

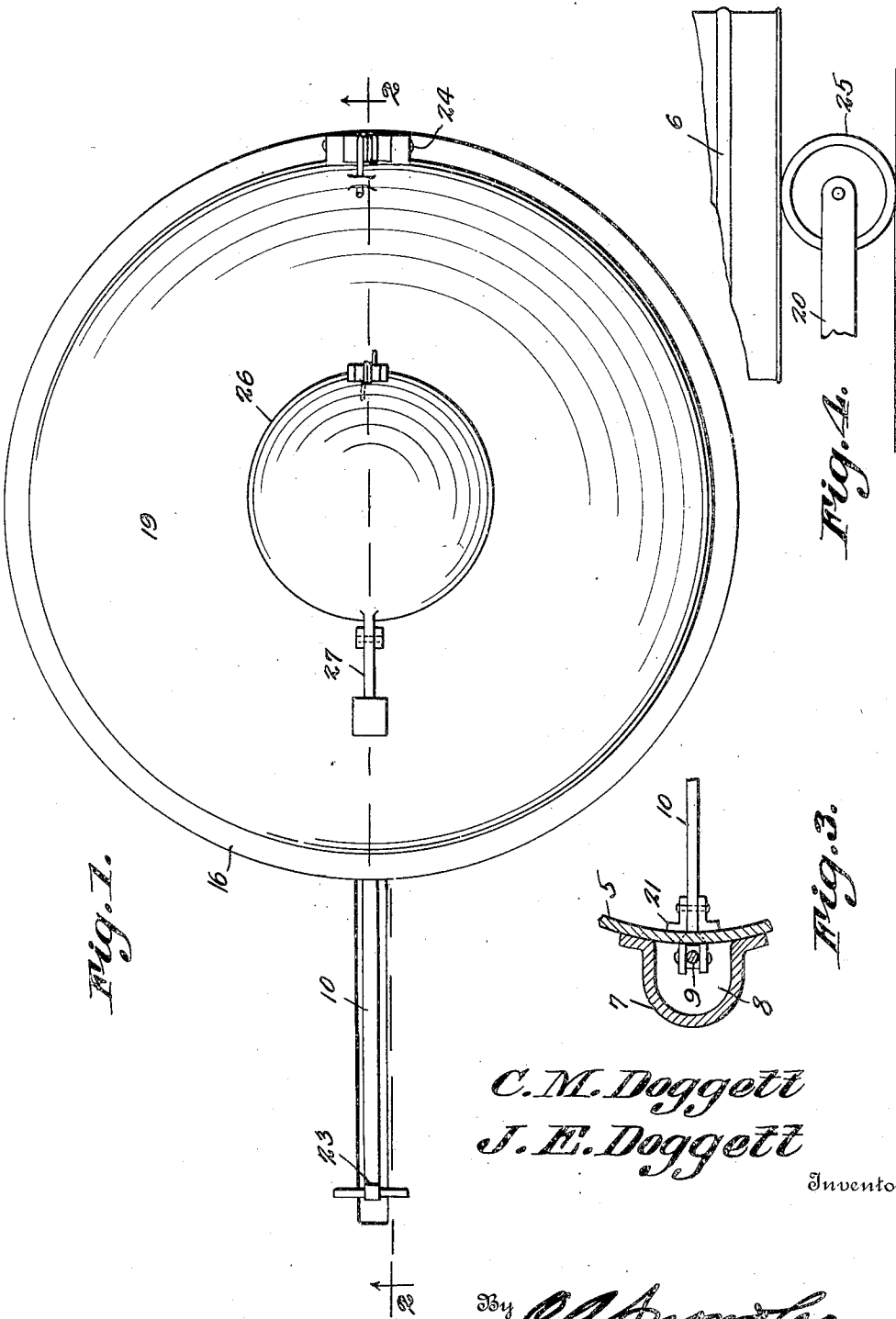
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C. M. DOGGETT ET AL
REFUSE CAN CONTAINER

