

(No Model.)

H. R. STEVENS.  
TANK FOR WINDMILLS.

No. 298,793.

Patented May 20, 1884.

Fig. 1.

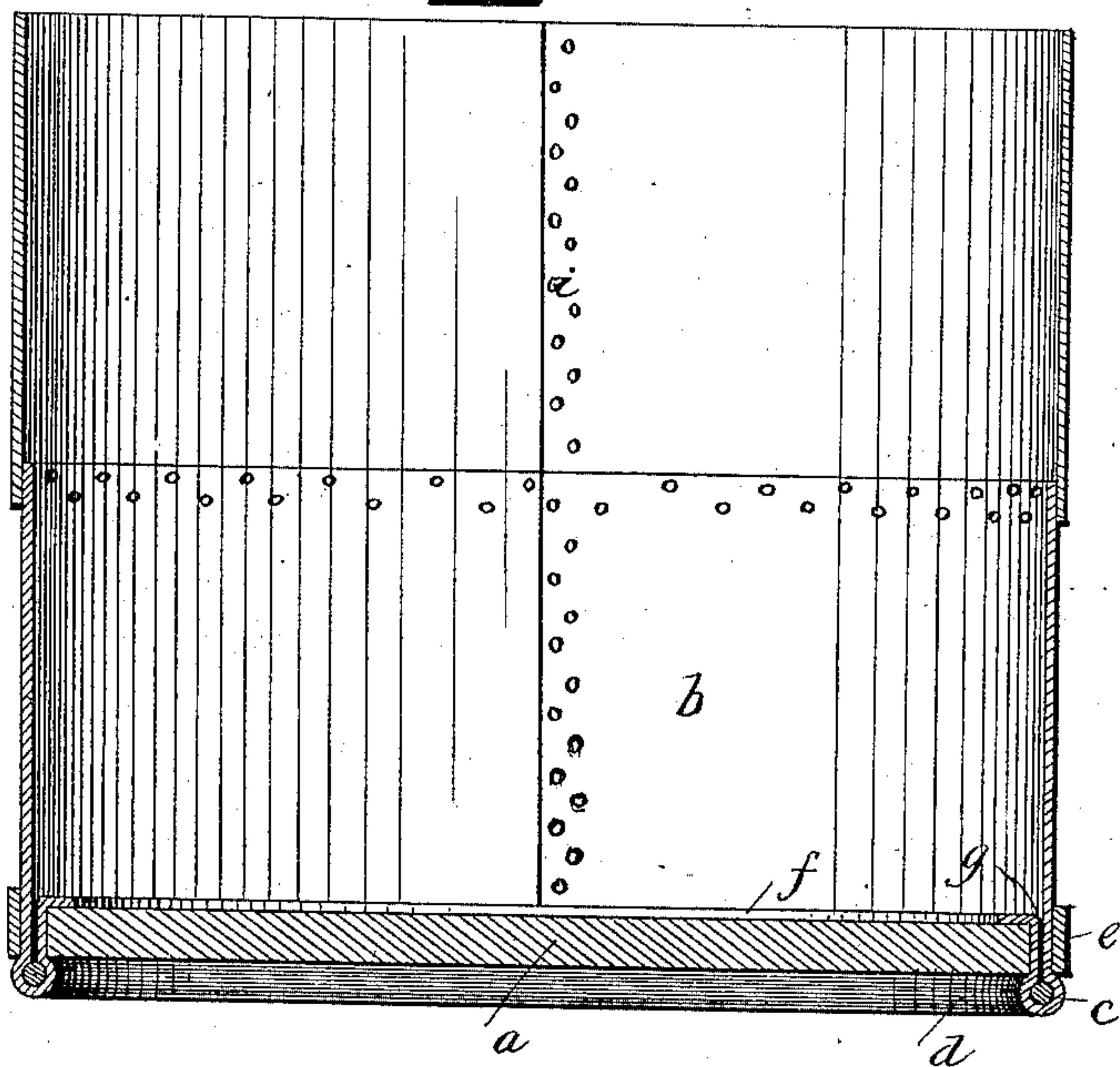


Fig. 2.

