No. 777,950. PATENTED DEC. 20, 1904.

I. B. HUENERGARDT.

STOCK TANK.

APPLICATION FILED JUNE 16, 1904.

NO MODEL.

*Fig. 1.*

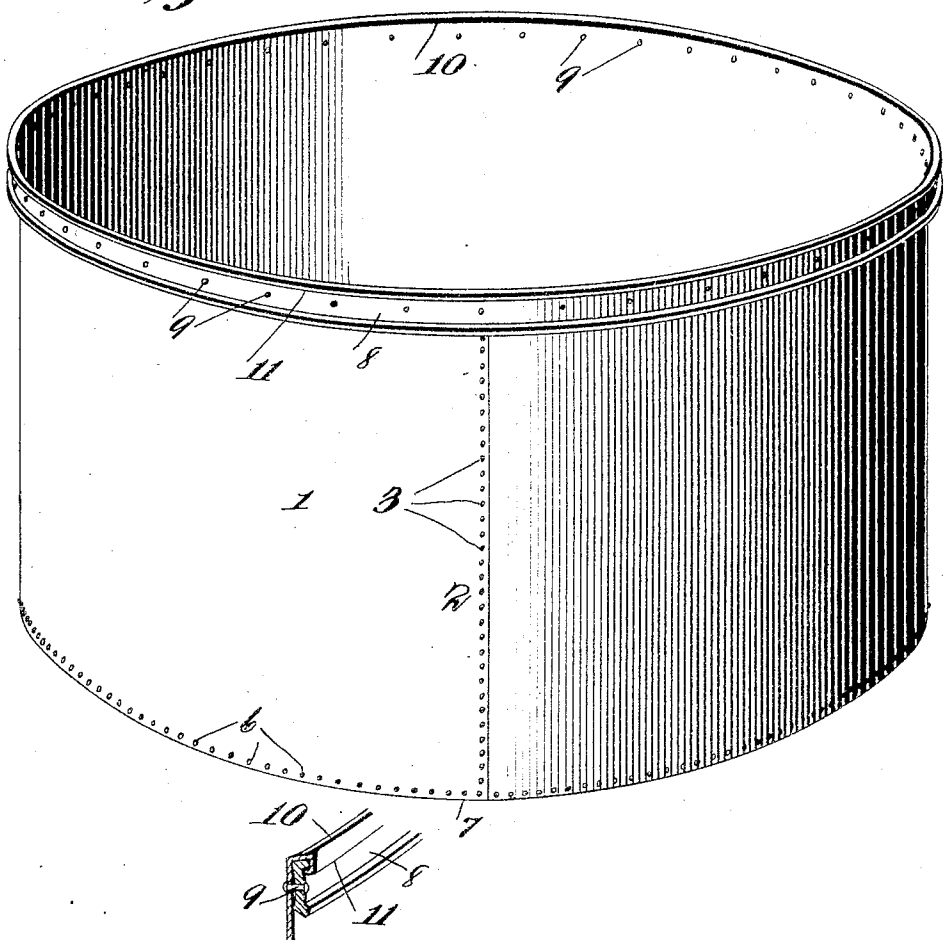
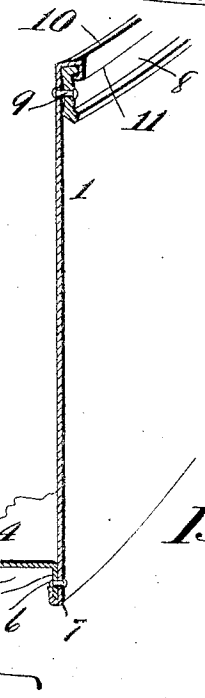



*Fig. 2.*




Witnesses

E. F. Stewart

H. S. Shepard

*Isaac B. Huenergardt,*

Inventor

by *C. A. Snow & Co*

Attorneys

No. 777,950. Patented December 20, 1904.

# UNITED STATES PATENT OFFICE.

ISAAC B. HUENERGARDT, OF HILLSBORO, KANSAS.

## STOCK-TANK.

SPECIFICATION forming part of Letters Patent No. 777,950, dated December 20, 1904.

Application filed June 16, 1904. Serial No. 212,833.

