

Dec. 25, 1923.

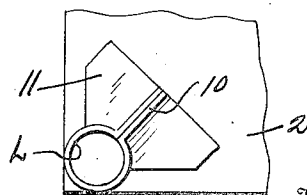
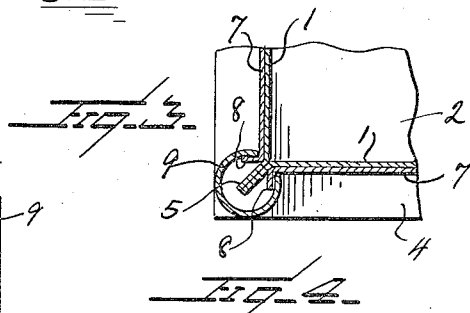
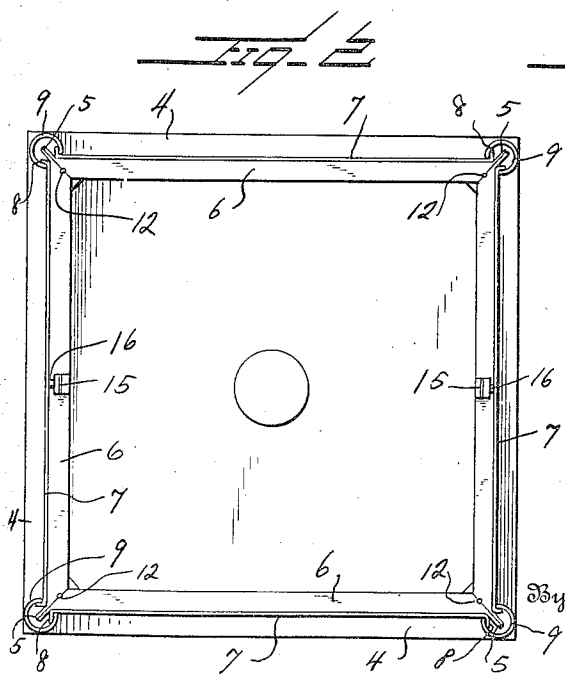
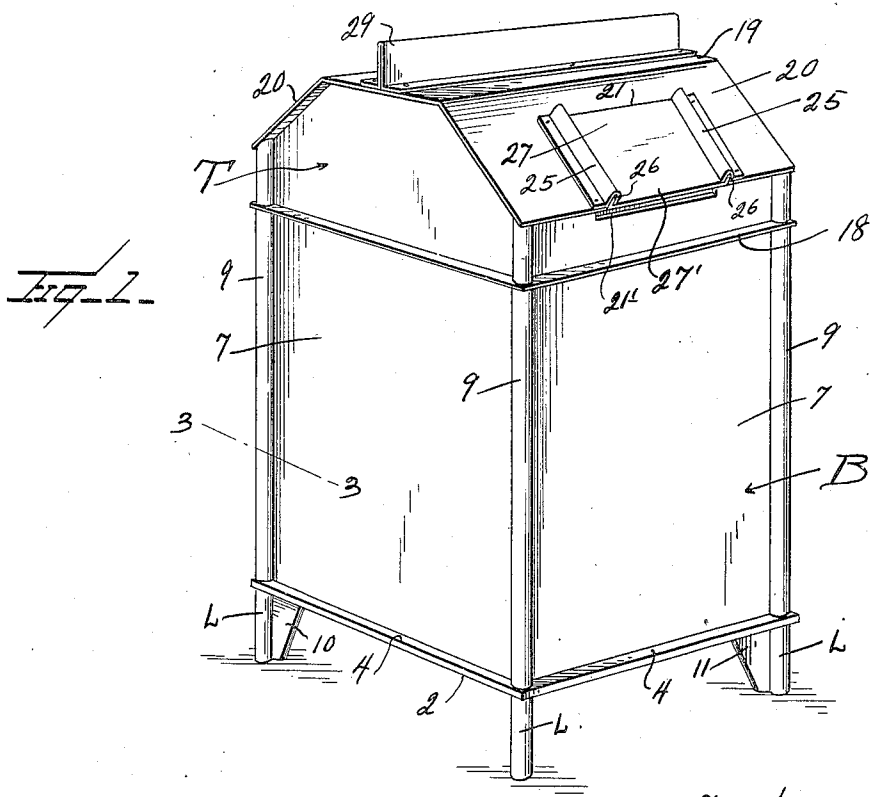
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J. A. BECKER

WASTE RECEPTACLE

Filed July 8, 1922

2 Sheets-Sheet 1



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Dec. 25, 1923.

