

(No Model.)

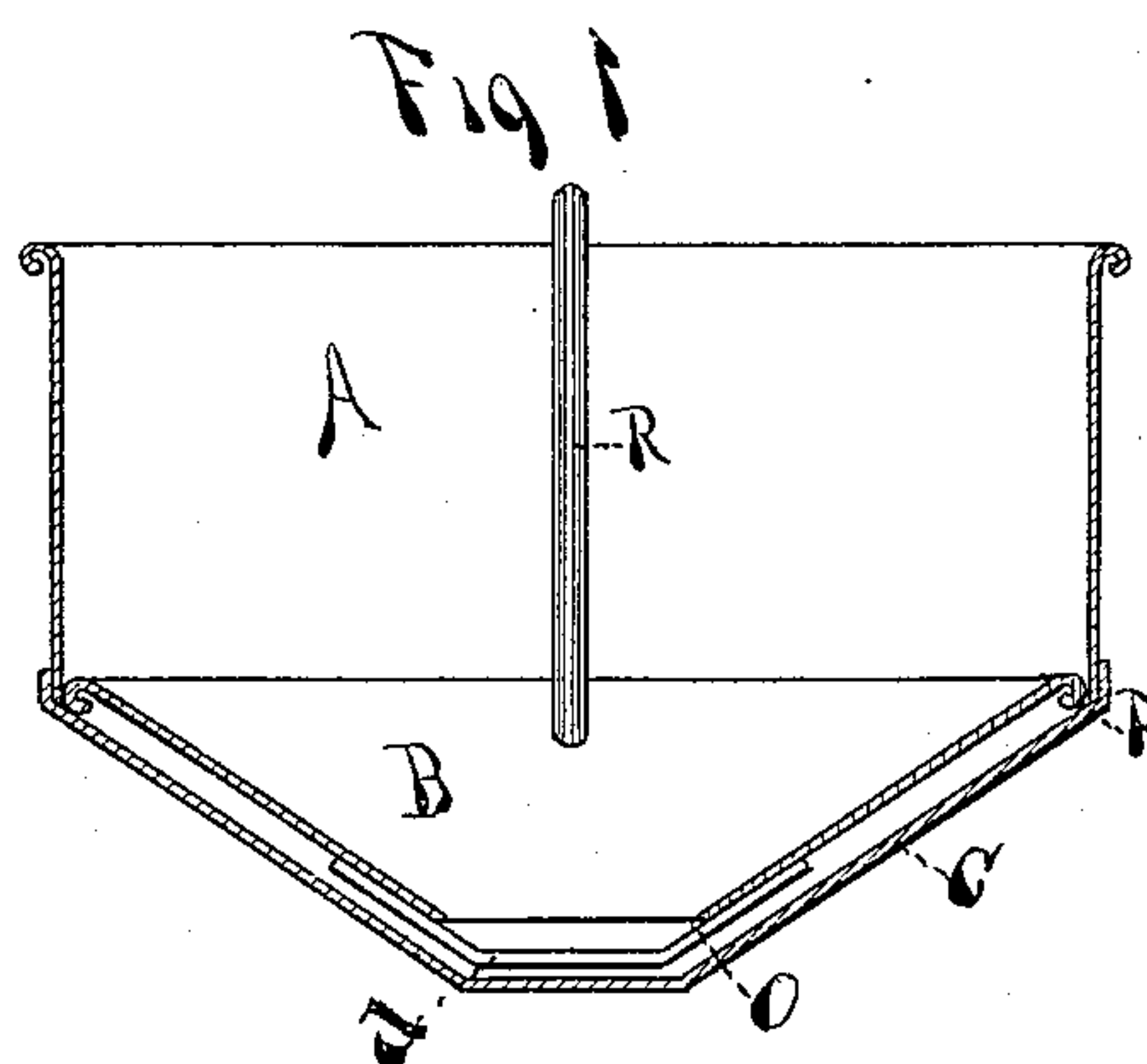
