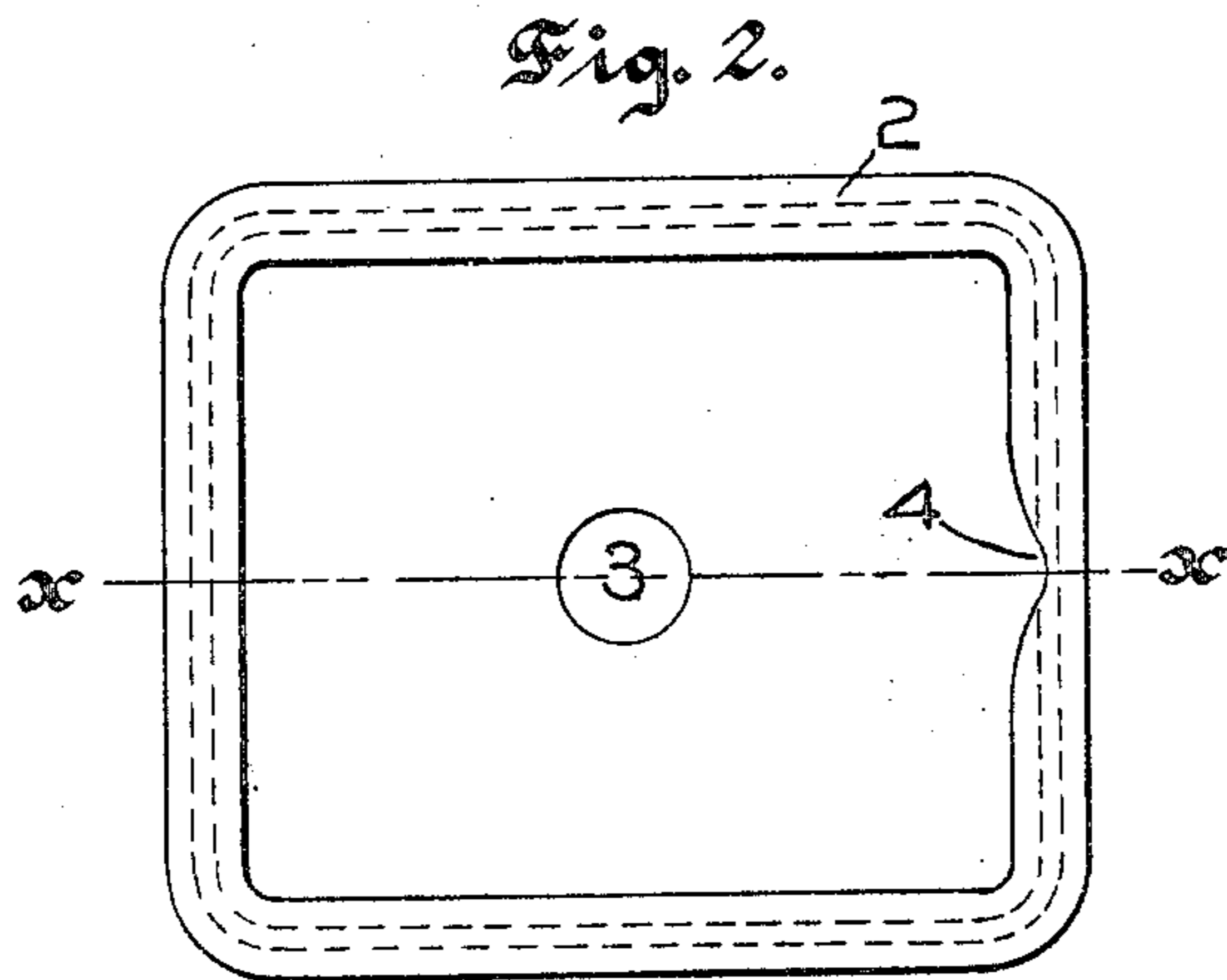
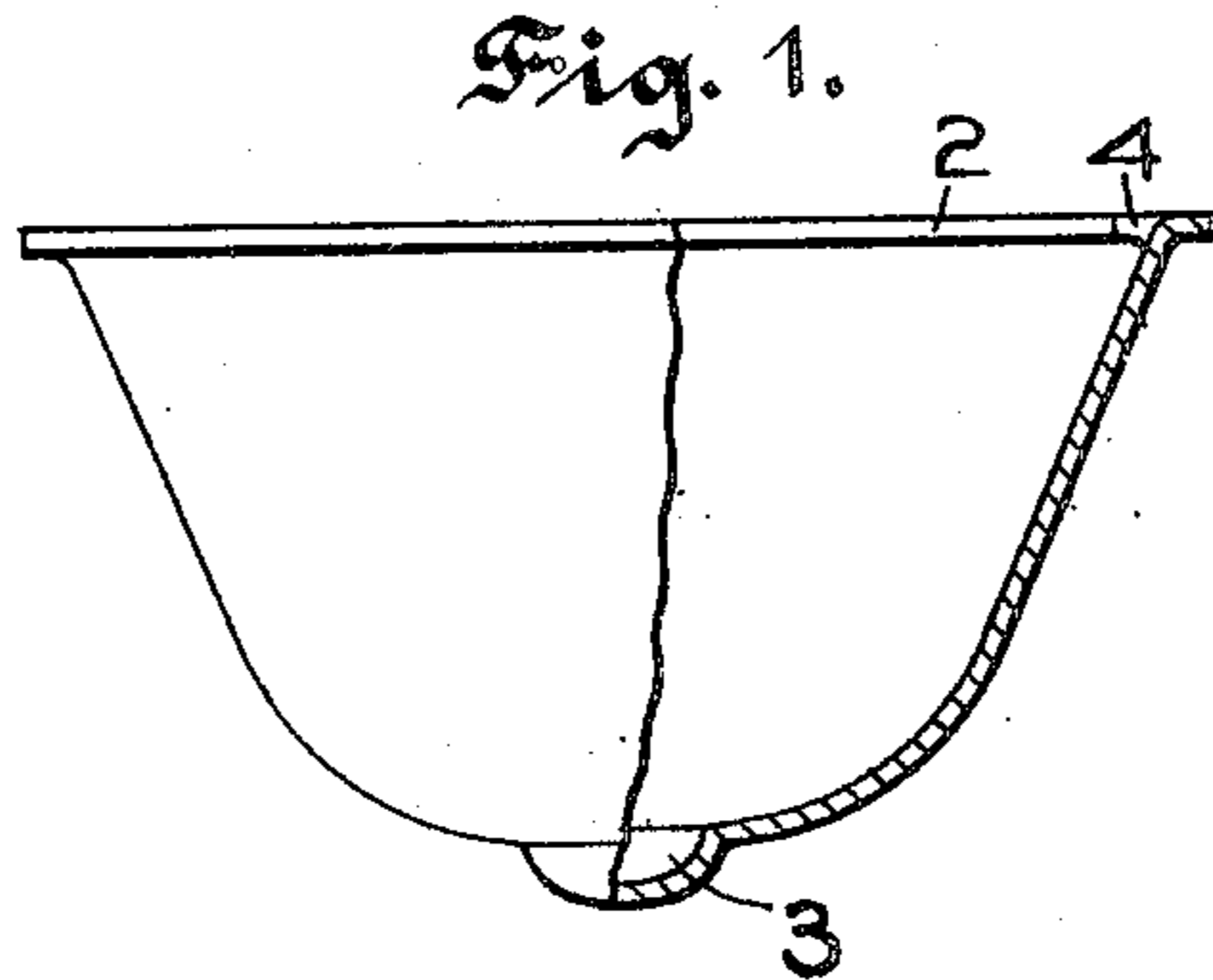


