

No. 705,718.

Patented July 29, 1902.

J. THIELE.

GARBAGE RECEPTACLE AND MEANS FOR HANDLING SAME.

(Application filed Feb. 20, 1902.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

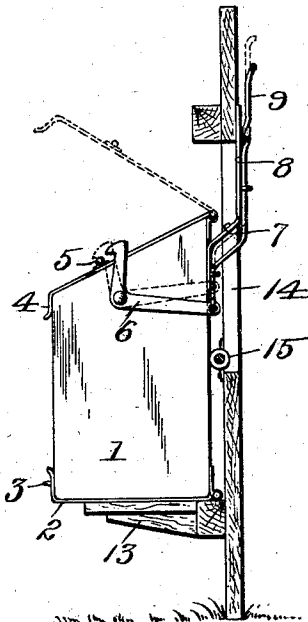
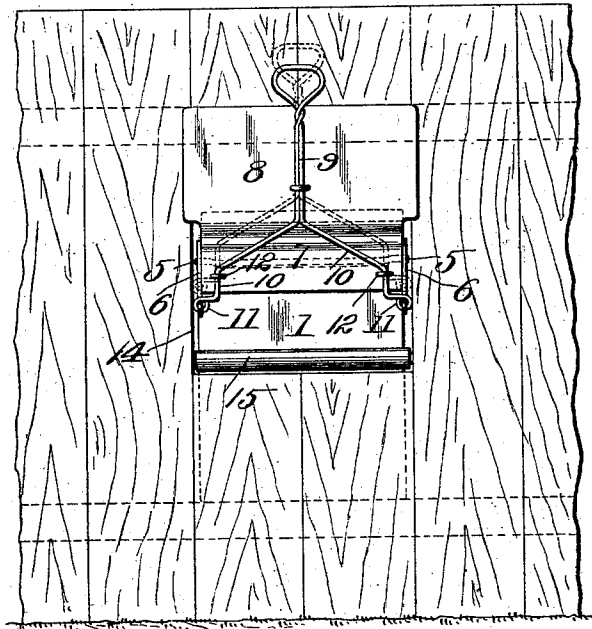


Fig. 2.



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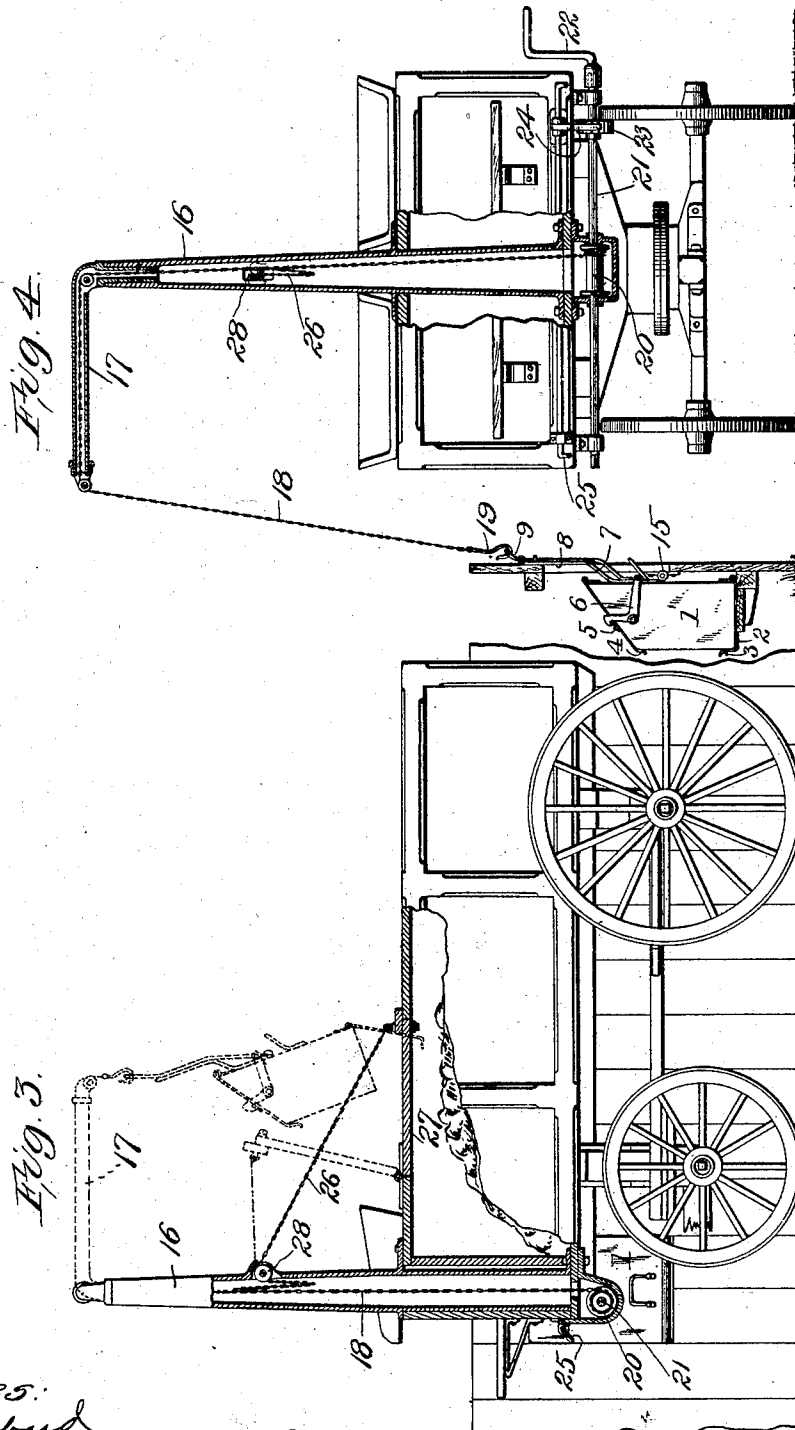
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GARBAGE-RECEPTACLE AND MEANS FOR HANDLING SAME.

