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J. HEROLD.  
STOCK TROUGH.

APPLICATION FILED JULY 13, 1914.

1,154,768.

Patented Sept. 28, 1915.

2 SHEETS—SHEET 1.

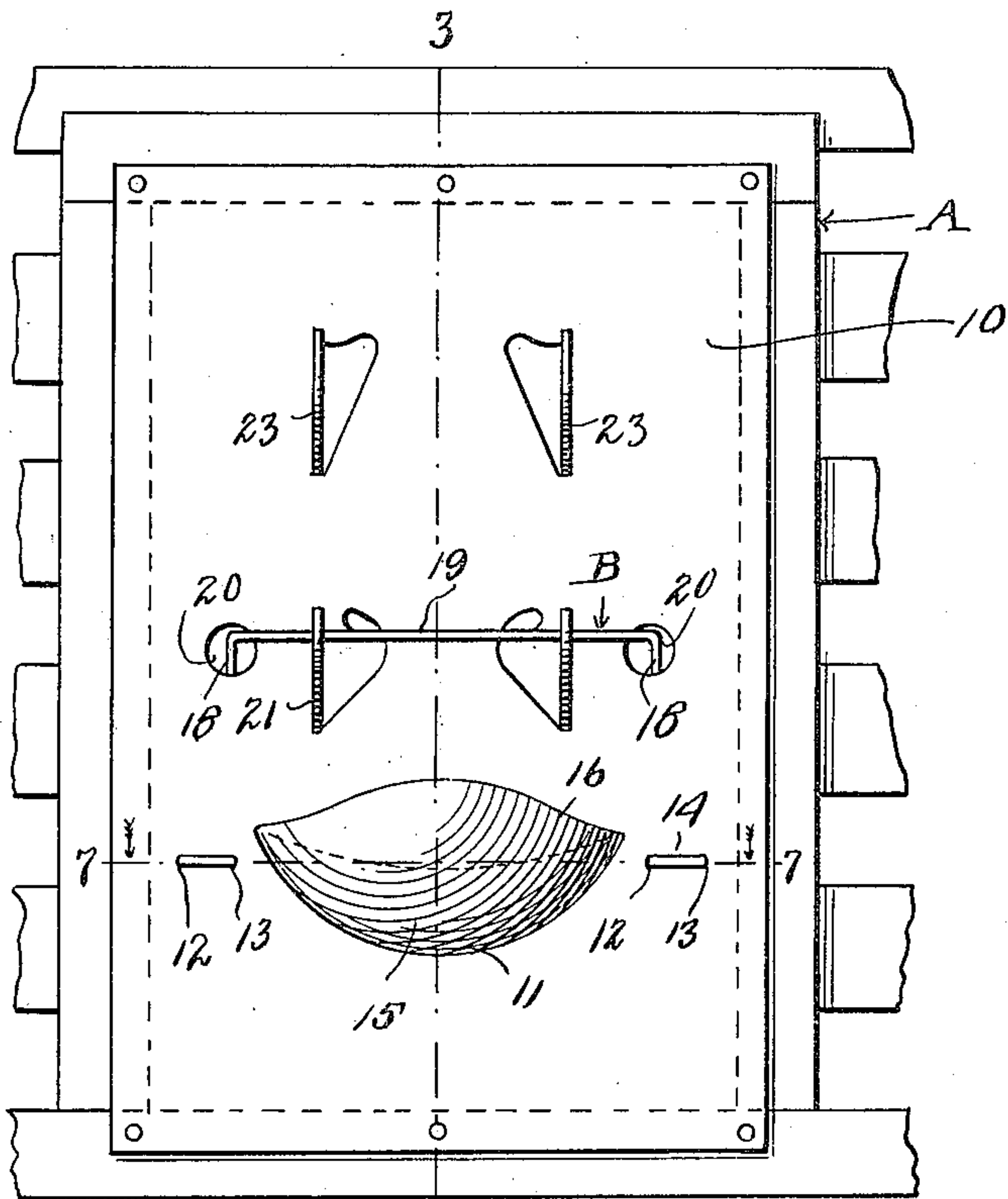


Fig. 1.

