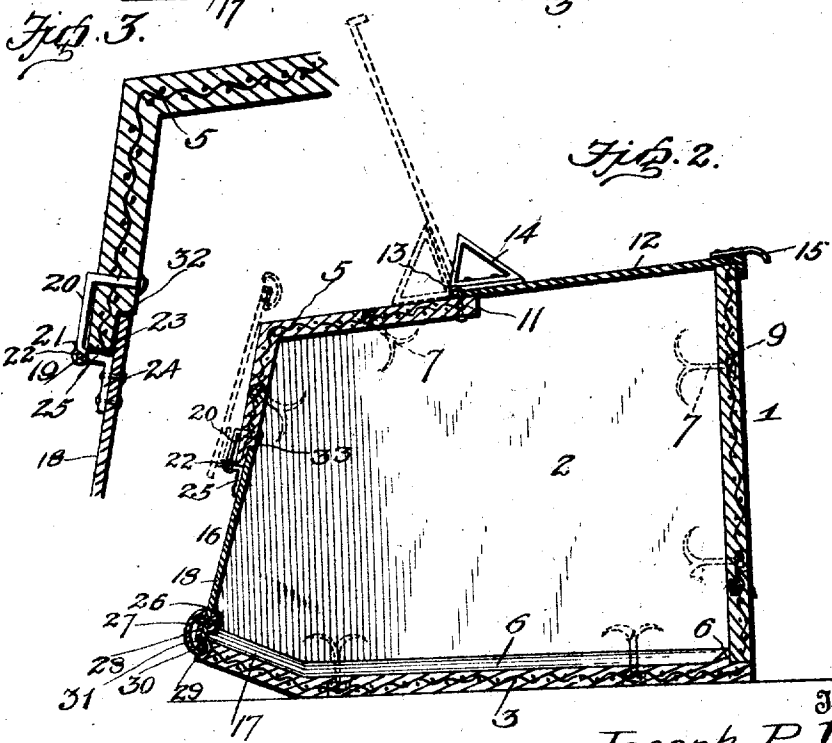
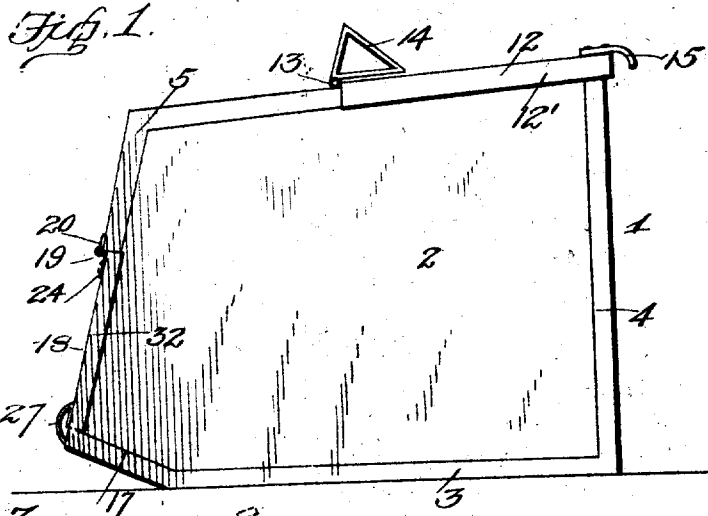


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 GARBAGE RECEPTACLE.  
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Witnesses  
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# UNITED STATES PATENT OFFICE.

JOSEPH P. URBAN, OF DETROIT, MICHIGAN.

GARBAGE-RECEPTACLE.

972,948.

Specification of Letters Patent.

Patented Oct. 18, 1910.

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*To all whom it may concern:*

Be it known that I, JOSEPH P. URBAN, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Garbage-Receptacles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in garbage receptacles.

The object of the invention is to provide a garbage receptacle formed of concrete sections suitably secured together to form a fluid and practically air-tight receptacle, means being provided whereby access may be had through the top and rear sides of the receptacle, for the purpose of placing garbage therein and removing the same therefrom.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a side view of the garbage receptacle constructed in accordance with my invention; Fig. 2 is a vertical longitudinal section, showing the covers closed in full lines and open in dotted lines; Fig. 3 is an enlarged detail sectional view of a portion of the rear end of the receptacle and the rear door, showing the construction and arrangement of the hinges which support this door.

Referring more particularly to the drawings, 1 denotes the receptacle which consists of sides 2, bottom 3, front end 4, and top and rear sections 5. These parts are made separate and in the form of concrete slabs and are adapted to be secured together at their edges to form the receptacle. In forming the sections of the receptacle, they are preferably reinforced by woven wire or any other construction and arrangement of metallic reinforcing element which is preferably embedded in the sections when they are molded. It will be understood, however, that the reinforcing of the sections of the re-

ceptacle is not compulsory and that the reinforcing material is employed when the sections of the receptacle are thin and light in weight, to give the walls proper strength.

The bottom section 3 is provided, adjacent to its front and side edges, with a bead 6 having a squared or right angular outer edge which forms a shoulder against which the lower edges of the front and side pieces of the receptacle are engaged when the parts are assembled. The inner edge of the head 6 is inclined or beveled inwardly, as shown, thus preventing the lodgment of any material placed in the receptacle.

