

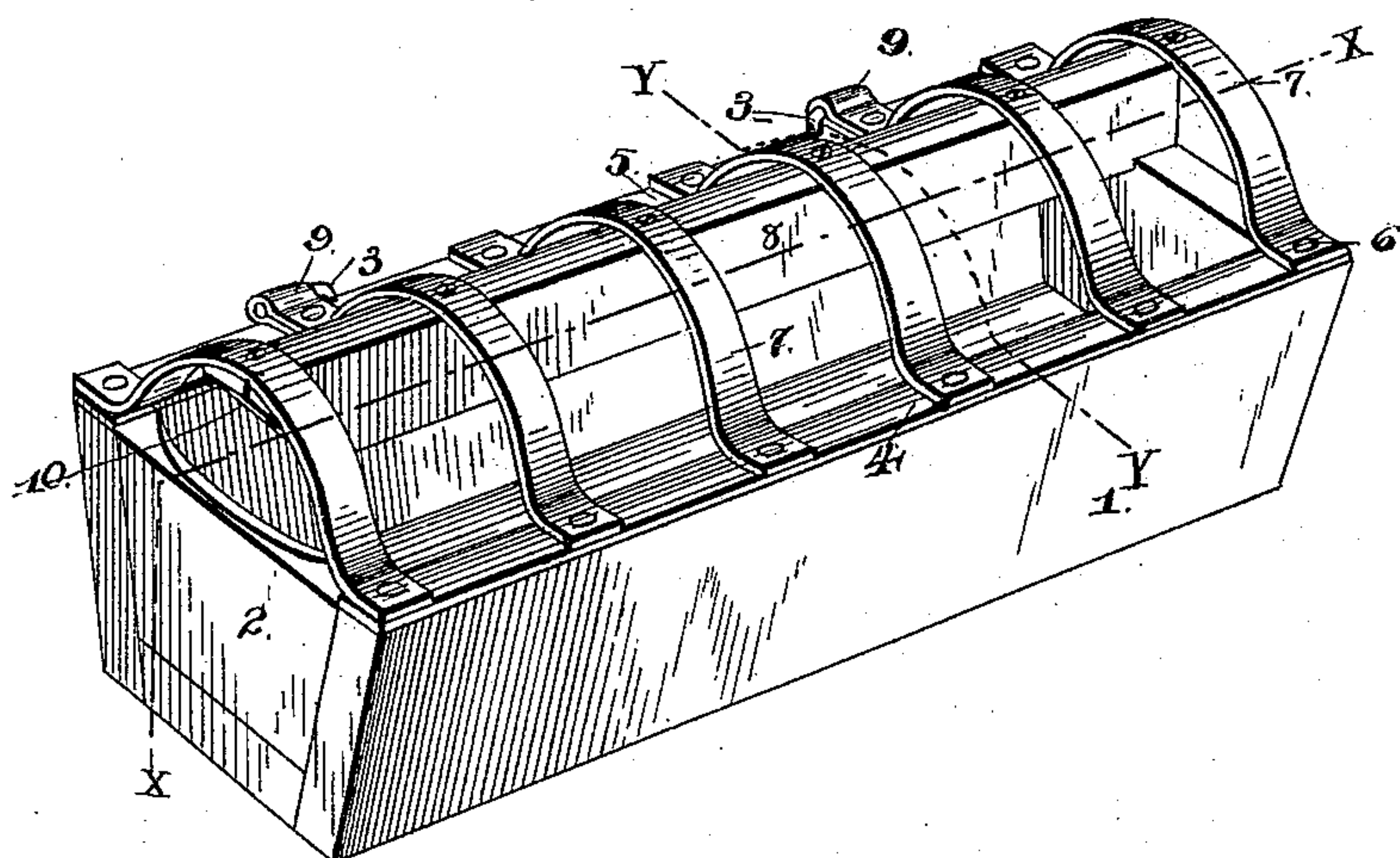
(No Model.)