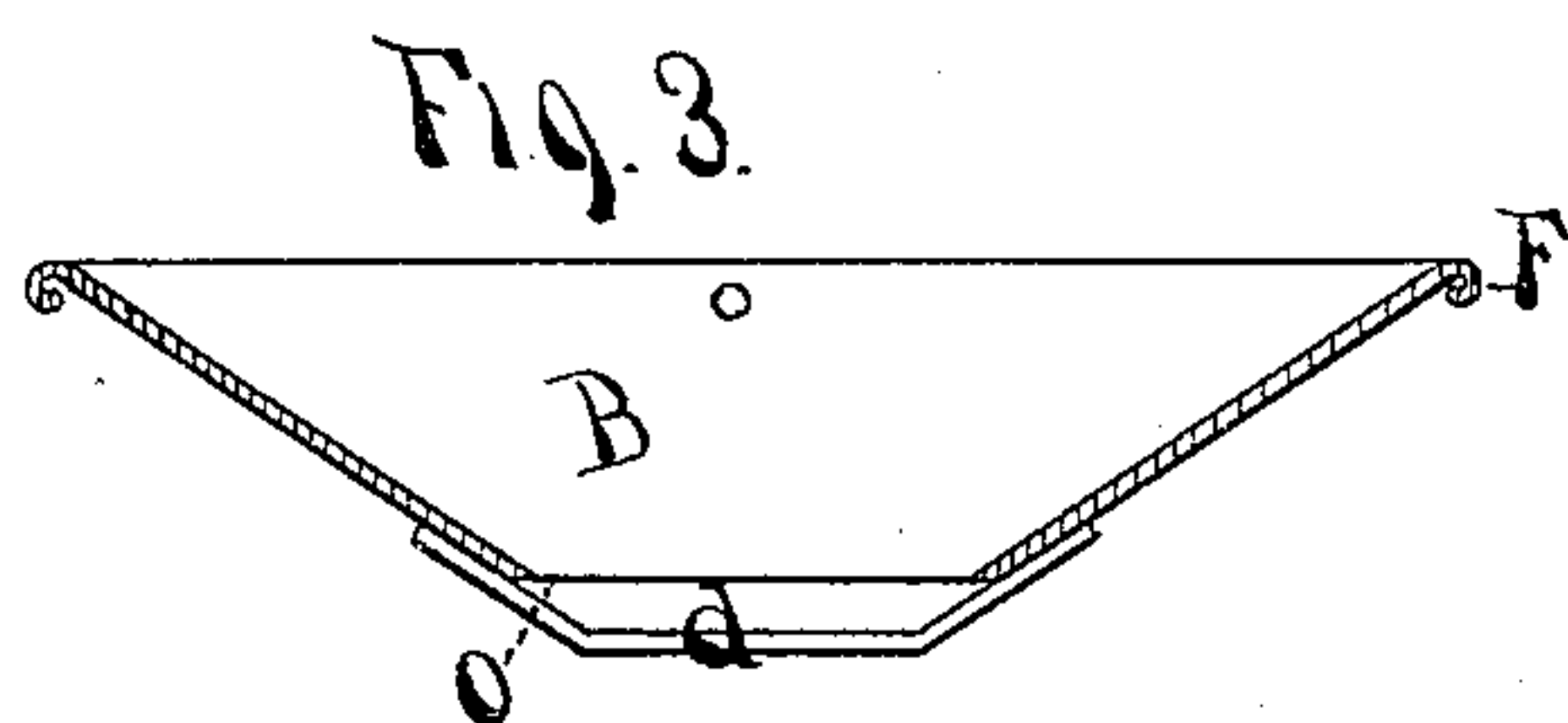
