A. W. WENDORF & O. F. SAMPE.

FEED BOX.

APPLICATION FILED JAN. 22, 1912.

1,037,093. Patented Aug. 27, 1912.

Fig. 1.

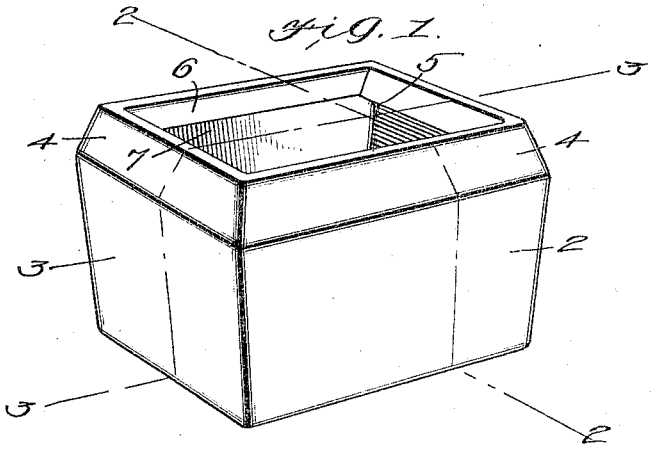


Fig. 2.

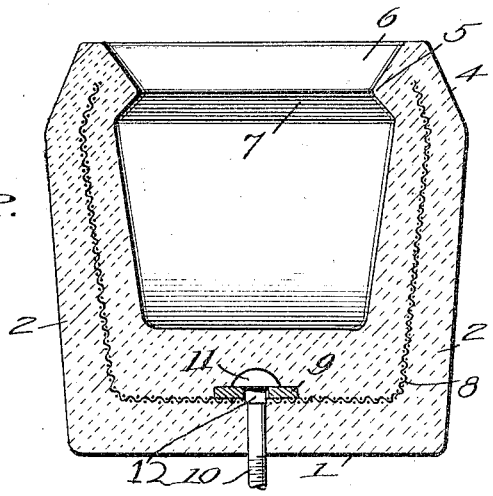
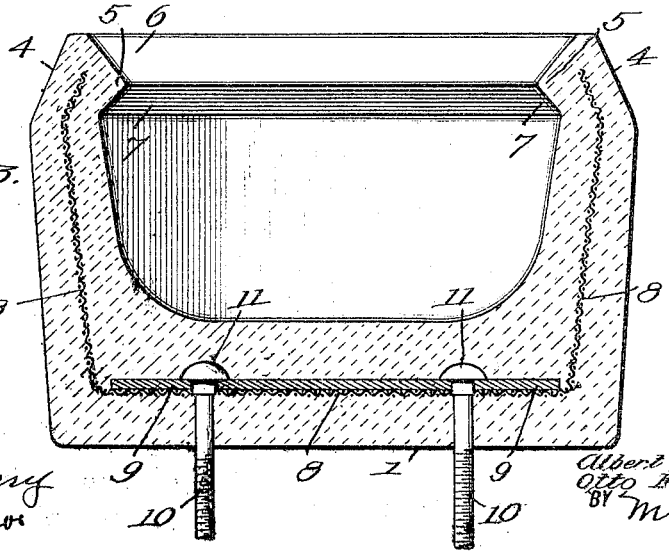


Fig. 3.



WITNESSES

H. C. Barry

C. E. Trainor

INVENTORS

Albert W. Wendorf

Otto F. Sampe

BY Munn & Co.

ATTORNEYS

UNITED STATES PATENT OFFICE.

ALBERT W. WENDORF AND OTTO F. SAMPE, OF CHILI, WISCONSIN.

FEED-BOX.

1,037,093. Specification of Letters Patent. Patented Aug. 27, 1912.

Application filed January 22, 1912. Serial No. 672,602.

To all whom it may concern:

Be it known that we, ALBERT W. WENDORF and OTTO F. SAMPE, citizens of the United States, and residents of Chili, in the county of Clark and State of Wisconsin, have invented a new and Improved Feed-Box, of which the following is a specification.

Our invention is an improvement in feed boxes, and has for its object the provision of a simple, inexpensive long lived box of plastic material, so constructed as to prevent wasting of feed while permitting the entire contents to be got at.

In the drawings, Figure 1 is a perspective view of a trough constructed in accordance with the invention; and Figs. 2 and 3 are sections on the lines 2—2 and 3—3 of Fig. 1.

In the present embodiment of the invention, the box is composed of plastic material, as for instance cement or concrete and comprises a bottom 1, side walls 2, and end walls 3, all integral and continuous with each other. The bottom 1 is of greater thickness than the side or end walls, and the said side and end walls are of greater thickness adjacent to the bottom, and gradually taper or decrease in thickness toward the top. At the top, each of the said walls is inclined inwardly on its outer face, as indicated at 4, and a rib 5 is formed on the inner face of the trough, the said rib having its walls or sides 6 and 7 meeting at an angle of approximately 90°. The rib 5 is continuous around the mouth of the trough, and a reinforcement 8 of suitable material is arranged at approximately the center of each wall and of the bottom. The said reinforcement in the present instance is of wire gauze, and extends to near the top or upper edge of the side and end walls.

The improved box may be of any desired or suitable dimensions, and a plate 9 of metal is arranged in the bottom, just above the reinforcing material 8, and resting thereon. The said plate extends from the reinforcement at one end to that at the other and is provided with openings for permitting the passage of screw bolts 10. The heads 11 of the said bolts rest on the upper face of plate 9, and they are of sufficient length to extend below the lower face of the bottom, to engage a suitable support to hold the box in the position desired.

Each bolt is preferably provided with a polygonal portion 12, adjacent to the head, and the plate 11 is preferably provided with an opening fitting the polygonal portion, so that the bolts cannot turn. The plates and bolts are of course inserted during the process of molding the box.

In use the rib will prevent wasting of the feed in the box by the stock, and as the box is of plastic material, the animals cannot gnaw or injure the same. This is of advantage since the health of the stock is preserved and cribbing is prevented.

We claim:—

A feed box of plastic material, comprising a bottom and integral side and end walls, the bottom being of greater thickness than the side and end walls and the said side and end walls decreasing in thickness toward their upper edges, the said upper edges being inclined inwardly, and a continuous inwardly extending rib being formed on the inner surface of the box at the top thereof, and means embedded in the material of the bottom for permitting the box to be secured to a fixed support.

ALBERT W. WENDORF.
OTTO F. SAMPE.

Witnesses:
HERMAN NORTH,
WM. F. NORTH.