J. C. F. HURST.  
HOG TROUGH.

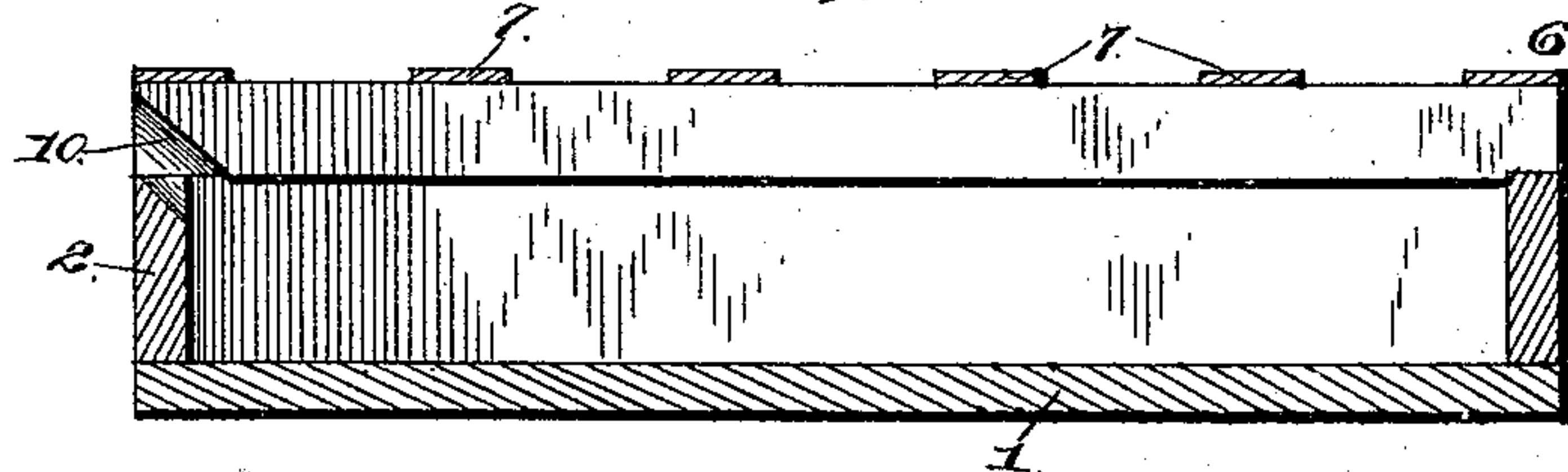
No. 487,836.

Patented Dec. 13, 1892.