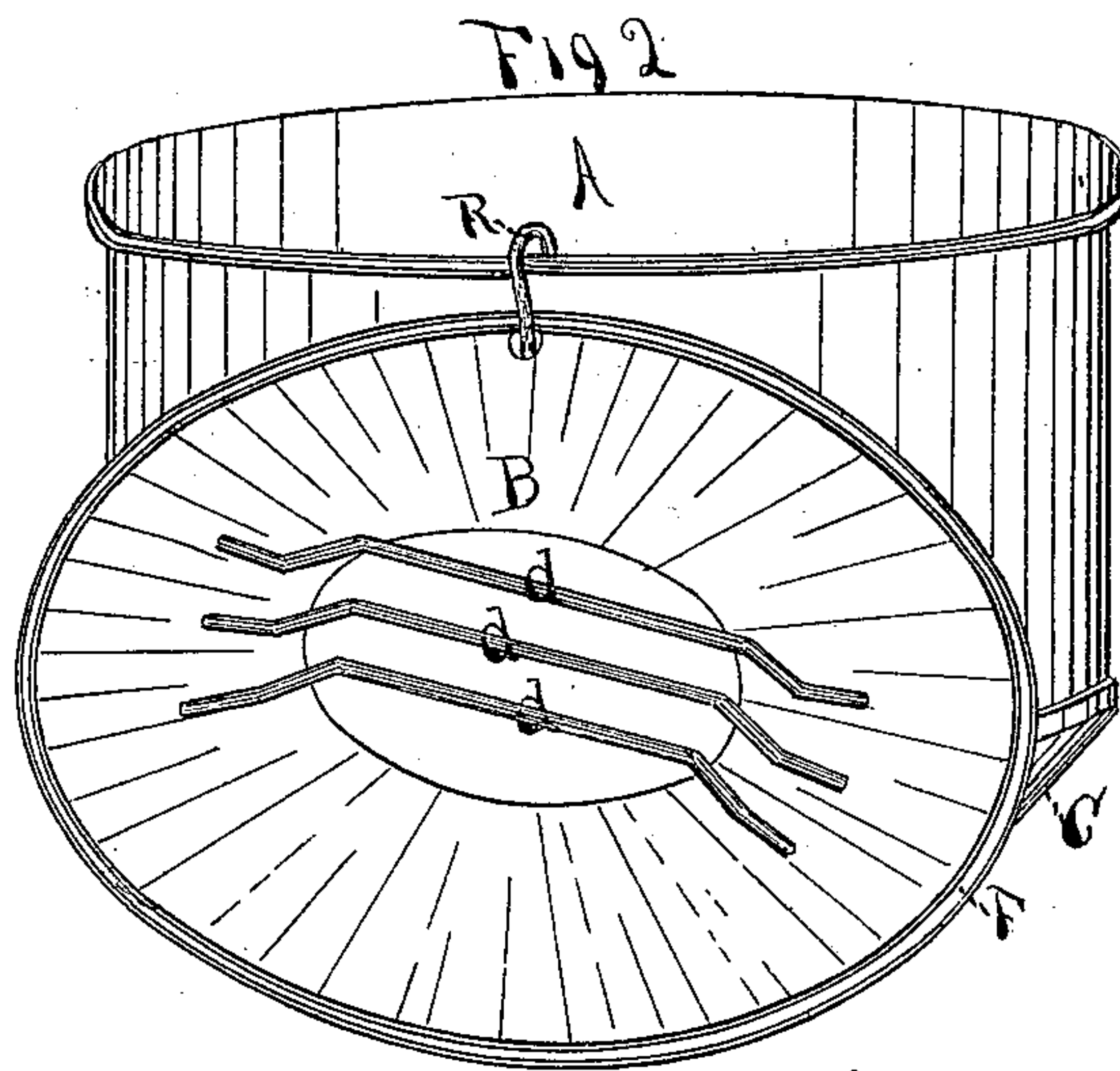
