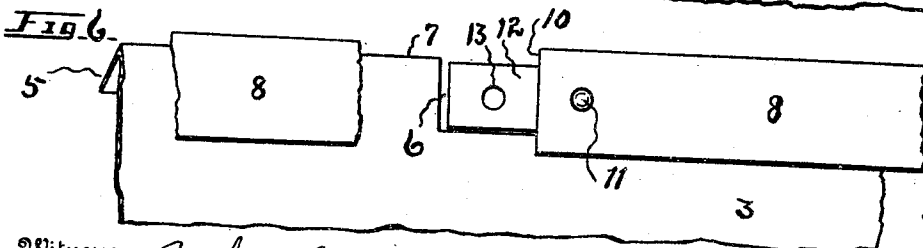
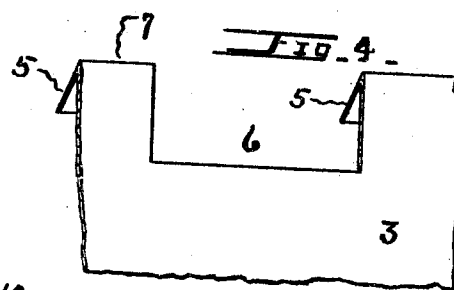
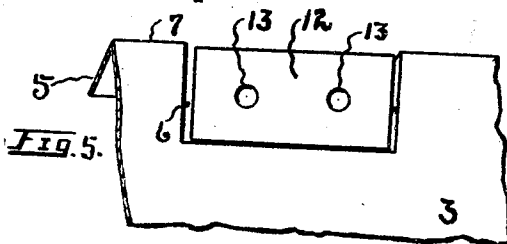
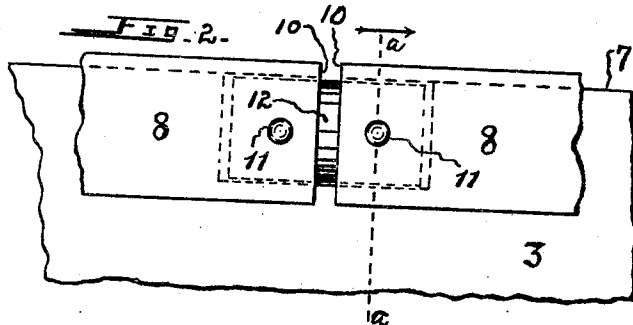
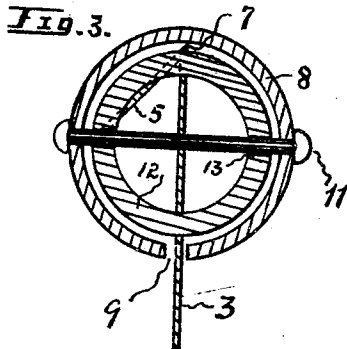
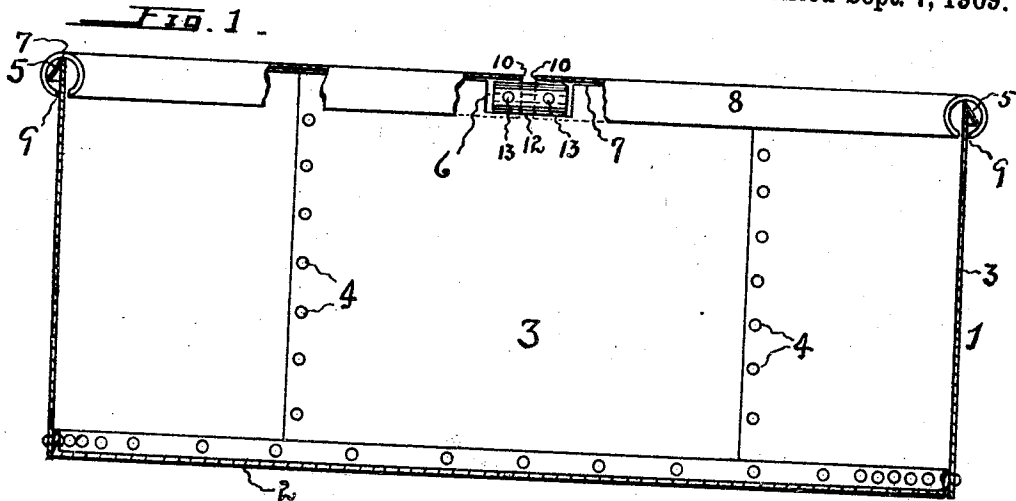


A. N. EATON.
WATERING TANK.
APPLICATION FILED APR. 1, 1909.

933,066.

Patented Sept. 7, 1909.



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UNITED STATES PATENT OFFICE.

ALBERT N. EATON, OF OMAHA, NEBRASKA.

WATERING-TANK.

933,066.

Specification of Letters Patent.

Patented Sept. 7, 1909.

Application filed April 1, 1909. Serial No. 487,256.

To all whom it may concern:

Be it known that I, ALBERT N. EATON, a citizen of the United States, residing at Omaha, in the county of Douglas and State of Nebraska, have invented certain new and useful Improvements in Watering-Tanks, of which the following is a specification.