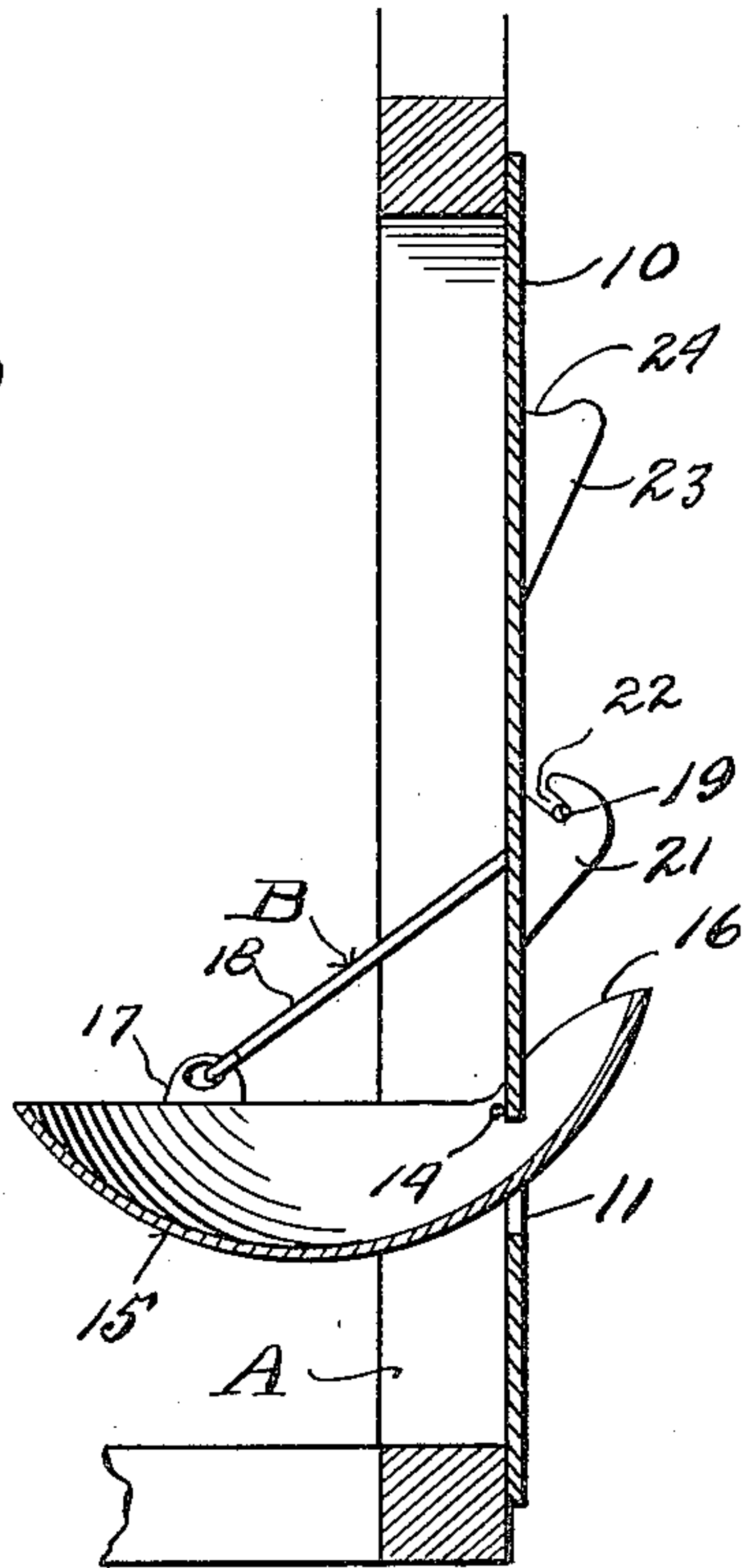


Fig. 3.

