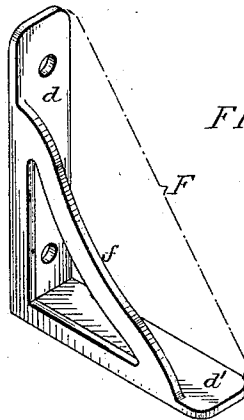
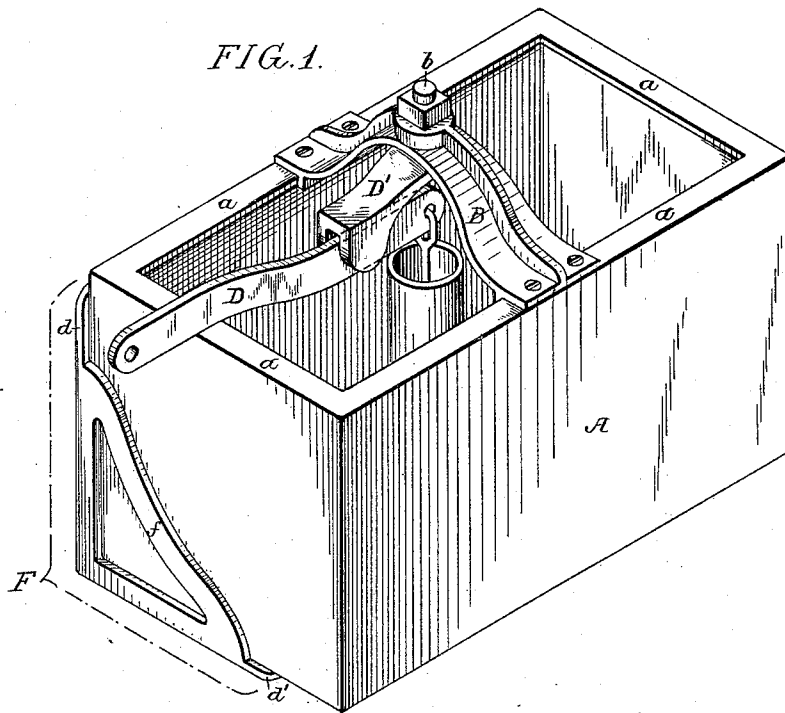


(No Model.)

W. S. COOPER.
WATER CLOSET RESERVOIR.

No. 474,217.

Patented May 3, 1892.



Witnesses:
Hamilton D. Turner.
John J. Heary.

Inventor:
William S. Cooper
by his Attorneys
Howson & Howson

UNITED STATES PATENT OFFICE.

WILLIAM S. COOPER, OF PHILADELPHIA, PENNSYLVANIA.

WATER-CLOSET RESERVOIR.

SPECIFICATION forming part of Letters Patent No. 474,217, dated May 3, 1892.

Application filed May 16, 1889. Serial No. 311,018. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. COOPER, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Water-Closet Reser-

voirs, of which the following is a specification. The object of my invention is to prevent that waste of space involved in the present construction of metal tanks or reservoirs for water-closets and of the supporting devices therefor, and this object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a water-closet tank constructed in accordance with my invention. Fig. 2 is a perspective view of one of the supporting-brackets therefor.

A represents a metal tank such as is required for the elevated water-reservoir of the closet, this tank having around its upper edge an internal projecting flange *a* for carrying the bridge-piece B, on which is supported the hanger for the valve-operating lever D, this hanger in the present instance consisting of an arm D', to which the lever is hung, and said arm being pivoted to the under side of the bridge-piece B by means of a vertical bolt *b*, so that it can be adjusted circumferentially to different positions to permit the location of the depending operating cord or chain in the most convenient position in respect to the seat of the closet. By forming upon the tank an inwardly-projecting flange *a* the space occupied by the tank is not any greater than the actual superficial area of the tank itself, and the latter can be fitted closely against the wall instead of having to be set at some distance from the wall, as it would have to be if the flange around the upper edge were an external flange. These tanks are usually supported upon brackets below the tank; but this mode of support is objectionable because of the amount of space vertically which the brackets occupy and which necessitates the

use of an excessively-large wooden box or casing for inclosing the tank. I therefore support the tank upon brackets F, each of which is applied to one of the lower inner corners of the tank, each bracket having a vertical flange *d*, bearing against the back of the tank, a horizontal flange *d'* serving as a support for the bottom of the tank, and a side web *f*, which lays snugly against the end of the tank. The tank is thus supported both vertically and laterally, and the wooden box or casing for inclosing the tank need be but little larger than the tank itself. By hanging the operating-lever to an arm at the under side of the bridge-piece B, moreover, there is but little projection of the attachment above the tank and the latter can be placed close up to the ceiling of the room in which the closet is situated.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. The combination of the tank with the supporting-brackets comprising rear and base flanges fitting snugly to the back and bottom of the tank, and a side web fitting snugly against the end of the tank, substantially as specified.

2. The combination of the tank and the cross-bar bridging the same and having a raised central portion with a valve-operating lever and an arm pivoted to the under side of the raised central portion of the bridge-piece extending laterally therefrom and having at its outer end depending lugs for the reception of the pivot-pin of the lever, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM S. COOPER.

Witnesses:

WILLIAM D. CONNER,
HARRY SMITH.