This invention relates to improvements in watering tanks of the class generally constructed of sheet metal and used for watering stock; a tank of this class is usually cylindrical in form, and provided with a slotted tube mounted upon its upper edge, to prevent injury to stock while in use.

The object of the invention is to provide metallic stock-watering tanks so constructed that they will be strong and durable, and, will comprise few parts so that their manufacture will not be attended with an undue amount of expense for labor or material.

The invention has especial reference to the employment of an inclined flange formed upon the upper terminal of the vertical tank wall for use as a holding means for the slotted tube.

With these and other objects in view, as hereinafter explained, the invention presents a novel combination and arrangement of parts as described herein and claimed, and as illustrated in the drawing, 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 drawing Figure 1 is a vertical sectional view of a watering tank constructed in accordance with my invention, a part of the slotted tubular housing or rim being broken away. Fig. 2 is a vertical side view, showing a part of the tank wall and tubular rim, and showing the secured terminals of the rim. Fig. 3 is a transverse sectional view on line *a a* of Fig. 2. Figs. 4 and 5 are perspective views showing portions of the recessed tank wall, the recess being formed in the wall to receive therein the filling piece. Fig. 6 is a perspective view showing a part of the tank wall and parts of the tubular rim, the filling piece being seated in the recess of the tank wall and encircled by one end of the tubular, slotted rim.

Referring now to the drawing for a more particular description, numeral 1 indicates a container or stock watering tank having an imperforate bottom 2 with a vertical wall 3

secured thereon, the manner of securing the wall and bottom not being material in the present instance. Wall 3 is constructed, preferably, of metallic sheets held together by rivets 4, and the tank may be cylindrical or oblong in form. After wall 3 has been prepared from sheets and riveted as described, the inclined flange 5 is formed thereon near the upper edge. This flange may be and preferably is formed by passing the assembled wall sheets through a crimping machine, but if not an integral part of the wall it may be suitably secured, rigidly thereon. The angular recess 6 is formed in wall 3 by incising flange 5 and a part of the wall, so that the recess opens upon the upper edge 7 of said wall.

The tube 8 may have any desired diameter so that it is adequate to inclose the projecting flange 5, and it is provided with the longitudinal slot 9 having a width sufficient to receive therein the riveted wall plates, and in assembling the parts tube 8 is mounted upon the upper terminal of wall 3 by manually sliding it thereon, the longitudinal edges of the tube which define slot 9 traversing wall 3 below flange 5, and after the tube is mounted it is held by said flange 5. The tube forms a housing or casing for the terminal of the wall to prevent injury to stock when the tank is in use, and the tube thereafter can not be removed from its seating except by sliding it longitudinally of wall 3, since it is held by flange 5.

The terminals 10 of the slotted tube 8 are secured by means of rivets 11 which pass through said tube and through the filling piece 12. Filler 12 is preferably a short section of curved pipe somewhat less in diameter than the bore of tube 8; it may, of course be a solid body instead of a tube, and has apertures or rivet openings 13 formed therein. The filling piece is seated in recess 6 and when assembling the parts, the terminals 10 of tube 8 are seated adjacent to each other and encircle this pipe; rivets 11 are then used and operate to firmly secure the parts together. It will be understood that filler 12 is mounted within and at the terminals of tube 8 before the ends of wall 3 have been riveted. The filler is manually inserted in recess 6 at the time the tube is mounted upon flange 5; wall 3 is then moved longitudinally until the filler is deposited at the terminals of pipe 8, ready to be secured by rivets 11.

Flange 5 is bent angularly from edge 7 of the wall at substantially 45 degrees therefrom. It requires a very small amount of material, and may be readily formed, and since its terminal contacts with the inner surface of the slotted tube, the latter is securely held in the desired position.

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

1. In combination, an article for the purpose described, comprising a container having a longitudinally curved upright wall with an angularly projecting flange upon a part of its upper terminal and formed with a recess opening upon said terminal; a filling piece seated in said recess; a longitudinally slotted tubular casing supported upon the terminal of said upright wall and having end portions seated inclosingly upon the filling piece, the longitudinal edges of said slotted tubular casing being seated upon the outer and inner sides of said upright wall, inwardly of said angularly projecting flange.

2. In combination, an article for the purpose described, comprising a container having a longitudinally curved upright wall with an angularly projecting flange upon a part of its upper terminal and formed with a recess opening upon said terminal; a transversely apertured filling piece seated in said recess; a longitudinally slotted tubular casing supported upon the terminal of said upright wall and having end portions seated inclosingly upon the filling piece, the longitudinal edges of said slotted tubular casing being seated upon the outer and inner sides of said upright wall, inwardly of said angularly projecting flange; fastening devices within the apertures of the filling piece and connected with the tubular casing.

In testimony whereof I have affixed my signature in presence of two witnesses.

ALBERT N. EATON.

Witnesses:

ARTHUR H. STURGES,
HIRAM A. STURGES.