No. 896,619. PATENTED AUG. 18, 1908.

L. M. BURKE.

FEED BAG.

APPLICATION FILED FEB. 15, 1908.

Fig. 1.

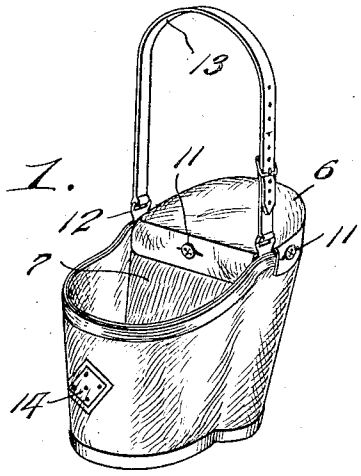


Fig. 3.

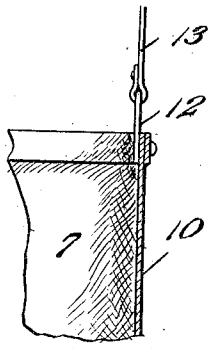


Fig. 2.

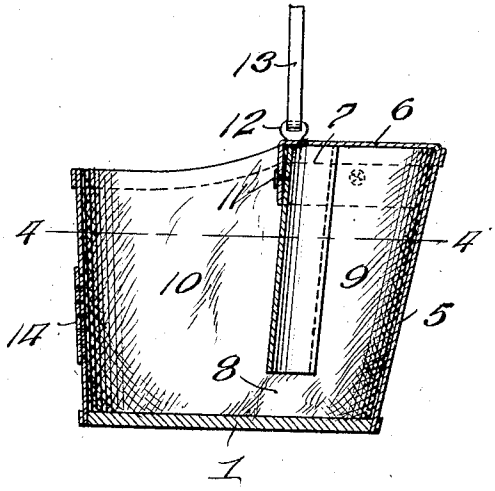
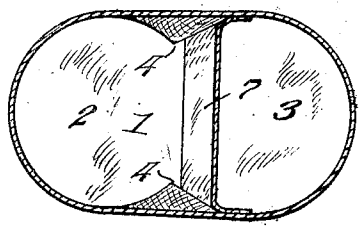


Fig. 4.



Witnesses

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LAWRENCE M. BURKE, OF LAY, COLORADO.

FEED-BAG.

No. 896,619. Specification of Letters Patent. Patented Aug. 18, 1908.

Application filed February 15, 1908. Serial No. 416,156.

To all whom it may concern:

Be it known that I, LAWRENCE M. BURKE, a citizen of the United States, residing at Lay, in the county of Routt and State of Colorado, have invented new and useful Improvements in Feed-Bags, of which the following is a specification.

The invention relates to an improvement in feed bags of the type designed for use in feeding animals and for temporary suspension from the head of the animal during the feeding operation.

The main object of the present invention is the provision of a feed bag so constructed as to provide a storage compartment in which the food may be initially placed, and a feeding compartment accessible by the animal for feeding, the construction providing for the convenient transfer of food from the storage compartment to the feeding compartment as necessitated by the consumption of the feed in the latter.

The invention will be described in the following specification, reference being had particularly to the accompanying drawings, in which:—

Figure 1 is a perspective view of a feed bag constructed in accordance with my invention. Fig. 2 is a longitudinal vertical section of the same. Fig. 3 is a broken sectional view illustrating the connection of the supporting strap. Fig. 4 is a section on line 4—4 of Fig. 2.

Referring particularly to the accompanying drawings, my improved feed bag comprises an inflexible main or bottom section 1, preferably of wood, which is approximately of the size desired for the completed article.

The bottom board is of peculiar outline in plan, whereby one of the essential objects of the feed bag is gained, said board having rounded or circular ends 2 and 3, the peripheral edges of which meet on a line transverse the board and about centrally of the length of the same, the transverse dimensions of the board at the point of juncture of the peripheral edges of the ends being materially less than the diameter of either end. By this construction the bottom board is at its central point 4 of materially less width than at a point in advance and in rear of the central point, as shown in Fig. 4. To the peripheral edge of the bottom board and throughout said edge is secured the lower edge of an upright wall 5, forming the vertical wall of the bag. The wall 5 is preferably of flexible material, as canvas or the like, and in the rear portion coincident with the circular edge of the part 3 of the board, the wall is extended in the form of a closing flap 6, for a purpose which will presently appear. The upper edge of the wall 5 is preferably of slightly greater lineal length than the lower edge, so that the bag is slightly flaring or enlarged toward the upper end.

In alinement with the reduced portion 4 of the board 1 I secure a flexible partition 7, preferably of canvas or other material, the edges of which are stitched or otherwise secured to the upright wall 5, as shown, the partition being of less length than the height of said wall to provide a space 8 below the lower edge of the partition. The partition divides the space within the upright wall 5 into a rear or storage chamber 9 and into a forward or feeding chamber 10, the space 8 below the partition providing for communication between the chambers. The closing flap 6, which is formed integral with the upright wall 5, is of a size and shape to close the opening to the storage chamber 9, the edges of said flap being adapted, by any convenient means, as buttons or the like, to be secured to the wall 5 and to the partition 7, as at 11. At the juncture of the partition with the wall 5 I secure to said wall strap loops 12, which are designed to be engaged by a supporting strap 13. This strap is adapted to be passed over the head of the animal when the bag is in use, and may be of an inelastic material, as leather, or of suitable elastic material, as rubber, the strap in the latter instance serving to draw the bag upward as the food is consumed, as will be evident.

In use the food is initially placed in the compartment 9, finding its way through the communicating passage 8 into the chamber 10 for consumption, it being understood that the compartment 10 is entirely open at the top to afford access to the head of the animal in feeding. The relatively forward portion of the wall 5 is preferably formed with a series of ventilating openings 14, protected in any usual or desired manner, whereby proper breathing of the animal and the ventilation of the feed bag is provided for.

In the present construction it is to be particularly noted that the greatest transverse dimensions of the respective compartments are remotely disposed relative to each other, that of the feeding compartment being arranged in advance of the partition and that of the storage compartment in rear of the

partition. By this means the maximum storage capacity is afforded while providing a comparatively narrow connecting passage between the compartments, the disposition of the greatest width of the feed compartment, in the manner described, serving to afford the greatest space for the animal's head at the point where freedom for the feeding movement of the jaws and lips is required. Furthermore, the supporting means for the bag is arranged immediately above the narrow or approximately central portion of the bottom board. By this arrangement the animal in pressing its lips onto the bottom board in the feeding compartment in reaching the food will tend to tilt the feed bag in a manner to elevate the board to cause the food to readily gravitate from the storage compartment to the feeding compartment. Furthermore, the comparatively restricted passage between the compartments and the relatively larger space in the feeding compartment in advance of said passage, provides for spreading the food delivered through the passage over the enlarged space and thereby avoid an undue depth of food in the feeding compartment at any one time.

The feed bag described is of simple construction, all parts other than the bottom board being flexible to permit the ready collapse of the bag for storage in small compass when not desired for use, the relative construction and arrangement of parts described serving most efficiently for the purpose desired.

Having thus described the invention what is claimed as new, is:—

A feed bag comprising a bottom board, a flexible wall rising therefrom, and a partition dividing the space within the wall into a feed chamber and a storage chamber, the bottom board being of greatest width at points in advance and in rear of that portion immediately underlying the partition, whereby the maximum transverse dimension of the respective chambers is spaced from the partition and remote from each other.

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

LAWRENCE M. BURKE

Witnesses:
THOMAS EMERSON,
MARY J. EMERSON.