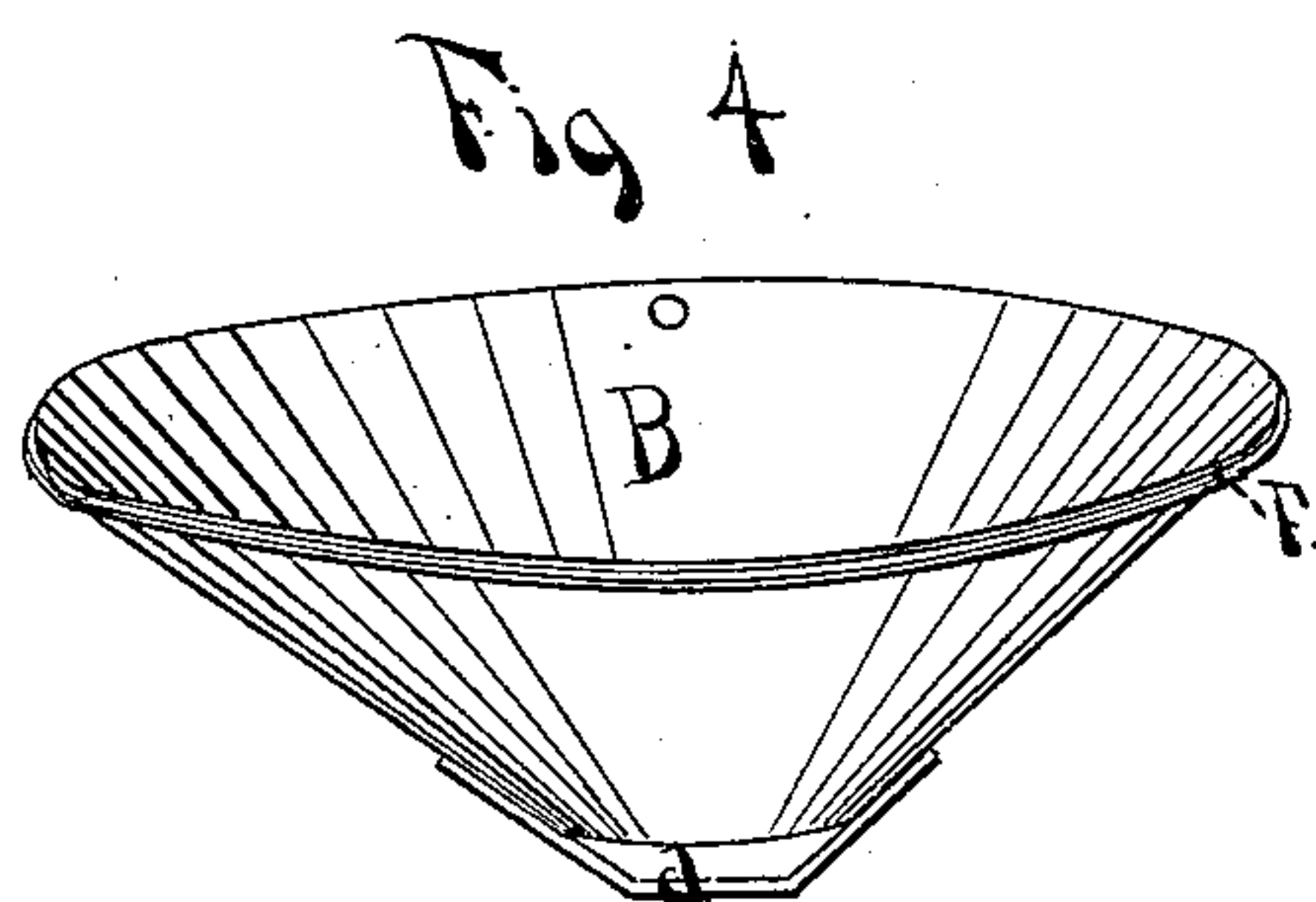
J. W. JACOBS, Dec'd.

