No. 828,559. PATENTED AUG. 14, 1906.

F. J. LUEBBERT.

FEED BAG.

APPLICATION FILED APR. 21, 1906.

Fig. 1.

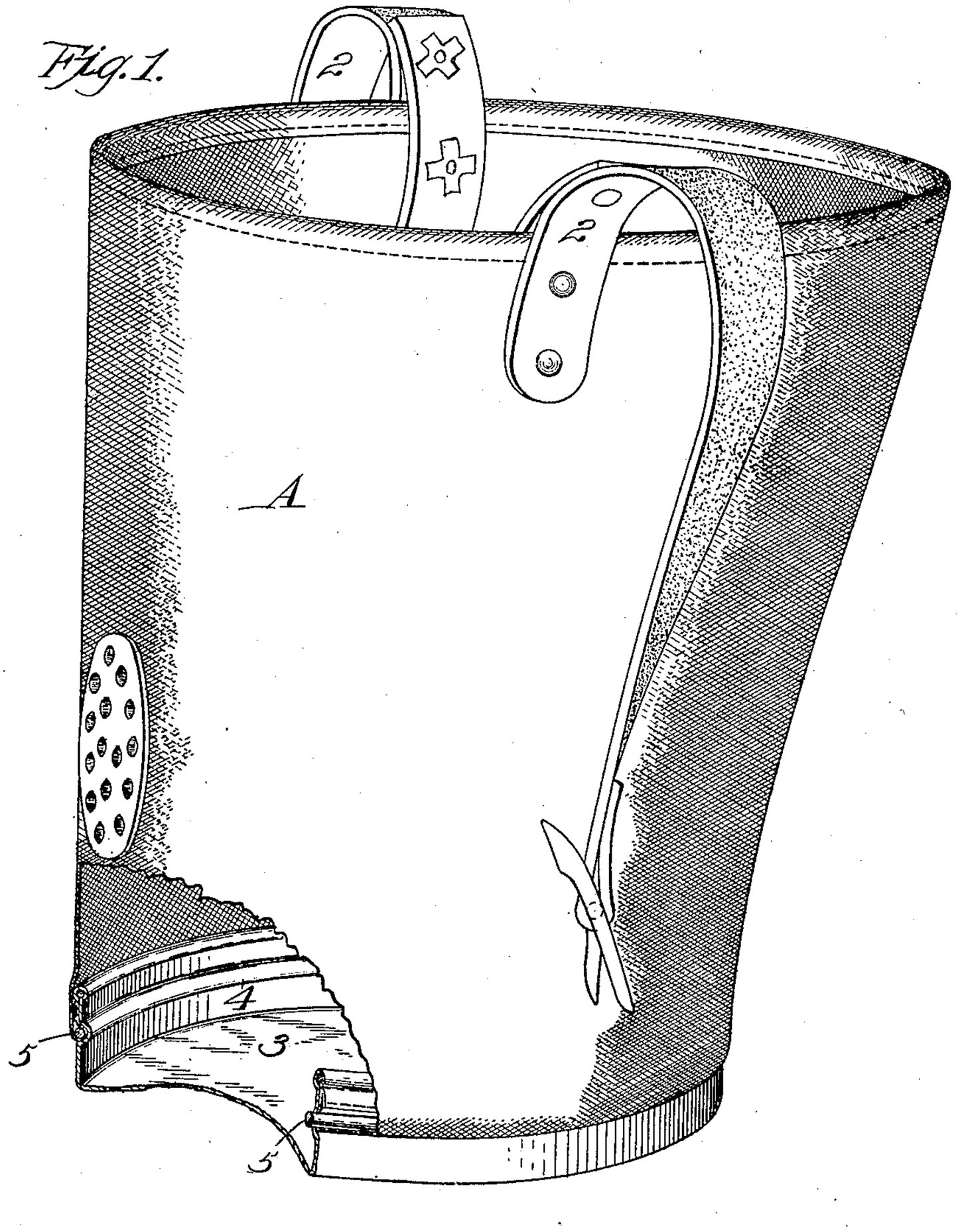
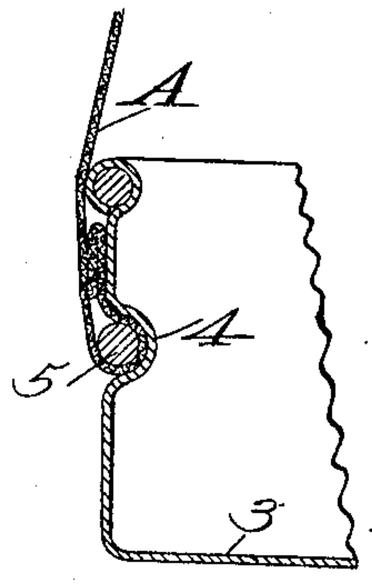


Fig. 2.