2,496,522

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2 Sheets-Sheet 1



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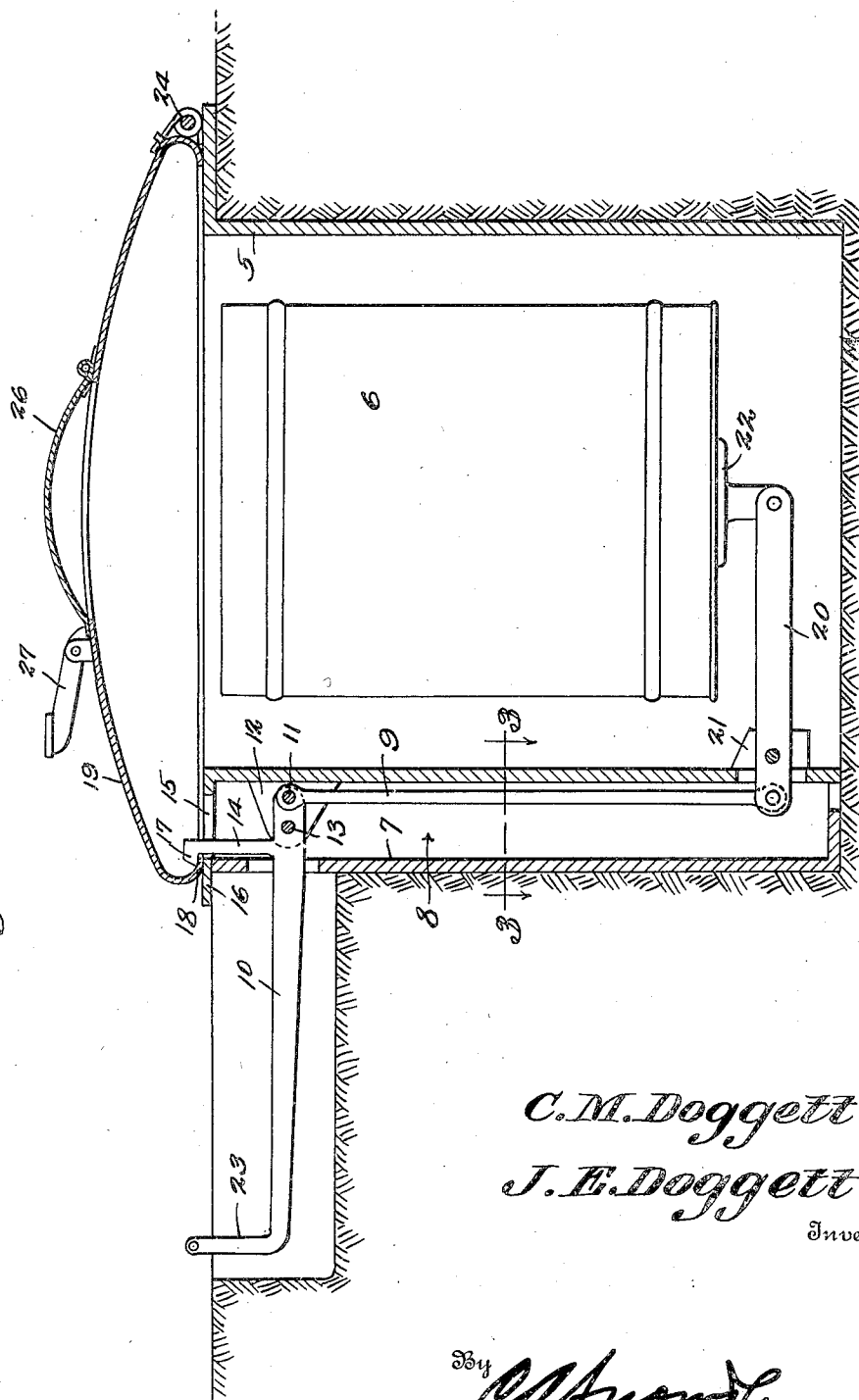
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Fig. 2.



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UNITED STATES PATENT OFFICE

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REFUSE CAN CONTAINER

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1 Claim. (Cl. 220-17)

1

This invention relates to a refuse can container, the primary object of the invention being to provide a sanitary and inconspicuous receptacle for containing refuse, the construction of the receptacle being such that the refuse can supported therein, will be readily accessible for depositing refuse therein.

Another object of the invention is to provide a receptacle for a refuse can wherein the refuse can may be readily and easily projected above the upper edge of the receptacle to permit the refuse can to be removed with facility.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts herein-after more fully described and pointed out in the claim, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

Referring to the drawings:

Figure 1 is a plan view of a refuse can receptacle constructed in accordance with the invention.