No. 802,976.

PATENTED OCT. 31, 1905.

J. J. DANNER.  
FEED BOX.

APPLICATION FILED MAR. 6, 1905.



Witnesses,  
W. H. Palmer.  
Emily F. Otis

Inventor,  
John J. Danner,  
by *Lothrop Johnson*  
his Attorneys.

# UNITED STATES PATENT OFFICE.

JOHN J. DANNER, OF ST. PAUL, MINNESOTA.

## FEED-BOX.

No. 802,976.

Specification of Letters Patent.

Patented Oct. 31, 1905.

Application filed March 6, 1905. Serial No. 248,530.

*To all whom it may concern:*

Be it known that I, JOHN J. DANNER, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Feed-Boxes, of which the following is a specification.

My invention relates to improvements in feed-boxes for live stock, its object being particularly to provide an improved form of salt-well in connection with the feed-box which will be accessible to the animal after the box has been emptied of feed and to provide improvements in the construction of the box to facilitate the washing out of the box and well.

To this end my invention consists in the features of construction and combination herein-after particularly described and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 is a side elevation of my improved feed-box, partly in section, on line *x x* of Fig. 2; and Fig. 2 is a plan view of the box.

As shown in the drawings, the box is cast in one piece with a surrounding rim 2. The rim 2 constitutes an inwardly as well as an outwardly extending flange upon the upper edge of the box. The body of the box, as shown, is curved and tapers inwardly toward its bottom, being formed at the lowest point of the bottom with a downwardly-depending salt-well 3. The well 3, depending as it does from the lowest point of the bottom, will hold the salt out of reach of the animal until all the feed in the box has been eaten, and at the same time the agitation of the feed will allow a slight mixing of the salt therewith. As the animal licks the salt in the well it will become hardened, and this will result in only enough

of the salt being used to serve as a relish and digestant.

In order to allow the feed-box and well to be thoroughly cleaned out, I provide the inwardly-flanged part of the rim 2 with a cut-away portion or opening 4. This opening is designed to be cut into the rim to the depth of the side wall, so that in washing out the feed-box the residue in the box and well will not lodge under the rim, but will pass out through the opening 4.

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

1. A feed-box having a downwardly and inwardly curved lower end, and a downwardly-depending salt-receiving well at the lowest point of the bottom of said box.

2. A feed-box consisting of an integrally-formed curved downwardly-tapered body, and a downwardly-depending salt-receiving well at the lowest point of said bottom.

3. A feed-box consisting of a single piece having a curved downwardly-tapered body, and a surrounding inwardly-extending rim formed with an opening to the depth of the feed-box wall, and a downwardly-depending salt-well at the lowest point of the box-bottom.

4. A feed-box having a curved bottom and inwardly-flanged top, the top flange being formed with an opening at one side of the box, and a salt-well depending from said curved bottom.

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

JOHN J. DANNER.

Witnesses:

H. S. JOHNSON,  
EMILY F. OTIS.