

No. 865,423.

PATENTED SEPT. 10, 1907.

W. McCORMICK & H. BARNES.

FLUSHING TANK.

APPLICATION FILED NOV. 17, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

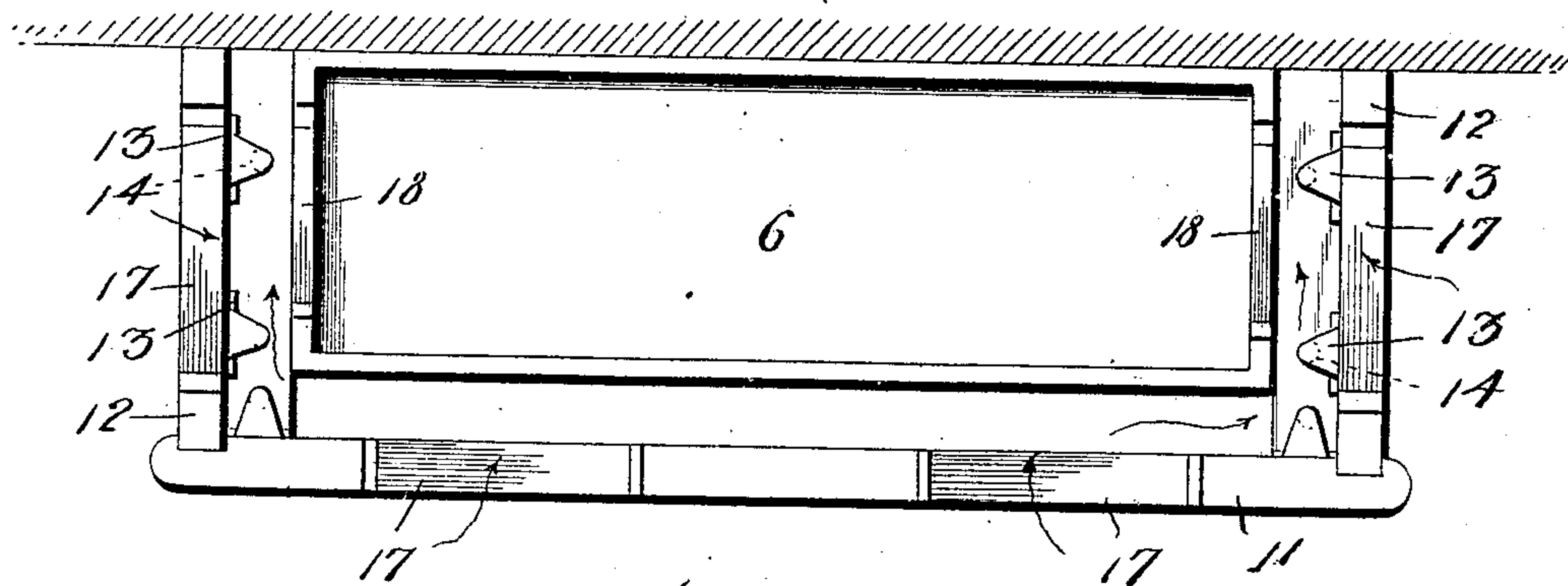
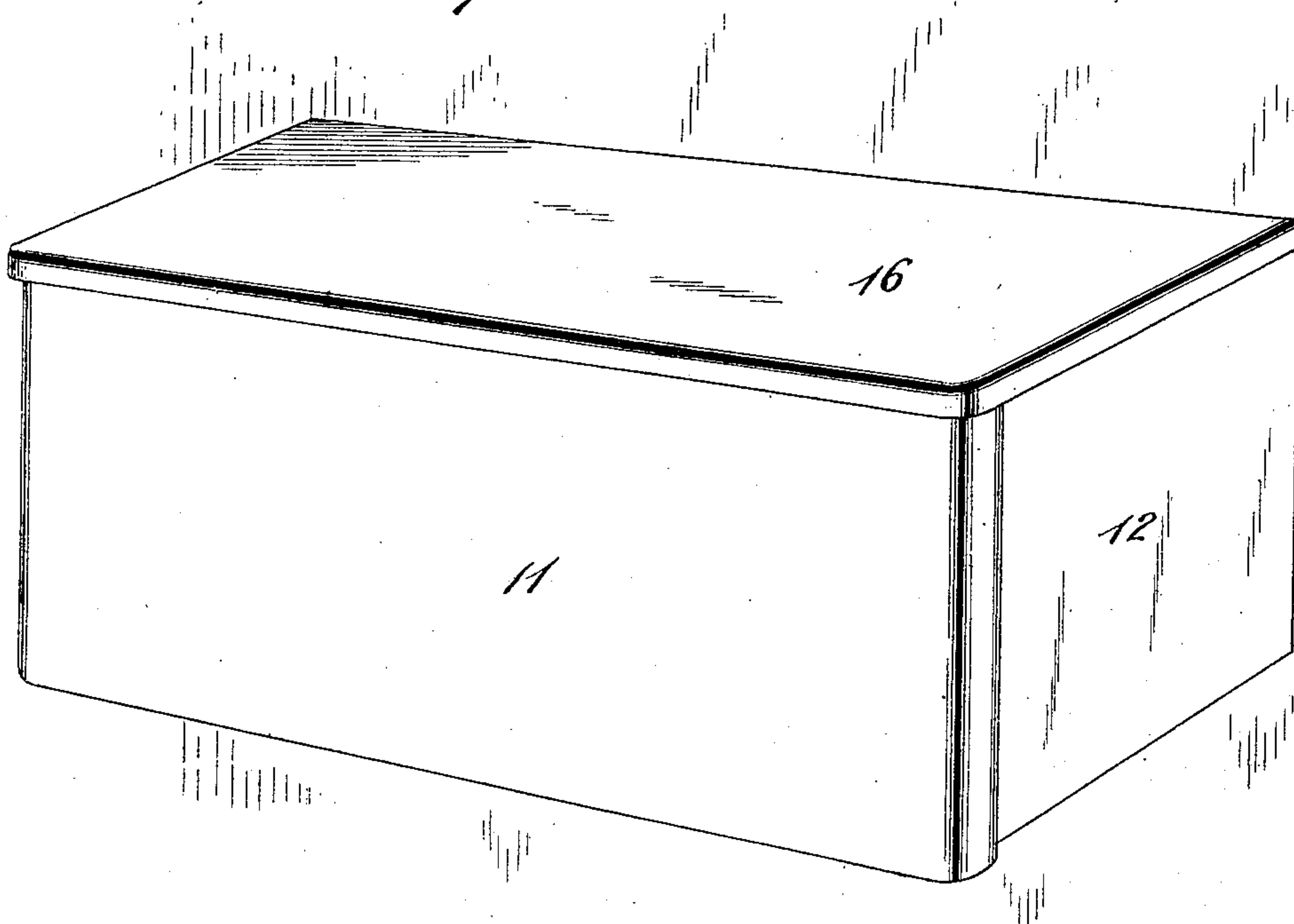