*To all whom it may concern:*

Be it known that I, ISAAC B. HUENERGARDT, a citizen of the United States, residing at Hillsboro, in the county of Marion and State of Kansas, have invented a new and useful Stock-Tank, of which the following is a specification.

This invention relates to tanks and similar receptacles, and has for its object to provide an improved metallic tank especially adapted for use as a stock-tank.

It is a particular object of the invention to provide an improved joint between the bottom and sides of the tank, so as to stiffen and strengthen the same and present a durable base-flange for the support of the tank.

Another object of the invention is to provide for stiffening and strengthening the upper edge of the tank and to obviate open joints wherein moisture, snow, ice, &c., might collect, and by obviating joints to prevent damage to the tank by rusting thereof.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of the tank embodying the features of the present invention. Fig. 2 is a vertical sectional perspective view thereof.

Like characters of reference designate corresponding parts in each and every figure of the drawings.

The body 1 of the present tank is formed of a single piece of sheet metal, preferably galvanized, which is bent into cylindrical form with its ends overlapped to form a vertical joint 2, said overlapped ends being connected by suitable fastenings, such as rivets 3. The bottom 4 of the tank is formed of sheet metal and has its peripheral edge bent downwardly to form a pendent rim 5, applied flat against the inner face of the lower end portion of the body and connected thereto by means of rivets 6. After the application of the rivets the lower edge portion of the body which projects below the rim 5 is crimped or bent, as at 7, to snugly embrace the lower end of the rim and thereby complete the composite foot-flange, which is exceedingly strong and durable and forms an effective support for the tank to maintain the bottom thereof above the floor or ground. It will here be noted that the foot-flange or base-flange is made up solely by the bottom of the tank and the body thereof, the desired stiffness being secured by crimping or bending the lower edge of the body upon the flange of the bottom and locating the rivets 6 in close relation, whereby the employment of an additional strengthening rim or band is obviated and all of the advantages thereof are obtained.

At the top of the tank is an external reinforcing band or rim 8 in the form of a channel-bar having its flanges directed outwardly and connected to the body by rivets 9, which pierce the band intermediate of its flanges. The upper edge of the sheet-metal body is bent over the top of the upper flange of the band, as indicated at 10, and then bent beneath the flange, as at 11, so as to snugly embrace the flange and present a continuous unbroken upper flanged edge upon the body of the tank. A channel-bar is preferred to an ordinary flat bar or band in view of its greater degree of stiffness and because it also presents a flange over which the body of the tank may be bent or crimped, so as to present a broad smooth upper edge which is free from joints. By obviating joints at the top edge of the tank there can be no accumulation thereon of moisture, snow, ice, &c., and therefore rusting of the upper edge of the tank is effectually obviated. Morever, as the upper edge of the tank is bent over and snugly embraces the top flange of the reinforcing channel band or rim 8 there are no projections liable to injure stock when drinking and eating from the tank. As the bent-over top edge of the body is extended beneath the top flange of the rim 8 into close proximity to the body of the band, there is no possibility of halter-straps or other portions of harness catching in the edge portion of the bent-over upper edge of the body and straight-

ening the same out into an objectionable projection. This objection is still further guarded against by bending the top edge of the tank-body without first cutting the same into sections, as is commonly practiced in beading or bending the top edges of metallic tanks.

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

1. A metallic tank or receptacle having a channel-band snugly embracing the upper portion thereof with its flanges directed outwardly, the top edge of the body of the receptacle being bent to snugly embrace the upper flange of the band with the outer edge of the bent-over portion lying adjacent the body of the band and in snug engagement with the under side of the flange.

2. A metallic tank or receptacle having a band snugly embracing the upper portion thereof, said band having an outwardly-directed peripheral flange located below the upper extremity of the body of the receptacle, and the upper edge portion of the body of the receptacle being bent to snugly embrace the flange with its extreme outer edge engaging the under side of the flange.

3. A metallic tank or receptacle having an angle-band embracing and riveted to the upper portion thereof with the upper edge of the receptacle bent over the outwardly-directed flange of the band, thence downwardly across the outer edge of said flange and thence inwardly across the lower side of the flange into engagement with the band.

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

ISAAC B. HUENERGARDT.

Witnesses:
J. C. FAST,
S. L. ARMSTRONG.