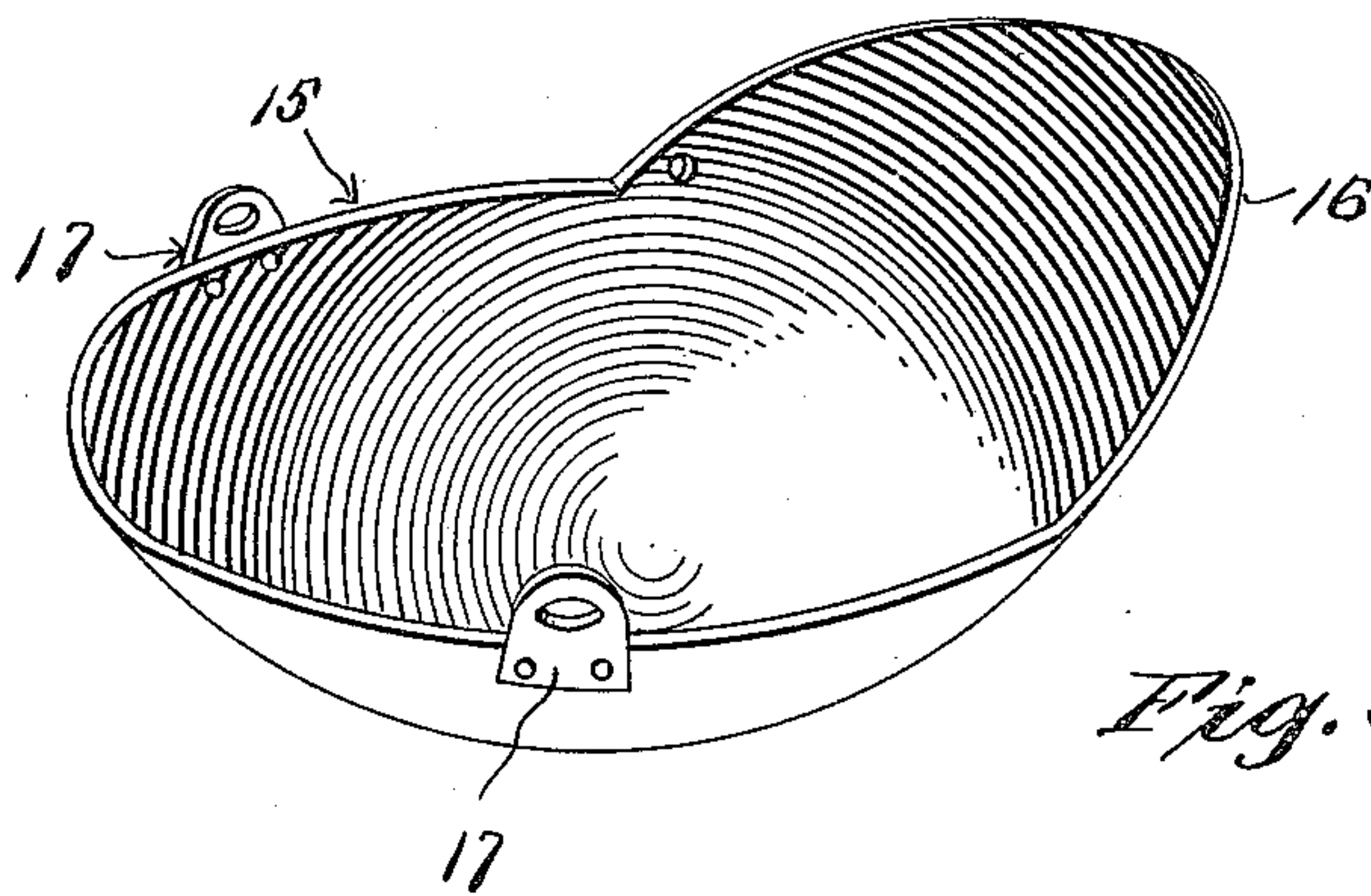


Fig. 5.

Witnesses

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2 SHEETS—SHEET 2.