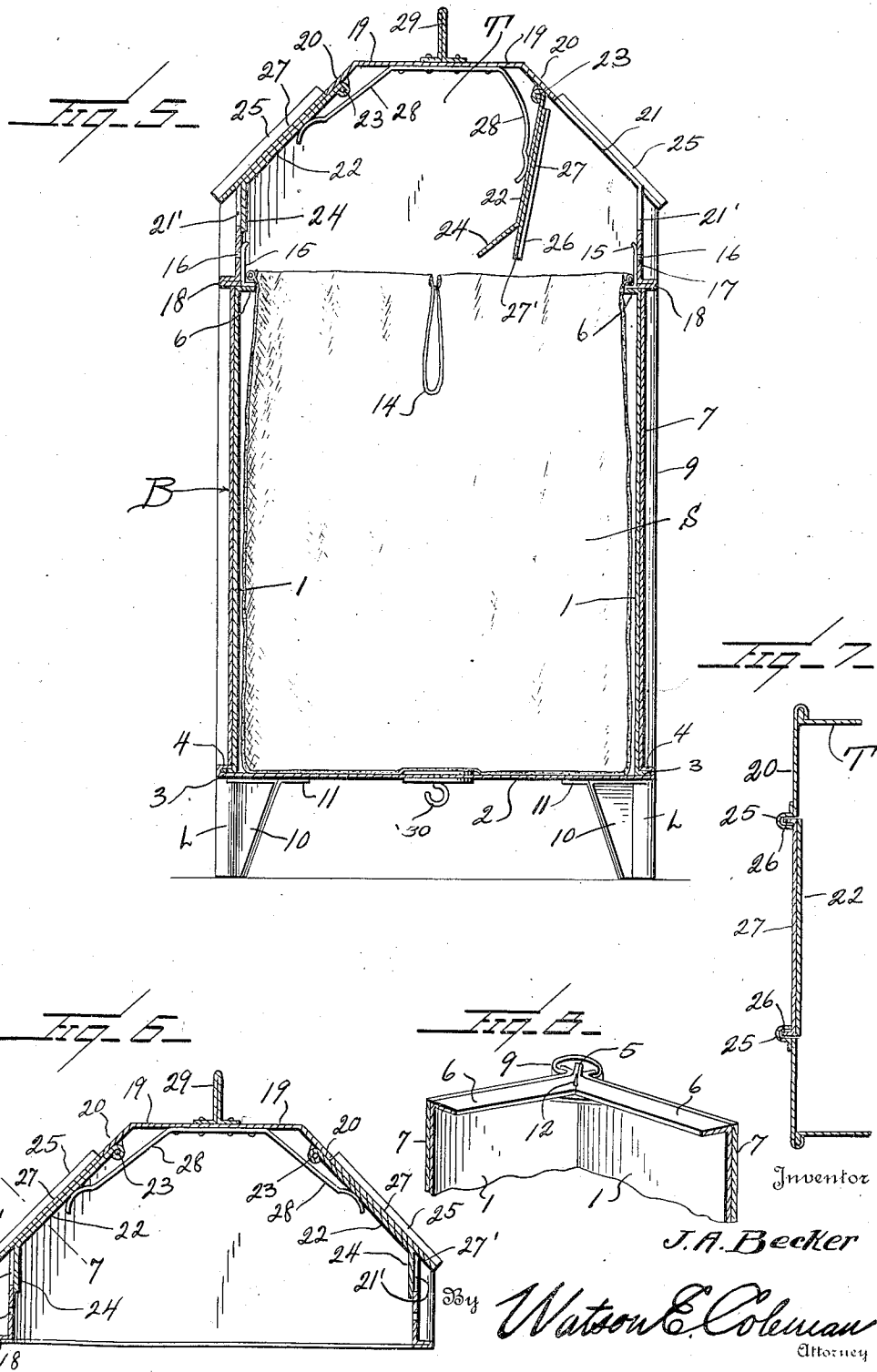
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2 Sheets-Sheet 2



# UNITED STATES PATENT OFFICE.

JOHN A. BECKER, OF NAMPA, IDAHO.

## WASTE RECEPTACLE

Application filed July 8, 1922. Serial No. 572,509.

*To all whom it may concern:*

Be it known that JOHN A. BECKER, a citizen of the United States, residing at Nampa, in the county of Canyon and State of Idaho, has invented certain new and useful Improvements in Waste Receptacles, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to waste receptacles and it is an object of the invention to provide a novel and improved device of this general character wherein a removable bag or the like is supported within the receptacle proper, a portion of said receptacle being removable to permit the withdrawal of such bag when desired.

Another object of the invention is to provide a novel and improved device of this general character especially designed and adapted for public use and wherein provision is made for the display of advertisements.