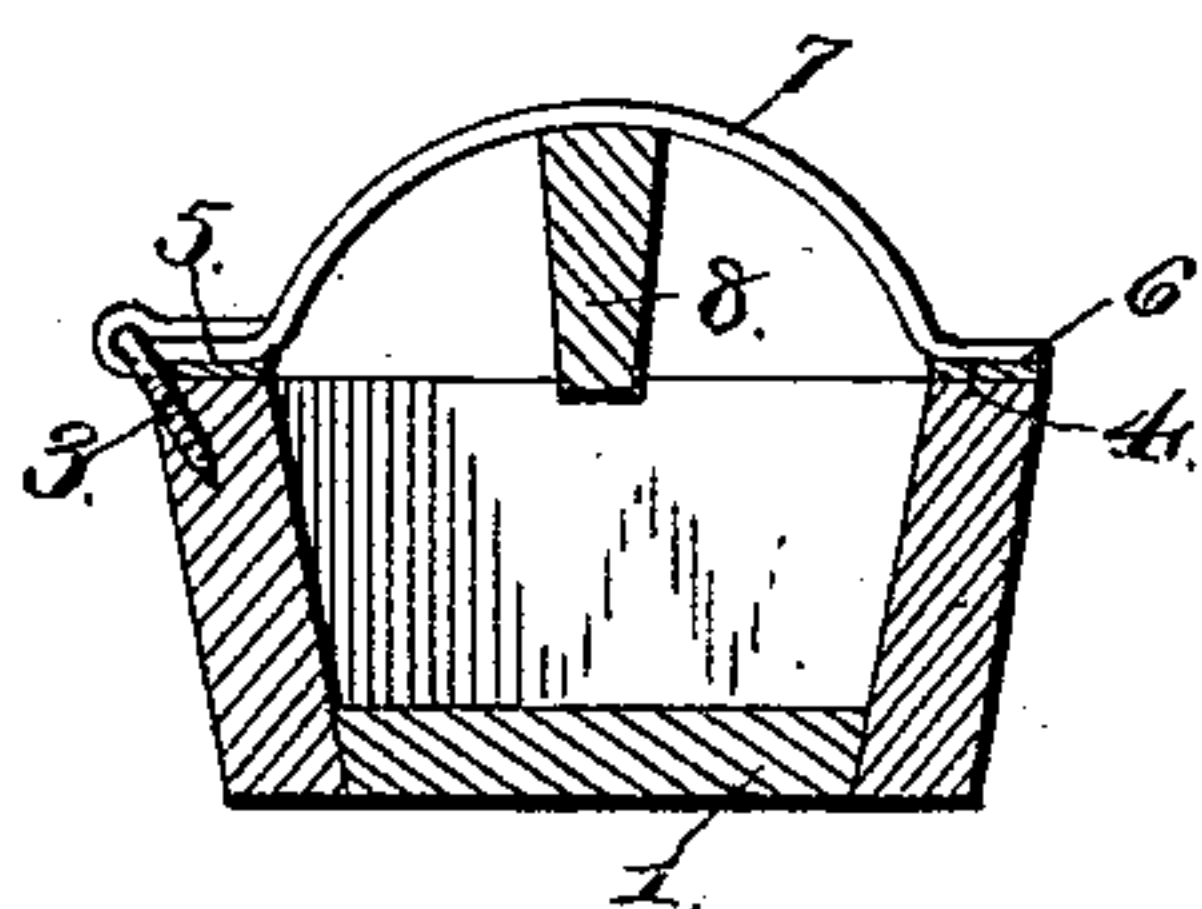
*Fig. 1.*



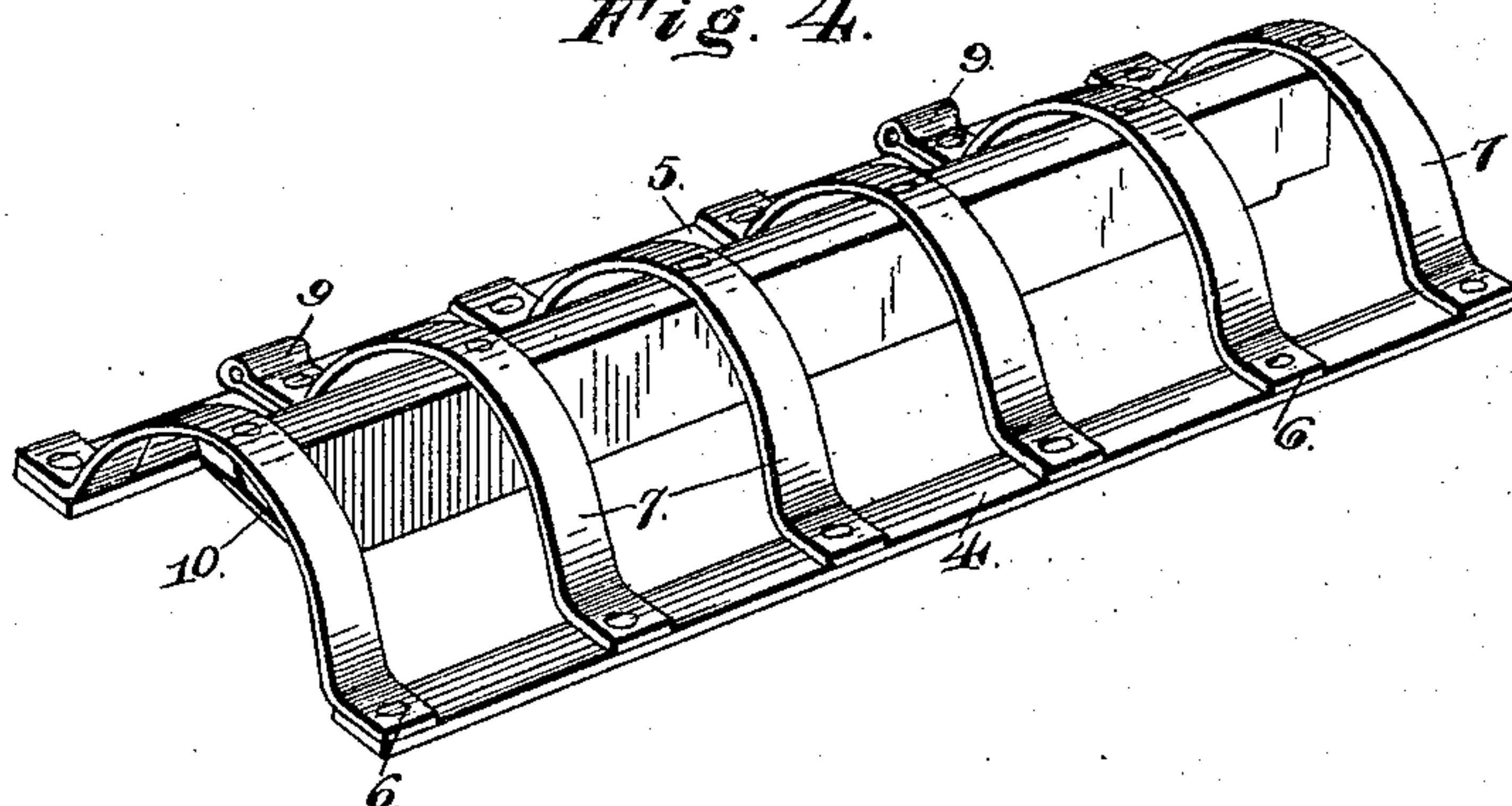
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses  
Chas. A. Ford.