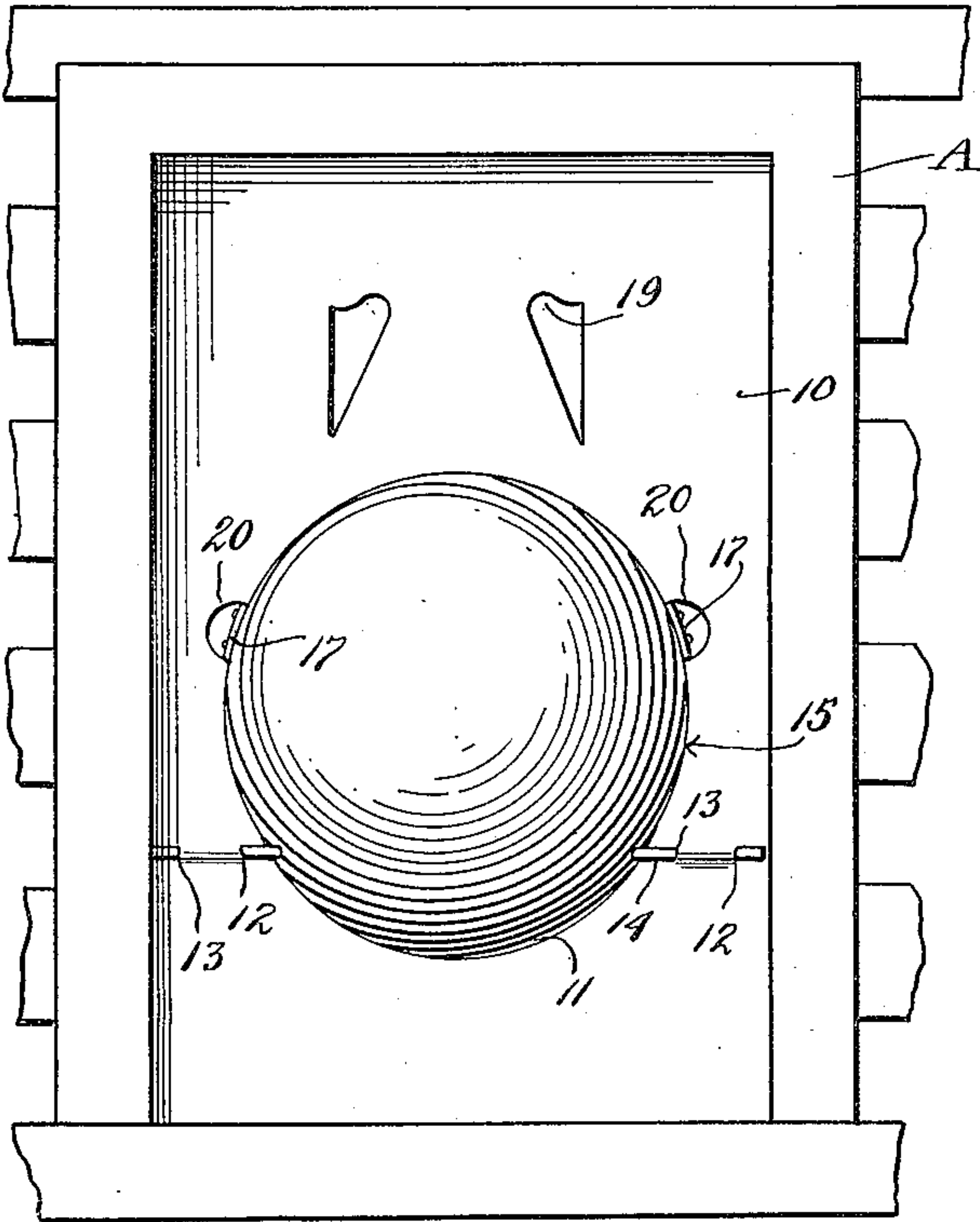


Fig. 2.