Figure 2 is a sectional view taken on line 2-2 of Figure 1.

Figure 3 is a sectional view taken on line 3-3 of Figure 2.

Figure 4 is a fragmental elevational view illustrating a modified form of contact between the refuse can and lifting lever.

Referring to the drawing in detail, the reference character 5 indicates the receptacle in which the refuse can 6 is housed. The receptacle 5 is constructed preferably of heavy sheet metal material, and is designed to be embedded in the ground surface, with the upper edge thereof flush with the ground surface, as clearly shown by Figure 2 of the drawings.

Extending longitudinally of the receptacle is a curved member 7, which forms the compartment 8 with the wall of the receptacle, the compartment being designed to house the operating rod 9, which has pivotal connection with the lever 10 at 11. The lever 10 is pivotally connected between the ears 12 that extend from the outer surface of the wall of the receptacle, the lever 10 being mounted on the pin 13.

Rising from the lever 10, is the arm 14, which extends through the opening 15 formed in the laterally extended annular flange 16, formed at the outer end of the receptacle 5, the arm 14 being provided with the head 17 that fits over the inwardly extended flange 18 of the cover 19, as shown by Figure 2. The lower end of the rod 9

2

has pivotal connection with the lifting lever 20, which is pivotally mounted between the ears 21 that extend inwardly from the inner surface of the receptacle 5. This lifting lever 20 also connects with the pivoted head 22, which provides a support for the refuse can 6, which is removably held thereon.

The free end of the lever 10 extends upwardly at 23 and provides a handle which may be pulled by the operator when it is desired to open the receptacle. The hinge for the cover 19 is indicated by the reference character 24, the hinge being of the spring type and so constructed that the cover 19 is normally urged to its open position by the spring hinge 24. Thus it will be seen that upon raising the handle 23, the head 17 will be disengaged from the flange 18, releasing the cover to the action of the spring hinge.

Upon further upward movement of the lever 10 the innermost end of the lever 20 will be lifted, moving the upper end of the refuse can 6 to a position above the upper end of the receptacle 5 so that it may be gripped by the person removing the refuse can.

In lieu of the head 22, it may be desirable to use a roller such as indicated at 25, on the end of the arm 20, for contact with the bottom of the refuse can, as shown by Figure 4 of the drawings. This roller will decrease friction between the operating lever 20 and bottom of the refuse can to reduce the pressure necessary to elevate the refuse can.

The cover 19 is formed with an opening which is normally closed by means of the pivoted cover 26, which is also provided with a spring hinge to normally urge the cover 26 open. The foot latch 27 is also constructed and arranged so that it will engage the edge of the cover 26 and normally hold the cover closed against the action of its spring hinge.

When it is desired to deposit refuse in the can 6, it is only necessary to press the foot latch 27, releasing the cover 26. The refuse may then be deposited through the opening in the cover 19.

When it is desired to remove the refuse can, the cover 19 is released by lifting the outer end of the lever 10, the refuse can 6 being projected above the upper edge of the receptacle 5 where it may be readily removed.

Having thus described the invention, what is claimed is:

A refuse can container comprising an outer receptacle, a cover for the receptacle, a spring-hinge connection between the cover and recep-

3

tacle and normally urging the cover to open position, an operating lever pivotally connected intermediate its ends to the receptacle near the upper end of the receptacle and extended laterally and outwardly from the receptacle, a handle 5 upstanding from the outer end of the lever and adapted to permit upward pull on the lever by an operator, a latch arm rigid with the lever and upstanding therefrom between the handle and pivotal connection of the lever to the receptacle, the latch arm normally engaging the cover to hold it closed, an operating rod pivoted at one end to the inner end of the lever and extended downwardly along the wall of the receptacle, a lifting lever pivoted intermediate its 15 ends to the receptacle and pivotally connected at one end to the other end of the operating rod, the other end of the lifting lever being extended through the receptacle wall, and a can support pivoted to said other end of the lifting lever and upstanding therefrom, whereby up-

4

ward pull on the handle will swing the latch arm inwardly to release the cover for opening under pressure of the spring hinge while simultaneously elevating the can support.

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