is secured by rivets 17 to the inside of said door.

18 is a latch knob the attachment end 19 75 of which is screwed or riveted into the perforation 20 in the latch bolt, and the stem of said knob works in the elongated slot 21 in the door when the garbage gatherer forces said knob back and thus withdraws the latch 80 to enable him to open the door.

22 is an integral inside projecting flange on said door that when the door is closed fits closely on its four sides to the inner edges of said door frame 5.

23 represents an integral rearwardly projecting flange on the back of said door frame, on all four of its sides, which flange fits closely against the inside of the mouth of said vault in connection with its bottom 90 plate 24, its side plates 25, and its top plate 26, and maintains a tight tension hold thereof.

27 represents the depository drawer that slides in said vault 3, and 28 is the drop handle, the perforate attachment plate 29 of 95 which is secured to the front of said drawer by the rivets 30.

31 represents the back plate of the vault, the top of which is bent over inward at an acute angle flange 32, and the end adjacent 100 to it of the inclined chute 33 at the depository mouth 34 of said garbage vault is secured to said inclined flange 32 by rivets 35. The top plate 26 extends from the door cas-

ing frame 5 to the depository mouth 34 of the vault, where it is bent up at a right angle flange 36, for a short distance until it has attained the level of the top of the after  
5 inserted inclined chute 33, from which point it is bent downward for a short distance making an acute angle flange 37, which supports one end of said inclined chute 33 to which it is secured by rivets 38.

10 39 represents a lid casing frame, that extends around the depository mouth of the vault, to which it is secured by the rivets 40, and said casing frame is surmounted at one end by a narrow table 41, that is integral  
15 with said casing.

42 represents the lid that incloses the depository mouth 34, at all times except when a deposit is being made. 43 are the pendent flanges of said lid, that tighten its closure to  
20 arrest the escape of noxious gas from the vault into the building.

44 are the pivot hinges that hang said lid to the table 41 of said casing frame, and an integral projecting flange on the hinged end  
25 of the lid forms a stay hold 45, to retain said lid when open in a vertical position.

46 represents an integral flue collar that surmounts said table 41 of said casing frame 39, and 47 is the open discharge mouth  
30 through said table into the entrance of said flue collar.

48 represents a vertical flue that fits on said collar and extends upward through the flue opening 49 in the flanged collar flue cap 50, in the roof 51 of the building; and 52 is a  
35 hood the supporting arms 53 of which connect said hood to the top of said flue. The vault, drawer and flue are all preferably made of galvanized iron, but may be of any other  
40 suitable material.

The operation of the device has been mostly indicated during the introduction of its various constructive parts; but to still more clearly define the same, it may be added. The  
45 vault being built into the wall of a carriage or other outhouse of a residence, has its depository opening within said out-building, through which, after raising the lid, the garbage is dropped. The inclined chute 33, both  
50 directs its passage into the drawer, and prevents its being forcibly precipitated against the sides of said drawer, so as to avoid the obnoxious adhesion of sticky material to said sides. When said lid is again closed, its  
55 pendent flanges arrest the escape into the

building of gas that arises from the decomposing garbage in said vault; which noxious gases escape through the vertical flue 48, above the level of the roof of the building, and consequently where it will not contaminate the atmosphere on the ground level.  
60 The door of the vault as it opens out into the alley is of ready access to the garbage collectors, who drive along said alley, and who simply have to slide back the spring bolt,  
65 throw the door back on its hinges, slide out the drawer and empty the garbage it contains into the wagon bed, replace said drawer, close the door of the vault and drive on.

The invention is designed to provide a protection, in some measure, against the noxious prevalence of garbage gases, and of the disease that follows in their wake; and also to avoid the unsightly and even pestiferous practice of throwing garbage out into the  
75 alleys of our large cities where it results in the great increase of vermin and frequently of disease.

I claim as my invention—

1. In a garbage storage vault; the combination of the vault 3, having the front top plate 26, and provided with the depository mouth 34, the said vault having the inclined pendent flanges 32, around said mouth, the inclined chute 33, secured to said flanges by  
85 rivets 35, the hinged lid 42, having the pendent flanges 43, and having the projecting rear stay hold lug 45, the depository drawer 27, the hung door 7 of said vault, and the spring bolt-latch 10, that secures said door; substantially as described.

2. In a garbage storage vault, the combination of the vault 3, provided with the depository mouth 34, the inclined chute 33, the hinged lid 42, having the pendent flanges 43  
95 and the stay hold lug 45, the hung door 7 of said vault having the spring latch 10, the drawer 27, the flue collar 46, the flue 48, the collar flue-cap 50, and the hood 52; substantially as described.

3. The combination, with a wall 2 having a vault 3, the door-casing frame 5 having a door 7, provided with a fastening, the vault casings 25, 24, 26, 31, the angle flanges 32, 37, the inclined chute 33, and a cover 42; substantially as described.

WILLIAM OSTERMEYER.

In presence of—

ALBERT M. EBERSOLE,  
E. S. KNIGHT.