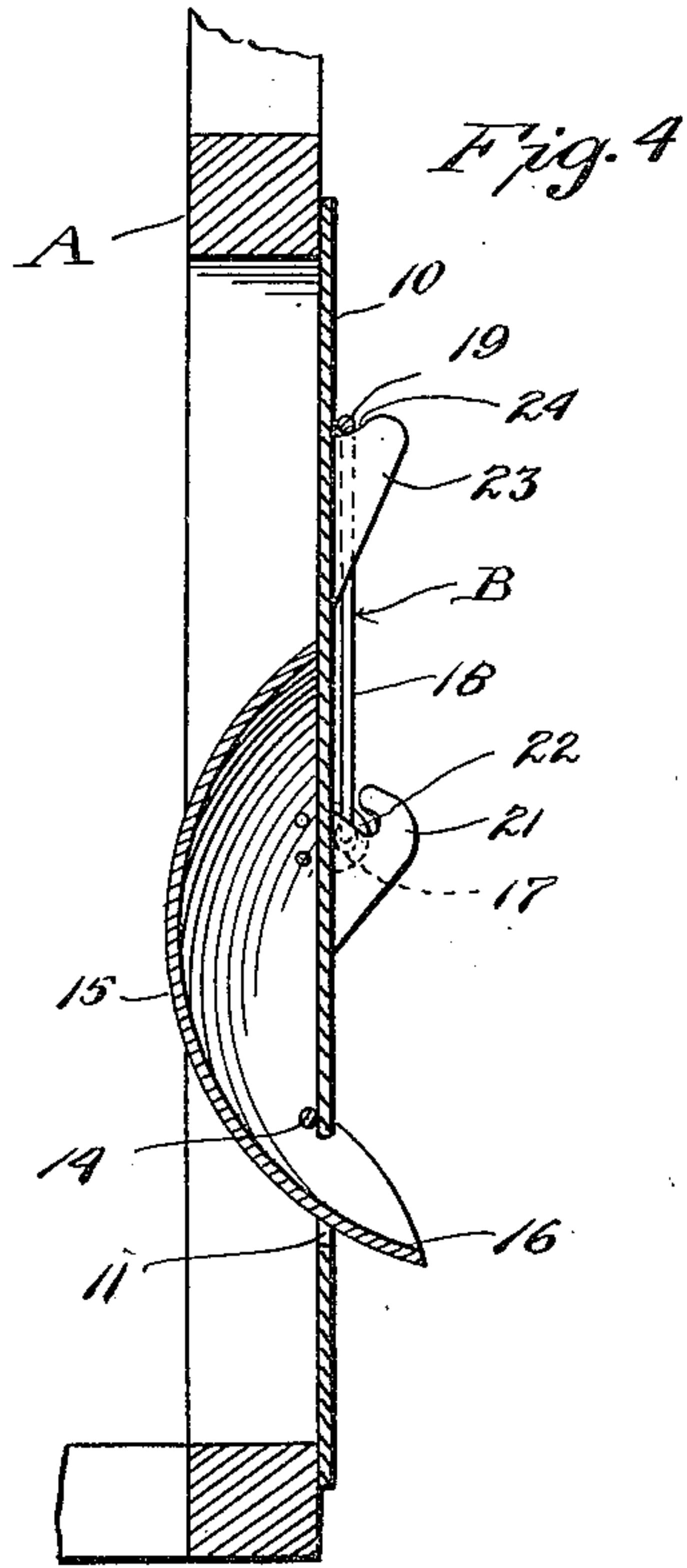


Fig. 4.