Fig. 2.

Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

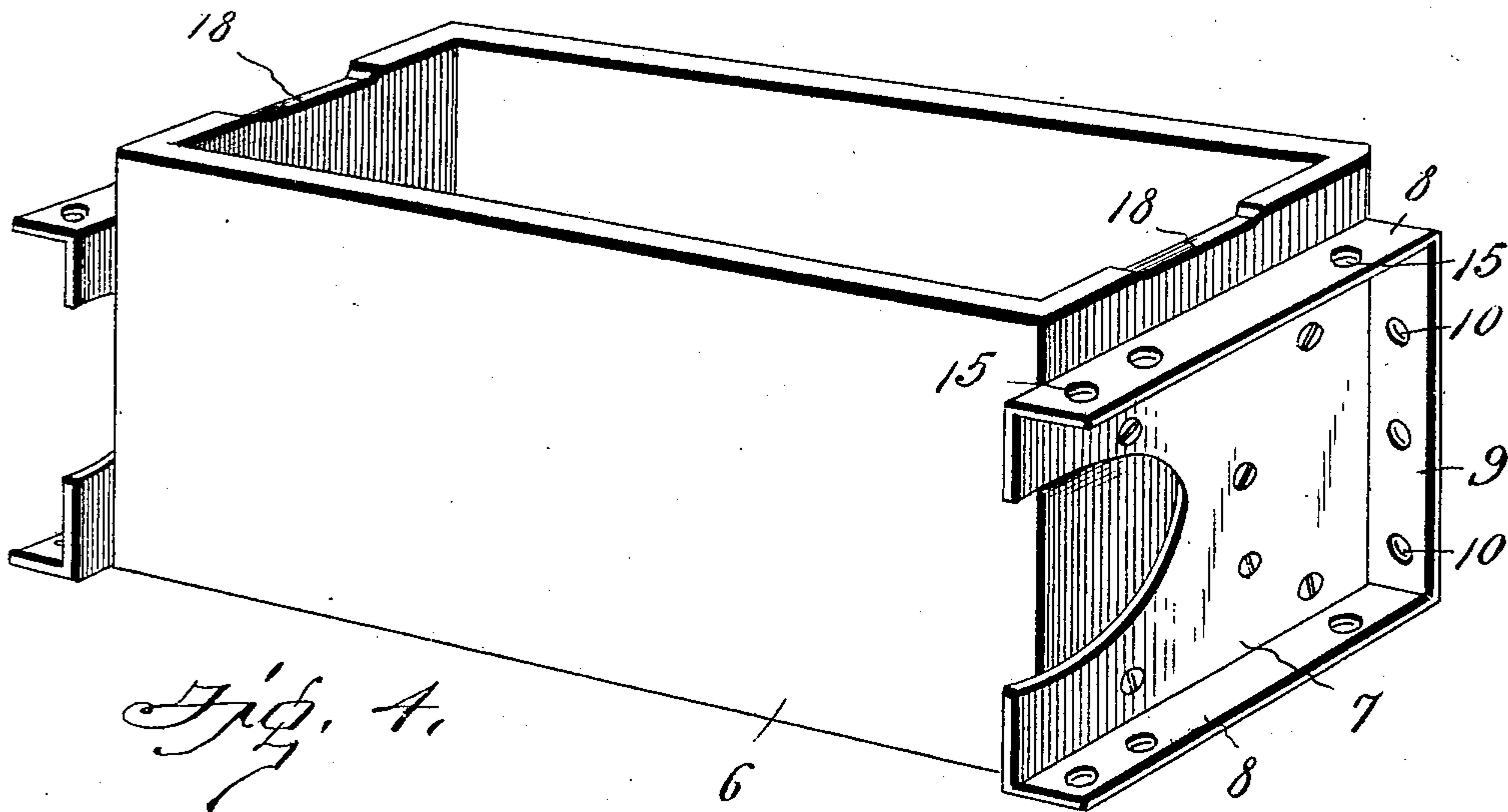
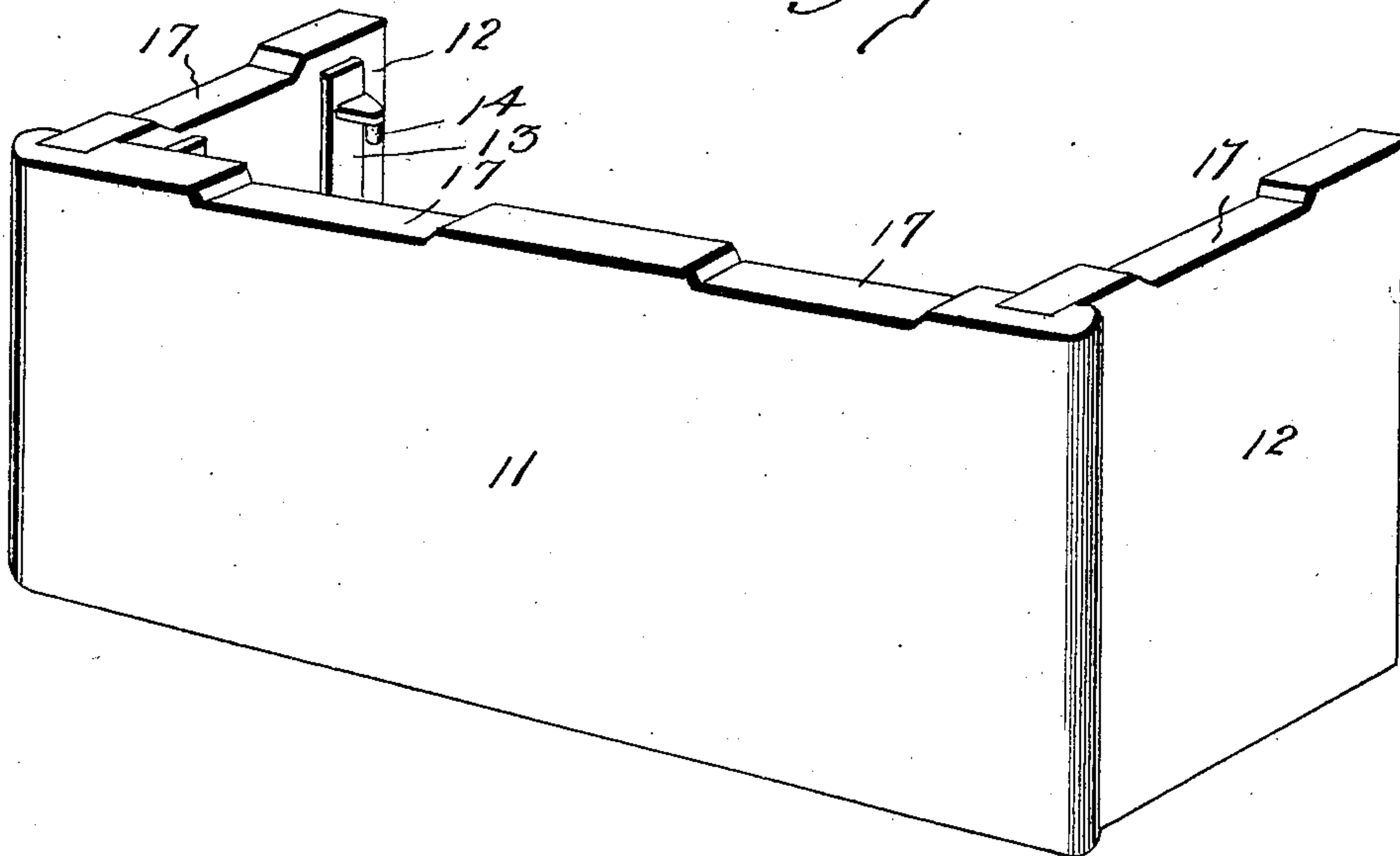