SPECIFICATION forming part of Letters Patent No. 705,718, dated July 29, 1902.

Application filed February 20, 1902. Serial No. 94,895. (No model.)

To all whom it may concern:

Be it known that I, JOSEPHINE THIELE, a citizen of the United States, residing in the city of St. Louis, State of Missouri, have invented a certain new and useful Improvement in Garbage-Receptacles and Means for Handling the Same, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

The object of this invention is to provide a receptacle which can be easily and conveniently filled from the inside of a fence or shed and discharged into an appropriate garbage-wagon, replaced in position ready for refilling, and that will automatically lock the cover on the receptacle securely during its removal from the fence or shed. This is accomplished by means illustrated in the drawings, in which—

Figure 1 is a side view of the receptacle, showing its position at rest on the inside of the fence. Fig. 2 is an outside view of the fence, showing the receptacle in place. Fig. 3 is the side view of a garbage-wagon provided with an appropriate derrick for lifting the receptacle from its position of rest and moving it to the point of discharge over the wagon-body. Fig. 4 is a front view of Fig. 3 with parts in section of garbage-wagon, showing means of connecting to the garbage-receptacle.

Referring to the drawings, 1 is the garbage-receptacle, having a hinge-bottom 2, provided with a spring-catch 3 and has an incline top 4 hung by its back edge and provided with small lateral extending lugs 5, which are engaged by pivoted hooks 6. The back of the receptacle 1 has an offset 7, which extends upward, forming a shield 8 for covering an opening 14, through which the receptacle is to be drawn.

The handle 9 is made of iron rod, extends up over the shield 8, and spreads laterally to the arms 10, terminating in the ring 11, which engages the bent end of the hook 6. The handle 9 is slidingly mounted on the receptacle 1 and shield 8 by staples 12, and when the cover 4 of the receptacle 1 is down and the handle 9 raised to lift the receptacle 1 it is evident from an examination of Figs. 1 and 2 that the hook 6 will be brought to the posi-

tion shown in the dotted lines in Fig. 1, thus engaging the lugs 5 and securely locking cover 4 down on the receptacle 1.

The receptacle 1 rests upon a bracket or shelf 13 on the inside of the partition or fence, where the receptacle is to be placed, and an opening 14 is provided, through which the receptacle 1 can be removed to the outer side of the fence, and to facilitate an easy movement an antifriction-roller 15 is provided. Inasmuch as the friction-roller 15 is located at a position higher than half-way between the top and bottom of the receptacle 1, the receptacle 1 has to be raised in order to draw it through the opening 14. This necessitates the lifting of the handle 9 and consequent locking of the cover 4.

To discharge the contents of the receptacle 1 into the garbage-wagon, I provide a derrick 16 of the following form to be attached to the wagon: This derrick 16 consists of an upright tube, in the top of which is swiveled a laterally-extending arm 17. Through the arm 17 there extends a chain 18, provided with suitable hook 19 at its outer end, its inner end extending down through the tube 16 of the derrick to a windlass 20. This windlass 20 has a shaft 21 extending out and terminating in the square end at each side of the wagon, so that the handle-crank 22 can be operated from the right or left hand side, and is provided with the usual ratchet-wheel 23 and pawl 24, which pawl 24 is mounted upon a shaft 25, which extends across the front of the wagon and can be operated from either the right or left hand side. An auxiliary chain 26 is fastened to the trap-door 27 of the wagon and passes over a small pulley 28 in the side of the tube 16 and fastens to the chain 18 and is of such length that when the receptacle 1 is raised by the hook 19 to a position to discharge its contents in the wagon-box the trap-door 27 will be raised, as shown in the dotted lines of Fig. 3.

The operation is as follows: The wagon is driven to a suitable position, the hook 19 is engaged with the handle 9, the crank 22 is applied to the shaft 21 and turned. The chain 18 then lifts the receptacle 1 until it will swing clear of the top of the wagon, at which point the trap-door 27 will also be raised. The spring-catch 3 may then be released,

which will permit the hinge-bottom to fall open and discharge the contents of the receptacle 1 into the wagon, as shown in Fig. 3 in dotted lines, after which the swing-bottom 5 of the receptacle is snapped closed and the receptacle 1 returned to its place on the bracket 13.

One of the chief advantages of this device lies in the fact that it cannot be removed from its resting-place without raising handle 9, which locks the cover 4 in its closed position. Therefore the receptacle cannot easily be pulled from its place and its contents scattered in the driveway where the wagon passes. The derrick forms a quick and convenient method for lifting the receptacle, so that its contents may be discharged into the wagon without loss or dripping.

I claim—

20 1. The combination of a receptacle having a hinge-cover and an offset shield extending backward and upward for covering the opening in the partition through which the receptacle is drawn, and means connected to said

shield for raising said receptacle and at the same time locking the cover of the receptacle; substantially as described. 25

2. The combination of a receptacle having a hinge-bottom and a hinge-cover, a vertically-sliding handle, hooks for locking the hinge-cover and connected to said handle, and a derrick mounted on a suitable wagon provided with means for lifting said receptacle by said sliding handle and moving said receptacle to a position to discharge the contents thereof into the wagon; substantially as described. 30 35

3. The combination of a receptacle 1 provided with a hinge-bottom 2 and the hinge-cover 4 having hooks 6 mounted on the sides, a vertically-sliding handle 9 secured to operate said hooks 6 and cause them to lock the hinge-cover 4 in its closed position when the handle 9 is raised; substantially as described. 40

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