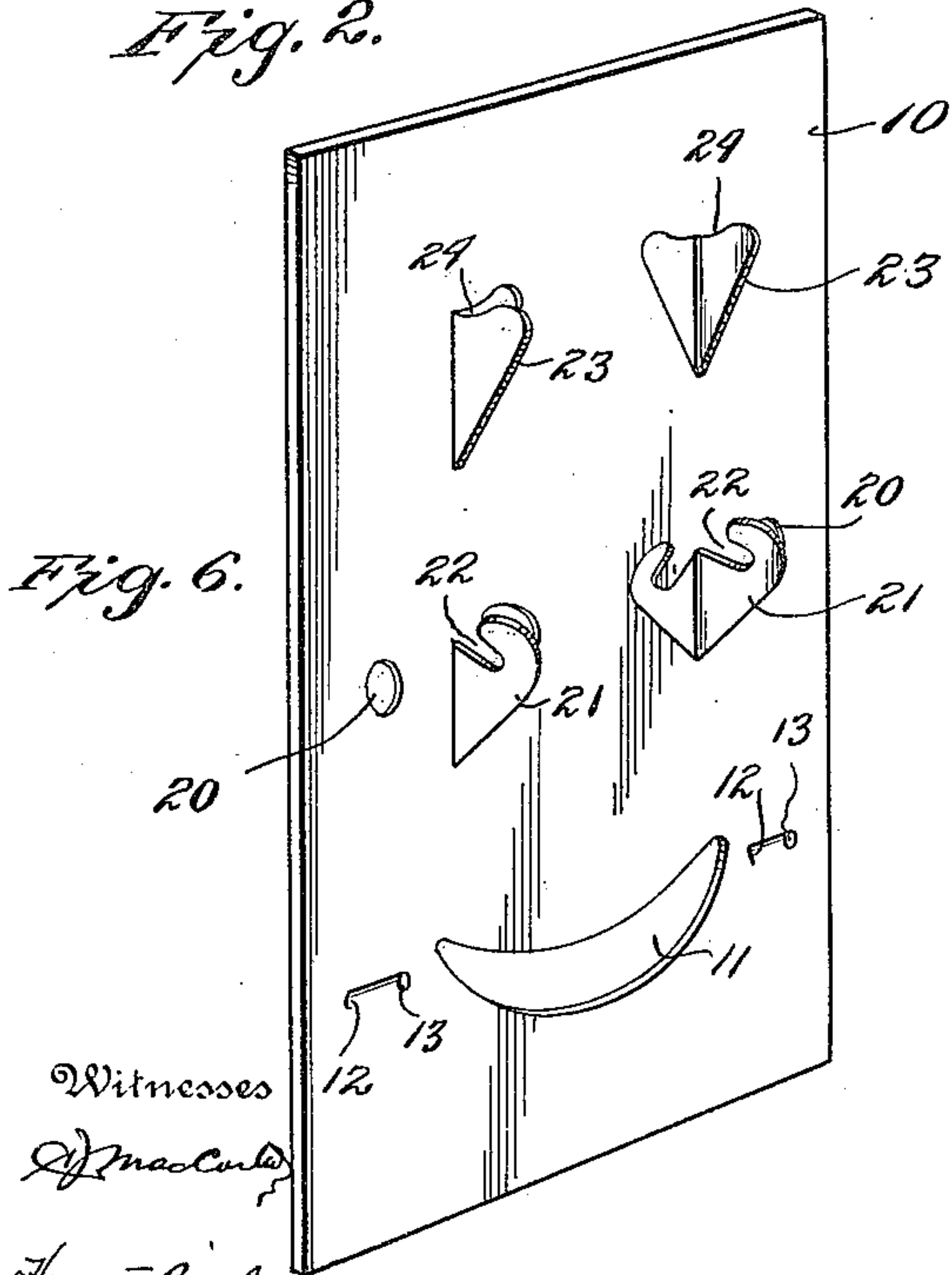


Fig. 6.