J. T. GARVER, Administrator.

FEED BOX.

No. 405,260.

Patented June 18, 1889.



Witnesses  
M. L. Still  
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Inventor  
John W. Jacobs

# UNITED STATES PATENT OFFICE.

JOHN W. JACOBS, OF FREMONT, OHIO; JOHN T. GARVER ADMINISTRATOR  
OF SAID JOHN W. JACOBS, DECEASED.

## FEED-BOX.

SPECIFICATION forming part of Letters Patent No. 405,260, dated June 18, 1889.

Application filed October 8, 1888. Serial No. 287,589. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. JACOBS, a citizen of the United States, residing at Fremont, in the county of Sandusky and State of Ohio, have invented certain new and useful Improvements in Boxes for Feeding Horses and other Animals; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being made herein to the accompanying drawings, which are illustrations of a feed-box constructed in accordance with my invention.

The object of my invention is to provide an efficient method of preventing the waste of feed by a very common habit of horses of tossing or throwing the same out of their box, as well as to prevent more food being taken into the mouth at a time than can be properly masticated.

By my device it is impossible for a horse or other grain-eating animal to take up more food than can be gathered by his lips through the spaces between the regulating-bars, the bars acting as a measure governing the amount within his reach by the spaces between them, which, together with the peculiar form of the follower or cover and corresponding shape of the bottom of the box, keep an ample supply within his reach until the contents of the box are exhausted. I attain this saving of feed by the device shown in the accompanying drawings, in which—

Figure 1 is a vertical section of the entire device or box. Fig. 2 is a perspective view with the follower shown on the outside of the box inverted and retained by the loop of the guide-rod. Fig. 3 is a vertical sectional view of the follower, and Fig. 4 a perspective view of the same.

Similar letters refer to similar parts of the several views.

A is the feed-box, and may be made of any desired shape and of any suitable material. That preferred by me is sheet metal, galvanized; and in shape I prefer an oval or round, with a diameter of about eleven (11) inches and a depth of sides four inches to

the bottom piece, which bottom piece should at its deepest part be not less than two and one-half inches, concaved or dish-shaped, as seen at C, and at an angle of not less than forty degrees.

B is a movable follower or cover, preferably made of sheet metal, but may be made of any other suitable material, of corresponding shape to the bottom piece of the box A, but made sufficiently smaller than the inside diameter of the box to allow its free movement up or down. At the periphery of the follower or cover is inserted wire F, or attached thereto by any of the methods known to the trade; or, in lieu of such wire, a flange may be employed extending below the upper surface of the said follower at any desired depth or width. By this flange F or wire projection a space is left between the follower or cover and the bottom of the box, whereby the grain or feed may have free passage to the bottom and not be impacted or held by the weight of the follower against the bottom of the box when the feed is nearly exhausted.

In the center of follower B is a circular opening O of about one-fourth the area of the bottom of the box. Upon the under side of opening O, and extending across parallel with its diameter, I attach regulating-bars  $d$   $d'$   $d''$ , which bars are bent so as to conform to the shape of the bottom C when the same is empty. These bars are attached to the under side of the said follower by rivets, or they may be fixed by any of the well-known methods, and they may be of any desired distances apart. The distance apart preferred by me is one and one-fourth inch, which is sufficient for all ordinary kinds of grain.

R is a guide-rod for the said follower B, one end of which is fastened at the upper outside of box A, thence bent with a half-loop over the top of the box, and extending thence to the bottom of the box, where the other end is fastened. Before fastening both ends of said guide-rod the follower B must be linked to the rod by passing the same through a hole  $p$  and at such distance from its edge as to allow the free movement of said follower up and down the rod.



I do not claim as my invention a sliding disk with a central opening, as the same has been heretofore constructed and used.

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

The combination, in a feed-box with a concaved or dish-shaped bottom, of a follower con-

caved or dish-shaped on its upper side, having an opening O, with regulating-bars across 10 said opening, flange F, and guide-rod R, all substantially as and for the purpose set forth.

JOHN W. JACOBS.

Witnesses:

HENRY STILL,  
M. L. STILL.