Fig. 4.

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UNITED STATES PATENT OFFICE.

WILLIAM McCORMICK AND HARRY BARNES, OF CLEVELAND, OHIO.

FLUSHING-TANK.

No. 865,423.

Specification of Letters Patent.

Patented Sept. 10, 1907.

Application filed November 17, 1906. Serial No. 343,892.

To all whom it may concern:

Be it known that we, WILLIAM McCORMICK and HARRY BARNES, citizens of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented new and useful Improvements in Flushing-Tanks, of which the following is a specification.

This invention relates particularly to flushing tanks for water closets.

10 An ordinary wooden tank, lined directly with metal, is subject to warping or splitting, caused by condensation of water on the outside or by leak from the inside. Such tanks are also difficult to remove, the woodwork usually being rigidly fixed to the wall, and hence also
15 subject to defacement or injury when the walls of the room are being papered, painted or otherwise repaired.

The object of the present invention is to avoid the defects mentioned. This is done by providing an outer detachable casing for the tank, which can be quickly
20 removed or replaced without disturbing the tank proper. The outer casing is spaced from the tank, so that an air circulation is provided therebetween, which avoids condensation incident to the cold water, and also avoids any injury from possible leakage.

25 The invention is illustrated in the accompanying drawings, in which

Figure 1 is a perspective view of the complete tank. Fig. 2 is a top view with the cover removed. Fig. 3 is a perspective view of the casing detached. Fig. 4 is a
30 perspective view of the tank proper.

The invention is particularly adapted for low down closet tanks, but is applicable to other tanks used for water closet or other purposes.

Referring specifically to the drawings, the tank proper
35 is indicated at 6, consisting of a box which may be made of cheap or rough stuff, with a metallic lining as usual. This box is supported by brackets at the ends, by which it is attached to the wall. Each bracket consists of a plate 7 secured to the end of the box, having outwardly-extending flanges 8 at its top and bot-
40 tom edges and a connecting flange 9 at its rear edge. The flange 9 is secured to the wall or other support by

nails or screws, which may be inserted through holes 10. The flange 9 is ordinarily flush with the backboard of the box, so that the box sets close against the wall. 45 The front edge of the plate, however, may be extended a short distance beyond the front of the box. This box or tank has the usual inlet and outlet connections for the purpose to which it is applied. The outer removable casing is preferably made of fine or polished stock, 50 consisting of a front board 11 and end pieces 12 joined thereto. This casing is of a size sufficient to extend around or inclose the tank and to provide an air space therebetween. The casing is supported on the tank by means of brackets 13 secured to the front and end boards 55 and having upper and lower hooked lugs 14 which take into holes 15 in the flanges 8 of the end plates. A cover 16 is provided to rest upon the top of the casing.

To provide for an air circulation between the tank and the casing, and to admit air into the tank when the 60 same is emptied, the front 11 and ends 12 have notches 17 in the top edge, and the end pieces of the tank 6 have corresponding notches 18, so that a flow of air is allowed through the open bottom of the casing and through the space between the casing and the tank, 65 and also when the tank is emptied a sufficient passage of the necessary air is permitted, without objectionable noise. The casing may be instantly removed by lifting the same to disengage the hooks 14 from the holes.

We claim:—

1.. The combination of a tank having flanges projecting from the side walls thereof and provided with holes, and an outer casing extending around and spaced from the tank and having brackets with inwardly projecting hooked lugs engaging in the holes. 70

2. The combination of a tank, plates secured to the ends thereof having flanges at the top, bottom and rear edges, and an outer casing extending around and spaced from the tank and having brackets with inwardly projecting lugs resting on the top and bottom flanges. 75

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses. 80

WILLIAM McCORMICK.
HARRY BARNES.

Witnesses:

SHIRLEY J. BOMMARDT,
EDITH D. COMER.