Embedded in the side walls 2 of the receptacle, adjacent to the edges of the same are fastening bolts 7, the inner ends of which are forked and spread outwardly to form a firm engagement with the material of which the sides are constructed. The outer ends of the bolts 7 are threaded and project a suitable distance beyond the edges of the side walls and are adapted to be engaged with apertures 8 formed in the front, bottom and top and rear sections of the receptacle, and to have screwed thereon clamping nuts 9, by means of which said front, bottom, top and rear sections are secured into tight engagement with the edges of the side walls. Around the apertures 8 through which the ends of the bolts 7 project, are formed recesses or counter-sinks 10 which receive the nuts 9 when screwed onto the ends of the bolts, so that the outer surfaces of the nuts and the ends of the bolts are flush with the outer surfaces of the front, bottom and top and rear sections of the receptacle. The bolts 7 which secure the top and rear sections of the receptacle in place, are preferably arranged at an angle, as shown.

Between the forward edge of the top section of the receptacle and the front side thereof, is formed an opening 11 through which garbage is placed in the receptacle and said opening is closed by a door 12 preferably constructed of sheet metal and having along its side and front edges downwardly projecting flanges 12' which overlap the front end and sides of the receptacle and form a practically air-tight closure for the opening 11. The inner edge of the door 12

overlaps the inner edge of the opening 11 and said inner edge of the door is hingedly connected to the top section 5 of the receptacle by suitable hinges 13. On the door member of the hinges 13 are secured triangular stop frames 14, one side of which, when the door is opened, swings down into engagement with the top of the receptacle and supports the door in open position. On the outer edge of the door is arranged a suitable handle 15 whereby the door may be readily opened.

Between the lower edge of the rear section of the receptacle and the rear edge of the bottom 3 is formed a discharge opening 16, through which the contents of the receptacle may be removed. It will be noted that the rear end of the bottom of the receptacle is inclined upwardly for a short distance, as shown at 17, said inclined portion facilitating the engagement of a scoop or shovel with the contents of the receptacle and also serving to prevent liquid matter from leaking through the opening in the rear end of the receptacle. The opening 16 is closed by a door 18 which is preferably formed of sheet metal and is hingedly connected to the lower edge of the rear section of the receptacle, by hinges 19. The receptacle member 20 of the hinges 19 is preferably in the form of an angular bolt, the inner end of which projects through the rear section of the receptacle and is headed as shown. On the outer end of the member 20 of the hinge, is formed an apertured lug 21 through which is inserted a hinged pin or rod 22 which also engages an apertured lug 23 on the door members 24 of the hinge. The door members 24 comprise a flat attaching plat which is riveted or otherwise secured to the door and have formed thereon the outwardly projecting stud 25, on the outer end of which is formed the apertured lug 23. It will be noted that the rear wall of the receptacle is formed at a slight inclination, whereby when the cover 18 is swung upwardly and back against the end of the receptacle that the door will remain in an open position.

On the inner side of the door 18, adjacent to its lower edge, is secured a weight 26 which is preferably in the form of a bar and is hinged or otherwise secured to the door, as shown. To the outer side of the door, adjacent to its lower edge and at the middle thereof is secured a combined handle and catch 27 comprising a curved bar having on one end an angular inwardly projecting attaching plate 28 which is riveted or otherwise secured to the door. The opposite end of the curved portion of the catch is provided with an inwardly projecting beveled lug 29 which is adapted to catch over a rod 30 which is arranged in a recess 31 in

the rear edge of the bottom section of the receptacle and has its ends embedded in the material forming the bottom. By constructing the catch 27 as herein shown and described, the lug 29 will swing into engagement with the rod 30, when the door is dropped to a closed position, thus securing the door. When it is desired to open the door, the lug 29 may be readily disengaged from the rod. The door 18 is provided on its opposite sides with right angular flanges 32 which, when the door is in closed position, engage the opposite sides of the receptacle, as shown. The lower edge of the rear section 5 of the receptacle is recessed along its inner side, as shown at 33, and the upper edge of the door 18 engages this recess when the door is in closed position and thus forms a substantially fluid tight connection with the rear section of the receptacle. The upper corners of the door are notched out, as shown at 34, to permit the upper edge of the door to engage the recessed portion 33 of the rear end of the receptacle.

It will be understood that when the sections to the receptacle have been assembled and bolted together in the manner described, that the joints are made fluid tight by means of cement or other plastic material and that the recesses or counter-sinks around the ends of the bolts 7 and the nuts 9 are filled up with cement or the like, thus preventing all leakage. By forming the receptacle of a series of independent sections, the same is much more readily constructed than when molded in one piece, and after the parts have been assembled and sealed in the manner described, the receptacle will be as strong and durable as if formed in one piece.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined in the appended claim.

Having thus described my invention, what I claim is:

A garbage receptacle comprising separable bottom, front, sides and integral top and rear sections formed of concrete slabs, said bottom section having a bead arranged on its inner face, adjacent its front and side edges, said bead having a straight outer edge to form a flat shoulder and a beveled rear or inner face, the lower ends of said front and side sections resting on said bottom section with their inner faces abutting

said shoulder to form water tight joints, means for securing said sections together, said receptacle having a receiving opening in its top at the rear thereof and a discharge opening in its rear section near the bottom, and closures for said openings.

In testimony whereof I have hereunto set

my hand in presence of two subscribing witnesses.

JOSEPH P. URBAN.

Witnesses:

EDWARD A. LORELEY,  
PETER J. ALDRICH.