

(No Model.)

T. C. & H. W. HARRY.
STOCK TROUGH.

No. 531,184.

Patented Dec. 18, 1894.

Fig. 1.

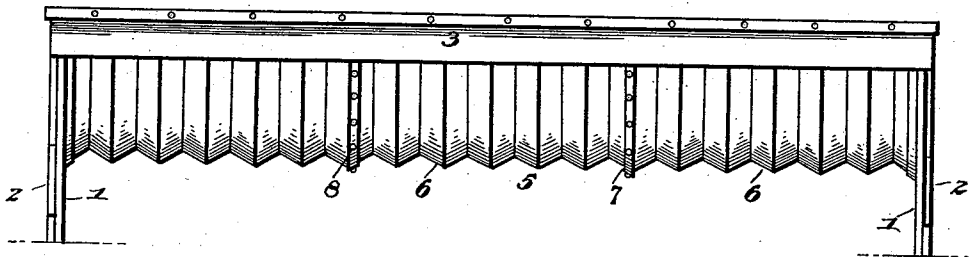


Fig. 2.

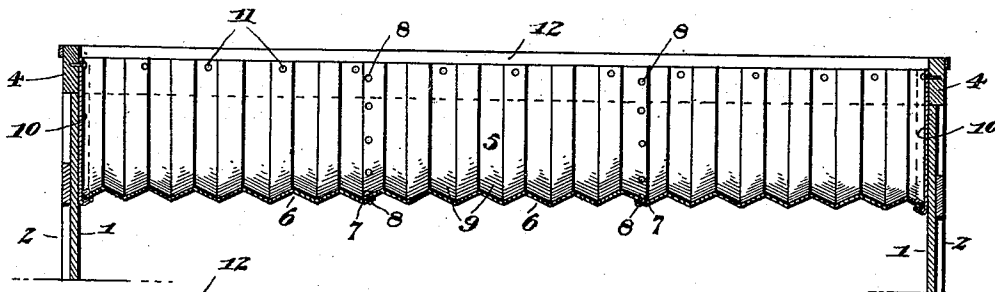
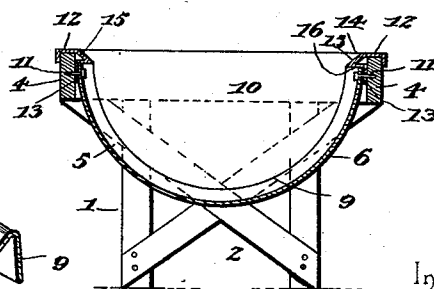


Fig. 3.



Inventors

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C. Snow & Co.

Witnesses

B. S. Ober,

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UNITED STATES PATENT OFFICE.

THOMAS C. HARRY AND HUGH W. HARRY, OF DALLAS, TEXAS.

STOCK-TROUGH.

SPECIFICATION forming part of Letters Patent No. 531,184, dated December 18, 1894.

Application filed June 14, 1894. Serial No. 514,582. (No model.)

To all whom it may concern:

Be it known, that we, THOMAS C. HARRY and HUGH W. HARRY, citizens of the United States, residing at Dallas, in the county of Dallas and State of Texas, have invented a new and useful Stock-Trough, of which the following is a specification.

This invention relates to stock-troughs; and it has for its object to provide a simple and durable device of this character which may advantageously be employed for the watering and feeding of stock, while at the same time providing a trough easily cleaned and one which has no wooden parts exposed to the action of the water, and also offers no projecting parts upon which the stock can be injured.

With these and other objects in view which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter more fully described, illustrated and claimed.

In the accompanying drawings:—Figure 1 is a side elevation of the stock-trough constructed in accordance with this invention. Fig. 2 is a central vertical longitudinal sectional view thereof. Fig. 3 is a transverse sectional view of the trough. Fig. 4 is an enlarged detail sectional view showing more clearly the connection of the opposite sides of the trough body and the side cap plates to the side rails of the supporting frame.

Referring to the accompanying drawings, 1 designates a supporting frame or stand comprising the opposite end leg frames 2, connected at their upper ends by the opposite parallel side rails 3, and the end rails 4, and said frame forms a strong support or stand for the semi-cylindrical trough body 5, arranged therein. The semi-cylindrical trough body is preferably made of a number of galvanized iron sections 6, overlapping each other at their meeting edges as at 7, and secured together by the rivets 8, to complete a semi-cylindrical body extending from end to end of the frame 1, to form a trough of the proper length for the work required of it. The sectional semi-cylindrical trough body 5, is provided from end to end thereof with the transverse corrugations 9, that serve to strengthen and retain the shape of the body and thereby render the same extremely dura-

ble for either watering or feeding purposes, and the opposite ends of the trough body are inclosed by the semi-circular end plates 10, that are also made of galvanized iron so as not to be susceptible to rust, and are securely seamed onto the opposite end edges of the semi-cylindrical body.

The opposite upper side edges of the semi-cylindrical trough body are firmly secured to the inner sides of the side rails 3, by means of the nails 11, or other suitable fastening devices, and the upper and inner sides of said side rails 3, have fitted thereon the side cap plates 12, extending from end to end thereof. The side cap plates 12, are also made of galvanized iron like the trough body and the ends thereof so as not to be susceptible to rust, and are provided with the inner side extensions 13, that face the inner sides of the rails 3, to points below the upper opposite edges of the trough body, so that the water that may be within the trough cannot be splashed against the inner sides of the side rails and thereby cause the same to decay. The said side cap plates are further provided at their inner sides above the upper edges of the trough body with the inwardly projecting ledges 14, having upper inclined sides 15 extending over the corrugated portion of the trough body to permit the stock to have easy access to the trough, and an under shouldered portion 16, that projects over the upper edges of the trough body and acts in the capacity of dams to hold back the water in the event of being splashed about, and insure the complete protection of the wooden supporting frame from decay by being continually soaked with water as in other troughs.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention, and at this point attention is called to the fact that while galvanized iron has been specifically described as the preferable sheet metal of which the trough is made, still it will be understood that any other suitable sheet metal suitable for the purpose, may be employed at the option of the manufacturer.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

In a stock trough, the combination of a supporting frame having opposite side rails, a semi-cylindrical transversely corrugated sheet metal trough body secured at its opposite side edges to said side rails, end plates 5 seamed onto the ends of said trough body, and metal side cap plates fitted on the upper edges of said side rails and provided with inwardly projected ledges having upper inclined sides extending over the corrugated 10 portion and under shouldered portions projected over the upper edges of said trough body, said side cap plates being further pro-

vided with inner side extensions facing the inner sides of the side rails below the upper 15 edges of the trough body, substantially as set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

THOMAS C. HARRY.
HUGH W. HARRY.

Witnesses:

J. B. ADAM,
C. A. ROBERTSON.