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UNITED STATES PATENT OFFICE.

FREDERICK J. LUEBBERT, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR TO AMES & HARRIS, OF SAN FRANCISCO, CALIFORNIA, A CORPORATION OF CALIFORNIA.

FEED-BAG.

No. 828,559. Specification of Letters Patent. Patented Aug. 14, 1906.

Application filed April 21, 1906. Serial No. 313,076.

To all whom it may concern:

Be it known that I, FREDERICK J. LUEBBERT, a citizen of Germany, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Feed-Bags, of which the following is a specification.

My invention relates to feed-bags such as are commonly employed for holding grain and which are adapted to be supported on the head of an animal to permit him to eat out of it. Most of the bags are now constructed with a leather bottom, which has a tendency to slime up and become very much fouled. Such a bag is not easily cleaned, and it is not long before the stitches rot out or the rivets pull out, rendering the bag useless.

The object of the present invention is to provide a cheap simple durable sanitary bag in which I employ galvanized iron or other non-rusting metal bottom and attach this bottom to the bag by suitable non-rusting securing means.

The invention consists of the parts and the construction and the combination of parts, as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved bag, partly broken away. Fig. 2 is an enlarged detail view showing the attachment of the fabric to the metal pan.

A represents a canvas tube of ordinary construction adapted to be slipped over the nose of an animal and having suitable means, as the straps 2, for securing the bag to the head of the animal.

The invention resides in the metal pan 3, forming the bottom of the bag, and in the peculiar means for securing this bottom to the bag-body. The bottom is made in the shape of a pan or dish, preferably of galvanized iron or other suitable non-rusting metal, and the rim of the pan is made with a circumferential groove 4 of sufficient depth to form a suitable seat for a fold of the canvas and the clamping wire ring. The diameter of the lower end of the tube A is such as just to allow the pan to fit snug in the tube.

In the manufacture of the bag the tube is first turned inside out and the pan inserted bottom up into the canvas tube. The wire 5, which is preferably of copper, is wrapped one or more times around the outside of the canvas to press the same into the groove 4, the ends of the wire then being permanently united. The tube is then turned to bring the pan upright in the bag, and the bag is then ready for use. With this construction there are no rivets or stitching to pull out, there are no parts to rust, and it is a simple matter to clean the bag.

The pan is usually made about one and one-half inches deep; and in packing or shipping the collapsible portion of the bag is easily compressed into the rigid metal portion to take up a minimum amount of space.

The union of the fabric body of the bag with the metal bottom forms a water-tight joint. By reversing the tube after securing the wire ring in place brings the latter within the fold of the canvas, conceals it from view, and gives a neat appearance to the bag, with no rough edges of the canvas showing. The end of the tube next to the ring may be hemmed to prevent any danger of the canvas pulling out from beneath the ring.

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

1. A feed-bag comprising a tubular body portion of fabric and a metal bottom, said bottom having a peripheral rim fitting snug within the end of the tubular body and having a circumferential groove, and a binding means engaging the fabric and pressing it into said groove to hold the bottom in place and form a water-tight joint.

2. A feed-bag having a dish-shaped, non-rusting metal bottom, and a tubular fabric body, said bottom having a surrounding rim fitting within the tube and provided with a circumferential groove, and a wire clamping-ring engaging the fabric in said groove.

3. A feed-bag comprising a tubular body of canvas or like fabric, and a metal bottom, said bottom being pan-shaped and having a rim with a circumferential groove, said rim fitting inside an end of the tube, and a wire ring engaged with the canvas to press the latter into the groove, said tube having an inwardly-folded lower portion and said ring being located in said fold and concealed from view.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

FREDERICK J. LUEBBERT

Witnesses:

P. W. LEWIS,

C. W. PHILLIPS.