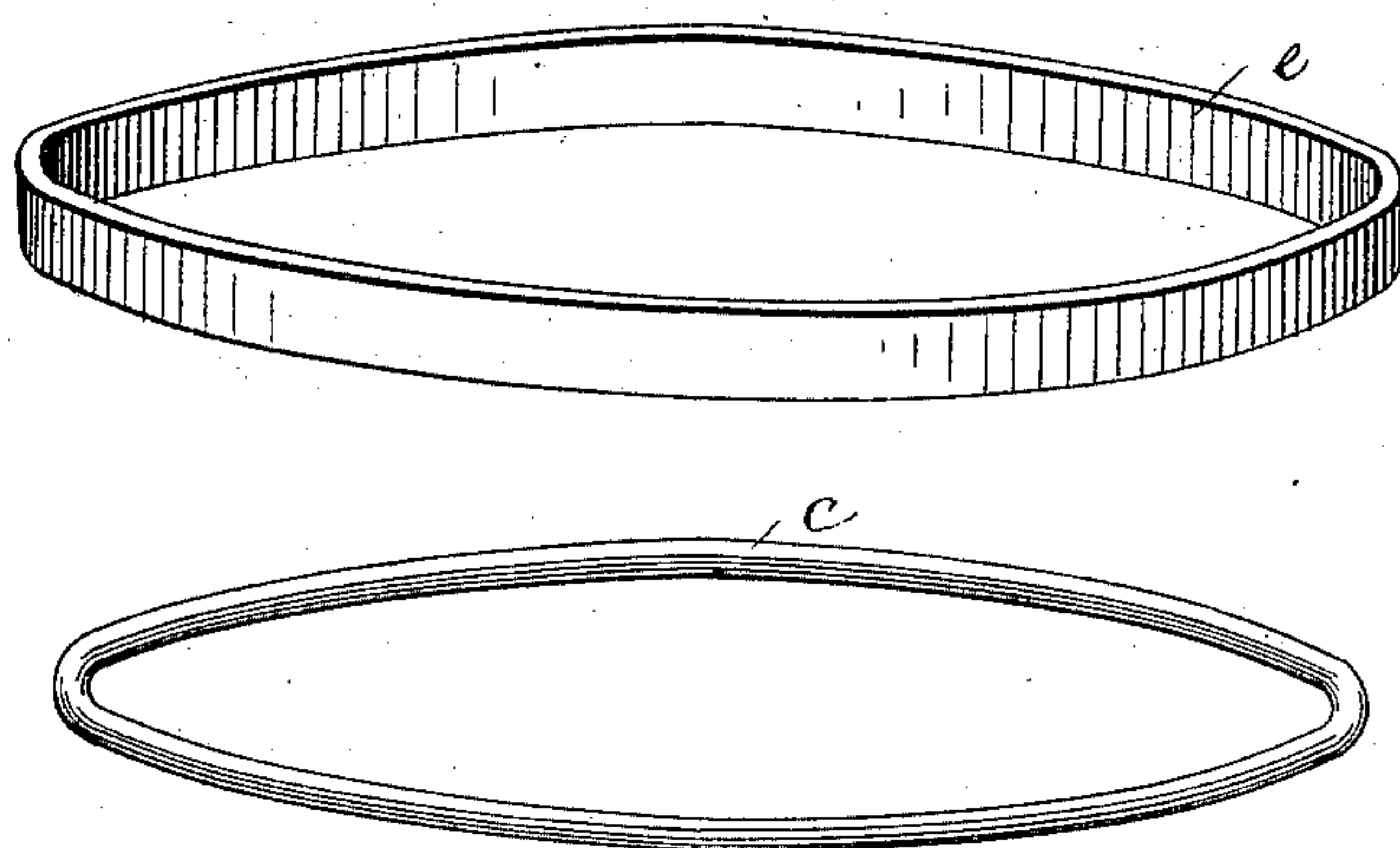


Fig. 3.

WITNESSES  
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# UNITED STATES PATENT OFFICE.

HARRY R. STEVENS, OF LOS ANGELES, CALIFORNIA.

## TANK FOR WINDMILLS.

SPECIFICATION forming part of Letters Patent No. 298,793, dated May 20, 1884.

Application filed March 10, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, HARRY R. STEVENS, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Tank for Windmills, of which the following is a specification, reference being had to the accompanying drawings.

I have found by experience in the use of water-tanks in connection with windmills throughout the southern and southwestern sections of the United States that the wooden tanks constructed of a wooden bottom, wooden staves, and iron hoops, and those constructed wholly of sheet metal, are not sufficiently durable to be practicable, owing to the fact that the wooden staves, when subjected to the action of the sun in the sections of country referred to, soon become shrunken and cause the tank to leak and fall to pieces, and the bend connecting the body and the bottom in the tanks constructed wholly of sheet metal is rapidly worn out and broken by the expansion and contraction of the metal at this point.

To obviate these defects is the object of my invention; and to these ends it consists in the construction and novel arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claim.

Figure 1 is a vertical sectional view of a water-tank embodying the improvements of my invention. Fig. 2 is a view of the encircling hoop, and Fig. 3 is a view of the strengthening-wire.

Referring by letter to the accompanying drawings, *a* designates the bottom of the tank, which is made of redwood or other suitable wood; and *b* is the body, made of galvanized sheet-iron, constructed of two or more widths of material riveted together at their lapped edges. The lower edge of the blank of which the body is formed is first bent over the strengthening-wire *c*, and the bent portion extended up along the inner face of the blank.

The vertical seam *i* is then formed by lapping the end edges of the united widths and securing them together by rivets, and the wooden bottom driven to place over the bead *d*, formed at the bottom of the body. The encircling hoop *e* is then driven to place directly opposite the edge of the bottom, and the projecting edge *f* of the upwardly-bent portion of the body is then bent downwardly and inwardly over the edge of the wooden bottom, and the space, *g*, left between the body-wall and the face of the upwardly-extending portion of the bend is calked with oakum, which forces the projection tightly against the edge of the wooden bottom, thereby securing it firmly in place.

A tank thus constructed is simple, cheap, and durable, and will not be injuriously affected by the expansion and contraction of the metal.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

The herein-described water-tank, consisting of the body of galvanized sheet-iron bent inwardly and upwardly over a strengthening-wire near its lower edge, the wooden bottom fitting tightly in place over the bead formed at the lower edge of the body of the tank, the encircling hoop fitting tightly over the body directly opposite the edge of the wooden bottom, the metal flange bent downwardly and inwardly over the wooden bottom, and the calking in the space between the body-wall and the vertical portion of the upwardly-bent flange, substantially as specified.

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

HARRY R. STEVENS.

Witnesses:

E. G. SIGGERS,  
THEO. MUNGEN,  
G. B. HARRIS.