(No Model.)

C. E. IRWIN.

WATERING TANK.

No. 588,716. Patented Aug. 24, 1897.

Fig. 1.

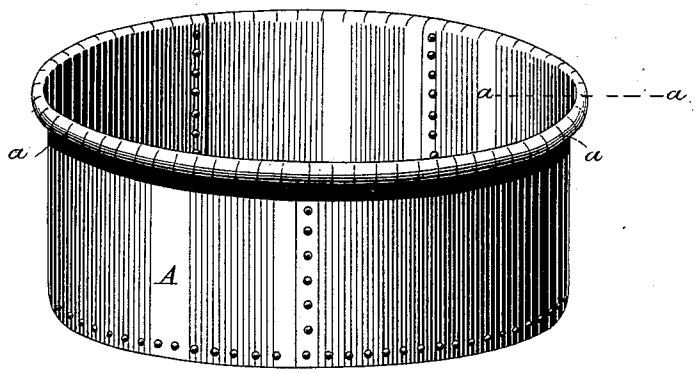


Fig. 2.
On line a a

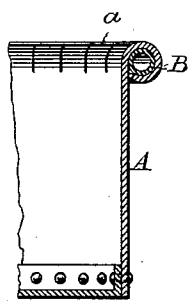


Fig. 4.

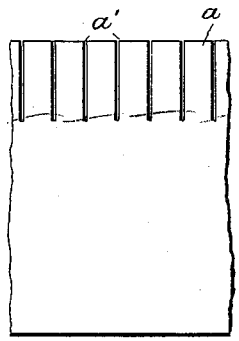
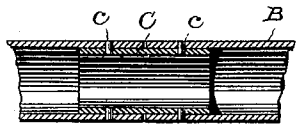


Fig. 3.



WITNESSES:

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WATERING-TANK.

SPECIFICATION forming part of Letters Patent No. 588,716, dated August 24, 1897.

Application filed February 23, 1897. Serial No. 624,620. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. IRWIN, of Peabody, county of Marion, and State of Kansas, have invented a new and useful Improvement in Watering-Tanks, of which the following is a specification.

The object of this invention is to produce a metallic tank or tub for use more particularly as a stock-watering tank which will combine extreme strength and durability with simplicity of construction.

With this end in view I construct the body of the tank of sheet metal and slit or incise the upper edge at intervals to form lips and secure a rim consisting of hollow pipe to the body by bending these lips outward around the rim.

The invention also consists in the details of construction and combination of parts hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved tank. Fig. 2 is a vertical sectional elevation on the line *a a*. Fig. 3 is a longitudinal section through the ends of the rim, showing the manner of securing them together. Fig. 4 is a view of a section of the metal forming the body portion, showing the edge slit preparatory to being bent around the rim.

Referring to the drawings, my improved tank consists of a body portion or tank A, formed of sheet metal, preferably galvanized iron, and a rim B, formed of iron pipe bent into circular form or other form, according to the desired form of the tank. The body portion is secured to the rim by means of lips *a*, formed at the upper edge of the body by incising or slitting the sheet at intervals, as at *a'*, Fig. 4, these lips, after the rim is set in place around the upper edge of the tank, being bent outward and downward and finally inward around the same, thus completely inclosing the rim and holding it firmly and rigidly in position, as shown in Fig. 2. By this construction the upper edge of the tank will present a smooth round surface and will be wholly free from any projections which would be likely to cause injury to the stock. Further, the construction insures the rigidity of the tank at its upper edge and will effectually withstand the rough usage to which such tanks are subjected in practice. Further, it will be noted that by reason of the extension of the lips beneath the rim and in the angle between the outer side of the body portion and the rim, as shown in Fig. 2, they will be protected and there will be little liability of bending them out of place.

The body portion of the tank may be formed of several sections of sheet metal, as shown in Fig. 1, suitably secured together, or it may be formed of a single sheet bent into cylindrical form, as may be desired, the essential requirement being, as regards my invention, that the upper edge of the body be slit to form lips and the latter bent around the rim to hold it in place.

I propose to connect the ends of the pipe to form a smooth unobstructed joint by means of a filling-piece C in the form of a section of pipe or a plug, which is inserted in the meeting ends of the pipe, as shown in Fig. 3, and firmly secured to the same by means of rivets *c* or other suitable fastening devices.

My improved tank is simple in construction, of extreme strength and durability, is neat in appearance, and can be employed for watering stock without risk of injury to the same.

Having thus described my invention, what I claim is—

1. As a new article of manufacture the improved tank comprising a sheet-metal body having its upper edge slit to form lips and a rim of iron pipe bent into form with its ends connected together and surrounding the body with the lips bent outward around and inclosing said rim.

2. As a new article of manufacture, the improved tank comprising a sheet-metal body provided with lips, a rim consisting of iron pipe bent into form with its ends secured to an interior filling-piece in the pipe, said rim surrounding the sheet-metal body with the lips bent outward around and inclosing the rim.

In testimony whereof I hereunto set my hand, this 8th day of February, 1897, in the presence of two attesting witnesses.

CHARLES E. IRWIN.

Witnesses:
S. S. FINDLEY,
H. E. IRWIN.