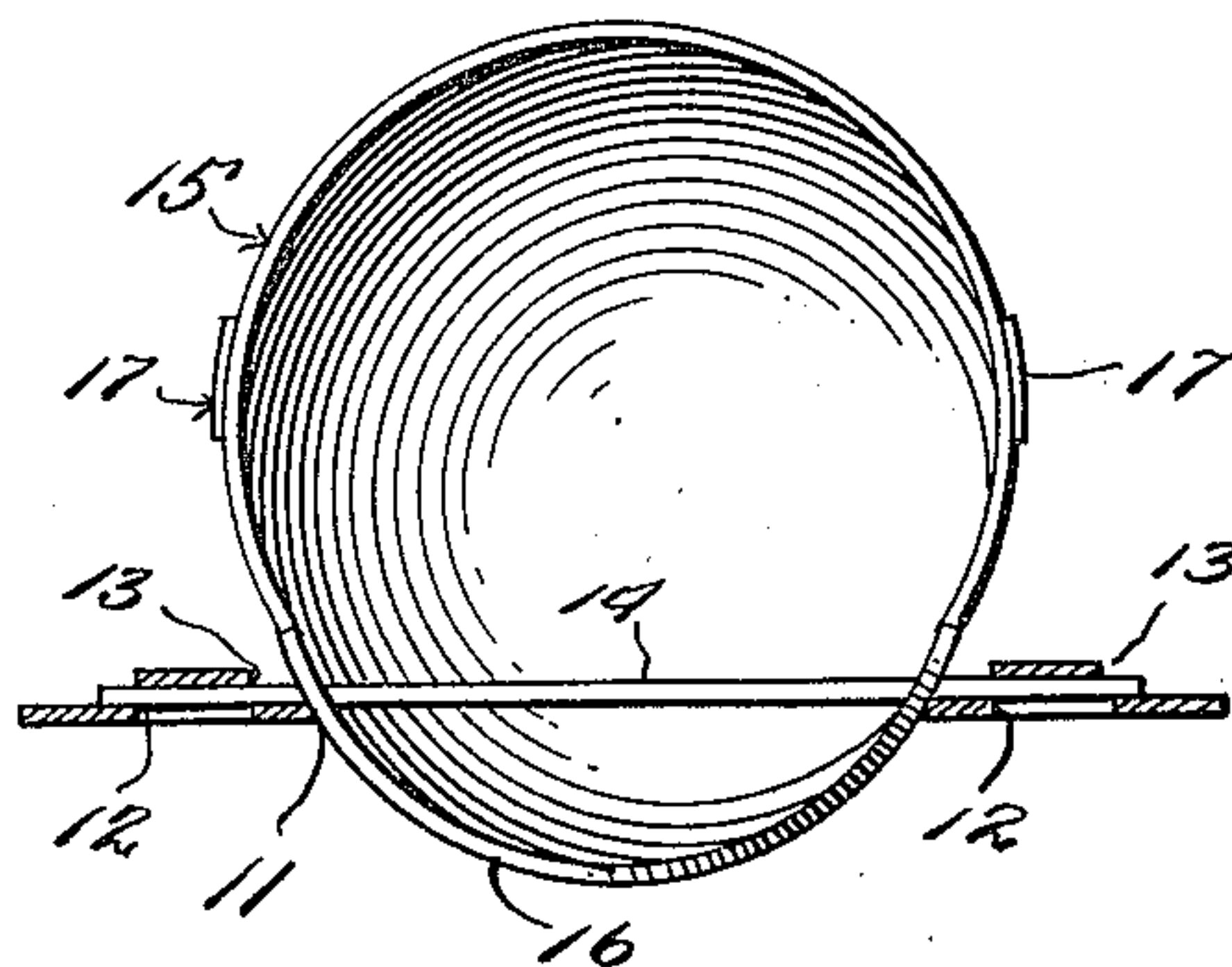


Fig. 7.

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## UNITED STATES PATENT OFFICE.

JOHN HEROLD, OF LEWISTON, NEBRASKA.

## STOCK-TROUGH.

1,154,768.

Specification of Letters Patent.

Patented Sept. 28, 1915.

Application filed July 13, 1914. Serial No. 850,776.

*To all whom it may concern:*

Be it known that I, JOHN HEROLD, a citizen of the United States, residing at Lewiston, in the county of Pawnee, State of Nebraska, have invented certain new and useful Improvements in Stock-Troughs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to stock troughs and particularly to a type adapted for use in connection with feeding hogs.

The object of the invention resides in the provision of a stock trough embodying an improved construction whereby it is rendered possible to fill and empty same from the outside of the stock pen thus eliminating one of the most disagreeable features of stock feeding.

A further object of the invention resides in the provision of a trough particularly adapted for feeding hogs which is so constructed and arranged that it cannot possibly be overturned by the hog and from which any stale food can be readily emptied outside of the pen, thus assuring a dry pen at all times.

With the above and other objects in view the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully described and particularly pointed out in the appended claims.