Furthermore, it is an object of the invention to provide a novel and improved device of this general character wherein removable side plates or panels are employed and which are adapted to carry advertisements or the like.

An additional object of the invention is to provide a novel and improved device of this general character which is especially adapted for outside use and which is constructed in a manner to maintain the same substantially proof against insects, dust and rain.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved waste receptacle whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:

Figure 1 is a view in perspective illustrating a waste receptacle constructed in accordance with an embodiment of my invention;

Figure 2 is a view in top plan of the device as herein disclosed with the top removed;

Figure 3 is a fragmentary sectional view taken substantially on the line 3—3 of Figure 1;

Figure 4 is a fragmentary view in bottom plan of the device as herein disclosed and illustrating one of the supporting legs;

Figure 5 is a fragmentary sectional view taken through the device as illustrated in Figure 1, one of the doors being open; and

Figure 6 is a vertical sectional view taken through the top removed with the doors in closed position;

Figure 7 is a fragmentary sectional view taken substantially on the line 7—7 of Figure 6; and

Figure 8 is a fragmentary view in perspective of an upper corner of the body of the receptacle.

As disclosed in the accompanying drawings, my improved receptacle comprises a hollow body B herein disclosed as substantially rectangular in form and which comprises the side walls 1 and the bottom wall 2, the side walls 1 being provided at their lower margins with the outstanding flanges 3 which interlock with the reverted flange 4 arranged at the marginal portions of the bottom wall 2. The adjacent vertical margins of the side walls 1 are soldered, welded or otherwise connected and are disposed outwardly to provide corner flanges 5 arranged at substantially an angle of forty-five degrees to the adjacent side walls 1. The upper margins of the side walls 1 are defined by the inwardly directed flanges 6.

Associated with each of the side walls 1 is a panel 7 which is adapted to have produced thereon advertisement or other matter for display, said panel being of substantially the same dimensions as the associated wall 1. The side or vertical margins of the panel 7 is provided with an outstanding flange 8 which, when the panel 7 is in applied position, are immediately adjacent to the corner flanges 5.

Co-acting with each of the corners of the body B is an elongated tubular split sleeve or barrel 9 preferably cylindrical in cross section and which when applied houses a corner flange 5 and engages the side or vertical flanges 8 of the adjacent removable panel 7 whereby said panels are effectively maintained in applied position. Each of the sleeves or barrels 9 is applied or removed by sliding action with the flanges 8 extend-

ing within the sleeve or barrel through the split thereof. When the barrels or sleeves 9 are applied they also afford ornamentation of the complete receptacle and preferably extend from the bottom of the body B to the top or open face thereof.

Associated with the corners of the body B and attached to the bottom wall or plate 2 thereof are the supporting legs L. Each of these legs comprises a split sleeve or barrel having its longitudinal edges defined by the outstanding wings 10, the upper ends of which wings being defined by the outstanding flanges 11 which are soldered or welded or otherwise attached to the bottom wall or plate 2 of the body B.

Suitably secured to a central portion of the bottom wall or plate 2 of the body B and depending therefrom is a hook member 30 to which a weight may be attached and which will be concealed from view, said weight being heavy enough to hold said plate against displacement when subjected to a strong wind or other pressure.

The upper portion of the body B at the corners thereof is provided with upstanding pointed members 12 to provide means whereby a bag or sack S may be effectively held or arranged within the body B to directly receive the waste or other material deposited within the receptacle. This bag or sack S has associated with its mouth a draw string 14 so that the mouth of said bag or sack may be closed, which closing of the mouth of the bag or sack S may be accomplished by pulling upon the draw string 14, to take the bag or sack S out of the body B. This provides an operation whereby the bag or sack S with the material therein, when withdrawn from the receptacle, may be deposited in a collection wagon, it being understood that the filled bag or sack is replaced by an empty one.

The opposed side walls 1, or more particularly the flanges 6 thereof at their longitudinal centers, are provided with upstanding spring arms 15 which are provided adjacent their outer ends with outwardly facing lugs or fingers 16.

These lugs or fingers 16 are received within the openings 17 in the side walls of the top member T whereby said top member is effectively held in applied position by the body B. This holding means for the top T, however, permits the top to be readily removed when it is desired to withdraw the bag or sack S and to replace the same. The side walls of the top T are provided at their lower marginal portions with the outstanding flanges 18 which when the top T is applied rest upon the flange 6 of the body B.