Inventor  
John C. F. Hurst.

By his Attorneys,  
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# UNITED STATES PATENT OFFICE.

JOHN C. F. HURST, OF HOLTON, KANSAS.

## HOG-TROUGH.

SPECIFICATION forming part of Letters Patent No. 487,836, dated December 13, 1892.

Application filed March 31, 1892. Serial No. 427,275. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN C. F. HURST, a citizen of the United States, residing at Holton, in the county of Jackson and State of Kansas, have invented a new and useful Hog-Trough, of which the following is a specification.

This invention relates to certain new and useful improvements in hog-troughs; and it consists of the construction and arrangement of the parts thereof, as will be more fully hereinafter described and claimed.

The object of this invention is to simplify the construction of devices of this character and to render the same strong and durable and convenient in use by the provision of a hinged cover therefor.

In the drawings, Figure 1 is a perspective view of the improved trough, showing the cover closed down. Fig. 2 is a longitudinal vertical section of the same on the line  $x x$ , Fig. 1. Fig. 3 is a transverse vertical section on the line  $y y$ , Fig. 1. Fig. 4 is a detail view in perspective of the cover removed.

Similar numerals of reference indicate corresponding parts in the several figures of the drawings.

Referring to the drawings, the numeral 1 designates a trough constructed of preferred material and having one end thereof, as at 2, cut away or beveled to provide means of easy ingress to one end thereof for the purpose of pouring swill or other material thereinto. The rear side of the said trough has metallic pintles 3 secured thereto and bent to project in opposite directions or toward the ends of the said trough.

The cover consists of two longitudinally-arranged wrought-metal strips 4 and 5, respectively, located at the front and back and connected by transversely-arranged cross-strips 6, which are arched, as at 7, and have a stay-bar or strip 8 located against the under opposite portions thereof and securely fastened to each of the same. This stay-bar 8 forms a division for the cover and projects downward a sufficient distance to prevent the interference of the snout of one animal with that of another situated opposite. It will be observed that this stay-bar provides compartments or feed-openings on each side of

the cover and prevents the hogs from getting their feet into the trough, or of fighting and interfering with each other. The metallic strips 4 and 5 are made sufficiently broad to cover the edges of the trough, and thereby prevent wear upon the same. The cover is also provided with loops or eyes 9, which are adapted to engage the pintles 3, and thereby form a hinge by means of which the said cover may be raised conveniently and the trough cleansed when desired. That portion of the bar 8 which is adjacent to the cut-away or beveled end 2 of the trough is in like manner cut away or beveled, as at 10, to assist in forming ingress-openings at this end of the trough. By this means a convenient structure entire is provided, which is simple in use, readily cleaned, and extremely durable in its nature. The opposite end of the bar 8 is formed with a shoulder to fit over the upper edge of the adjacent end of the trough in order to obviate longitudinal movement of the cover and avoid consequent strain on the pintles thereof.

The advantages of a device of this character in the form presented are manifold, and, owing to the reduced cost of manufacture, it is inexpensive. The pintles 3 are of course made removable, in order that they may be readily and easily placed in position or detached from securement in applying or removing the lid or cover.

It is obviously apparent that many changes in the form and construction of the parts might be made and substituted for those shown and described without in the least departing from the nature or spirit of the invention. In making such changes no material change would be necessary, but would lie within the skill of the mechanic or manufacturer.

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

In a hog-trough, the combination of a trough proper having the inner upper surface of one end thereof beveled or cut away at an angle extending toward the bottom of the trough, a cover connected to the rear side of the trough by pintles and consisting of a series of transverse arched metallic strips connected by longitudinal metallic bars at front and rear, which cover the top edges of the front and rear sides

of the trough proper, and a longitudinally-disposed stay-bar secured to the under sides of the central portions of said cross-strips and having one end cut-away or beveled and located over the said cut-away or beveled portion of the end of the trough to form an ingress-opening and the opposite end recessed and shouldered to fit over the upper edge of the adjacent end of the trough to prevent lon-

gitudinal movement of the said cover, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN C. F. HURST.

Witnesses:

J. L. WILLIAMS,  
L. V. BRYAN.