In describing the invention in detail reference will be had to the accompanying drawings wherein like characters of reference denote corresponding parts in the several views, and in which—

Figure 1 is a view in elevation of the improved trough looking at same from the outside of the pen; Fig. 2, a view similar to Fig. 1 looking at the trough from the inside of the pen, the trough being in the position it would occupy when out of use; Fig. 3, a section on the line 3—3 of Fig. 1; Fig. 4, a view similar to Fig. 3 with the trough in the position it would occupy when out of use or when it is desired to empty the contents thereof to the exterior of the pen; Fig. 5, a perspective view of the trough detached from its supporting panel; Fig. 6, a perspective view of the supporting panel looking at the outer side thereof, and Fig. 7, a section on the line 7—7 of Fig. 1.

Referring to the drawings, A indicates a fragment of a hog pen with which is associated my improved trough. This trough includes a panel 10 constructed preferably of sheet metal and suitably secured to the pen A to cover an opening left in the latter for that purpose. The panel 10 is provided on its lower end with a substantially arcuate opening 11 and on each side of this opening the panel is upset inwardly and provided with openings 12 and 13 disposed in alinement with each other. Extending through the openings 12 and 13 and disposed against the inner side of the panel throughout its intermediate portion is a rod 14. The trough proper is indicated at 15 and is shown as having the shape of a bowl and is provided with a spout 16. This trough is pivoted on the rod 14 and the spout 16 is movable in the opening 11 during swinging of the trough, the greater portion of the spout being disposed on the outer side of the panel 10 when the trough is in horizontal or feeding position.

Secured at opposite points on the trough on the inner side of the panel 10 are ears 17 to which are attached respectively the arms 18 of a bail B which latter also includes an arm connecting portion 19. The arms 18 extend respectively through openings 20 formed in the panel 10 above the opening 11. Struck from the panel 10 between the openings 20 are tongues 21, said tongues being bent outwardly at right angles to the panel and having their upper edges provided with recesses 22 respectively. Struck from the panel 10 above the tongues 21 are tongues 23 which are also bent outwardly at right angles to the panel and are disposed in vertical alinement respectively with the tongues 21. The upper edges of the tongues 23 are slightly recessed as at 24 for a purpose that will presently appear.

When the trough 15 is disposed in the position shown in Fig. 3 the arm connecting portion 19 of the bail B is engaged in the recesses 22 and supports the inner end of the trough against further downward movement. As the recesses 22 extend outwardly and downwardly it will be obvious that the engagement of the arm connecting portion 19 with the upper walls of said recesses will prevent the inner end of the trough 15 being accidentally raised by the stock within the pen. It will be further obvious that when the trough 15 is in the position shown



in Fig. 3 same can be readily filled with food from the outside of the pen through the instrumentality of the spout 16.

If it is desired to empty the trough it is only necessary to grasp the arm connecting portion 19 of the bail and swing the trough to the position shown in Fig. 4 and then engage the arm connecting portion in the recesses 24.

With the trough in the position shown in Fig. 4 it will be obvious that the contents thereof will drain by way of the spout 16 to the exterior of the pen.

What is claimed is:—

1. A stock trough comprising a supporting structure, a trough pivoted on the structure, a bail pivoted to the trough, and projections on the structure at different elevations selectively engageable by the bail to support the trough in either horizontal or vertical position.

2. A stock trough comprising a supporting structure, a trough pivoted on the structure, a bail pivoted to the trough, and projections on the opposite side of the structure from the pivot of the bail engageable by the latter to support the trough in either vertical or horizontal position.

3. A stock trough comprising a supporting panel having an opening therein, a trough pivotally supported by the panel and including a spout constantly projecting through said opening, a bail having its arms connected to the trough and slidable through openings in the panel, and projections on the panel at different elevations and selectively engageable by the arm connecting portions of the bail to support the trough in horizontal or vertical position.

4. A stock trough comprising a supporting panel having an opening therein, a trough pivotally supported by the panel and including a spout constantly projecting through said opening, a bail having its arms connected to the trough and slidable through openings in the panel, and tongues struck from said panel and selectively engageable by the arm connecting portion of the bail to support the trough in either horizontal or vertical position.

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

JOHN HEROLD.

Witnesses:

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A. R. CARSTEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."