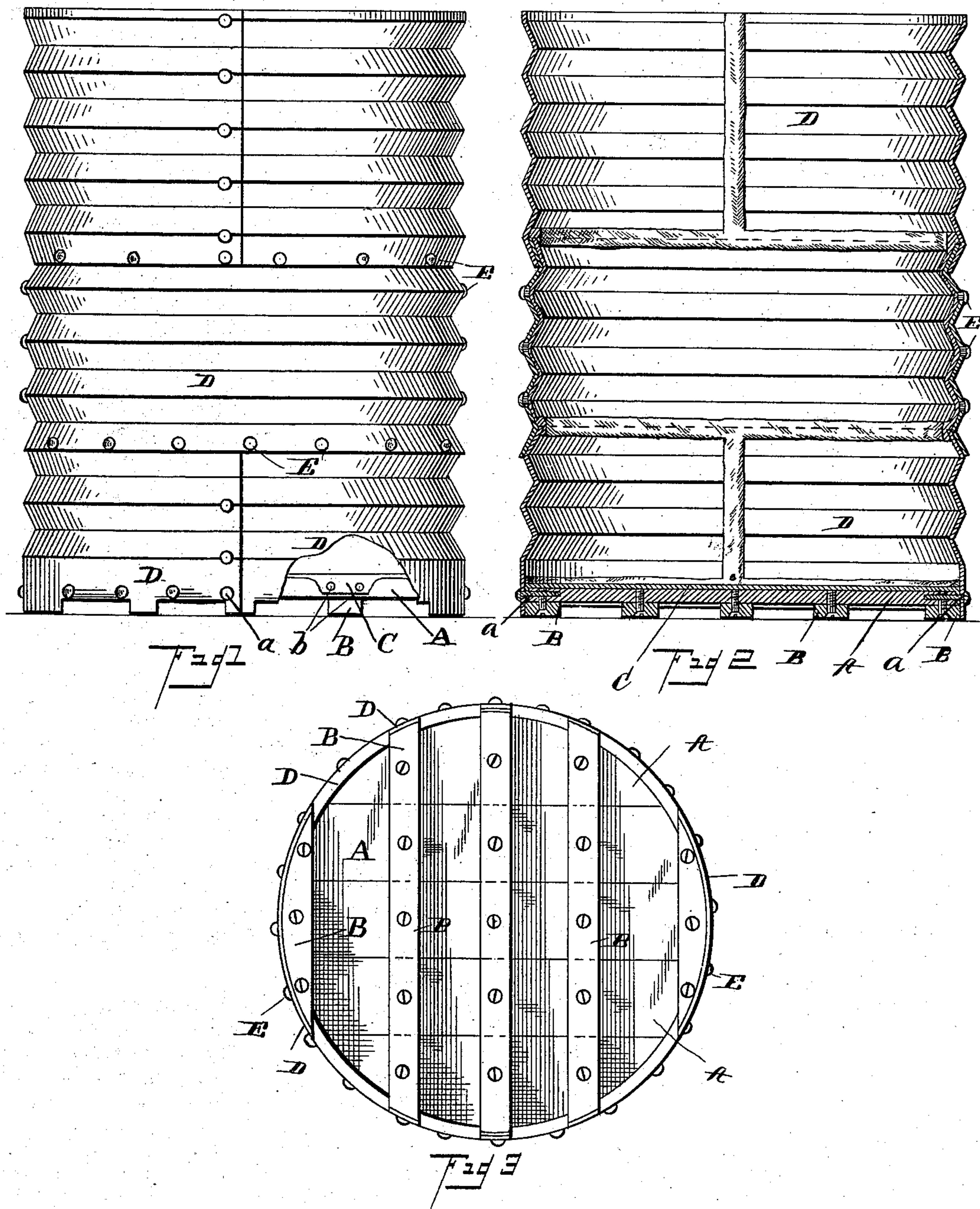


(No Model.)

H. W. HARRY.
TANK.

No. 400,566.

Patented Apr. 2, 1889.



Witnesses

John Imrie

R. W. Bishop.

Inventor,
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By his Attorneys

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UNITED STATES PATENT OFFICE.

HUGH W. HARRY, OF DALLAS, TEXAS.

TANK.

SPECIFICATION forming part of Letters Patent No. 400,566, dated April 2, 1889.

Application filed December 6, 1888. Serial No. 292,797. (No model.)

To all whom it may concern:

Be it known that I, HUGH W. HARRY, a citizen of the United States, residing at Dallas, in the county of Dallas and State of Texas, have invented new and useful Improvements in Tanks, of which the following is a specification.

My invention relates to improvements in tanks; and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of my improved tank with a part broken away so as to show the construction better. Fig. 2 is a vertical section, and Fig. 3 is a bottom plan view.

In carrying out my invention I employ a series of boards, A, of varying lengths, which are arranged close together and have their edges formed in the arcs of circles, so that when the said boards are arranged in a proper relative position they will form a complete circle. To the under sides of the said boards I secure a series of transverse strips, B, which connect the said boards, thereby securing them together, and also serving as supports for the tank when it is in an upright position. Upon the upper side of the boards A, I secure a circular plate, C, of galvanized iron, the edge of which is bent down around the edges of the boards A, and secured thereto by nails or tacks, as shown at *b* in Fig. 1. The boards A, the strips B, and the plates C form the bottom of my tank, as will be readily understood upon reference to the drawings.

The sides of the tank are composed of galvanized iron formed in plates, which are curved and corrugated in the direction of their curvature, and are arranged with their ends and side edges overlapping, and with their vertical joints arranged in the break-joint manner, as shown. These plates D have their ends secured together by rivets E, so that two plates, when properly secured together, will form a complete circle, and the series of circles thus formed are secured together vertically, one above the other, until the tank has been built to the desired height. The lower edge of the bottom circular section thus provided is secured to the circular

edge of the bottom of the tank by nails or tacks or other like fastenings, as shown at *a*, said nails or fastenings penetrating into the wooden bottom, so as to aid in securing the latter in place. The extreme lower edge of the bottom section of the tank is then bent under the ends or edges of the boards A constituting the main wooden bottom, which is thereby braced and strengthened, as shown. After the several sections have been riveted together I apply solder to all the joints, so as to make the tank water-tight.

It will be seen at once that I have provided a very simple tank, which can be built at a slight cost. Being constructed of corrugated metal, it possesses great strength and durability, and being made in sections in the manner described it can be built to any desired height, so as to have any desired capacity. The joints are all water-tight, so as to prevent leakage, and the ends and edges of the sections all overlap, so as to effectually resist the strain applied thereto. The bottom is especially constructed to support the weight of the water, and is prevented from becoming water-soaked by the metallic plate on the upper side thereof.

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

As an improvement in tanks, the combination of the wooden bottom having cross-braces on its under side, the sheet-metal bottom arranged over the wooden bottom and having an annular flange nailed or secured to said wooden bottom, and the metallic body, the lower end of which is connected to the bottom by nails, while the extreme lower edge of said body is turned under the wooden bottom between the cross-braces of the latter, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

HUGH W. HARRY.

Witnesses:

A. B. BRISTOL,
JOHN W. MORRISON.