The central portion 19 of the top T is flat while the portions 20 at opposite sides thereof are disposed on downward inclines. The

inclined portions 20 are provided with openings 21, each of which being partially continued as at 21' in the portion of the side wall immediately below the inclined portion. The openings 21 and 21' provide means whereby waste or other material may be readily deposited within the receptacle and said openings 21 and 21' are normally closed by a swinging door 22 hingedly connected at 23 to an inclined portion 20 at a point above or in close proximity to the associated opening 21. The lower marginal portion of the door 22 is provided with an angular extension 24 which serves to close the portion 20' of the openings 21.

The side marginal portions of each of the openings 21 is provided with reverted flanges 25, said flanges facing inwardly and overlying the opening 21. The flanges 25 provide grooves to receive the marginal flanges 26 carried by a plate 27 overlying the door 22 and welded or otherwise secured thereto. The plate 27, when the door is in closed position, is received within the opening 21 and the lower marginal portion of the plate 27 extends beyond the lower marginal portion of the door 22 proper to provide a shed 27' which, when the door 22 is closed extends beyond the adjacent side of the top and whereby the entrance of water within the receptacle, and particularly through the portion 21' of the opening, is prevented. The interengagement between the flanges 25 and 26 also prevent the ingress of water within the receptacle.

The particular construction in the mounting of the doors 22 also prevent ingress within the receptacle of dust, insects, and the like.

The doors 22 are normally maintained in closed position by the spring 28. This spring 28 has its central portion secured to the upper wall of the top T and has its opposite end portions constantly in contact with the inner face of the doors 22 as is clearly illustrated in Figures 5 and 6.

The upper wall of the top T has disposed thereacross an upstanding flange 29 which, in addition to being ornamental, serves to further reinforce the structure of the top T.

This flange 29 is also adapted to apply thereto reading or other matter such as a notice to the public to keep the city clean.

From the foregoing description it is thought to be obvious that a waste receptacle constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of

the several parts herein shown in carrying close the portion of the opening below the

out my invention in practice except as hereinafter claimed.

I claim:

1. A receptacle of the class described comprising a body provided with side walls, outstanding flanges carried by the body between adjacent side walls, panels overlying the side walls, said panels having flanges positioned adjacent the flanges of the body, and members straddling the flanges of the body and engaging the flanges of the panels for holding the panels applied to the body.

2. A receptacle of the class described comprising a body portion provided with side walls, panels overlying the side walls of the body, the vertical marginal portions of the panels being provided with outstanding flanges, and means engaging the flanges of adjacent panels for holding said panels to the body.

3. A receptacle of the class described comprising a body portion provided with side walls, panels overlying the side walls of the body, the vertical marginal portions of the panels being provided with outstanding flanges, and a split barrel associated with each pair of adjacent flanges of the panels to hold the panels in applied position.

4. A receptacle of the class described comprising a body portion provided with side walls, panels overlying the side walls of the body, the vertical marginal portions of the panels being provided with outstanding flanges, and a split barrel associated with each pair of adjacent flanges of the panels to hold the panels in applied position, said barrel being applied or removed by lengthwise sliding movement.

5. In combination with a receptacle of the class described, a top therefor, the upper portion of a wall of the top being inclined inwardly and upwardly, said inclined portion of the top and the wall immediately therebelow being provided with an opening, a door for said opening hingedly engaged with the top above the opening, said door opening inwardly, the lower marginal portion of the door being angularly disposed to

inclined portion of the wall, and means for normally maintaining said door in closed position.

6. In combination with a receptacle of the class described, a top therefor, the upper portion of a wall of the top being inclined inwardly and upwardly, said inclined portion of the top and the wall immediately therebelow being provided with an opening, a door for said opening hingedly engaged with the top above the opening, said door opening inwardly, the lower marginal portion of the door being angularly disposed to close the portion of the opening below the inclined portion of the wall, and a spring secured to the top and engaging the door and constantly urging said door into closed position.

7. In combination with a receptacle of the class described, a top therefor, the upper portion of a wall of the top being inclined inwardly and upwardly, said inclined portion of the top and the wall immediately therebelow being provided with an opening, a door for said opening hingedly engaged with the top above the opening, said door opening inwardly, the lower marginal portion of the door being angularly disposed to close the portion of the opening below the inclined portion of the wall, the side marginal portions of the opening in the inclined portion of the wall being provided with reverted flanges overlying the opening, said door having outstanding flanges engaging within the reverted flanges when the door is closed.

8. In combination with a receptacle provided at its upper portion with laterally disposed flanges, upstanding spring arms carried by said flanges, a top for the receptacle, said arms extending inwardly of the top when the top is in applied position, and coacting means carried by the spring arms and the top whereby the top is locked in applied position upon the receptacle.

In testimony whereof I hereunto affix my signature.

JOHN A. BECKER.