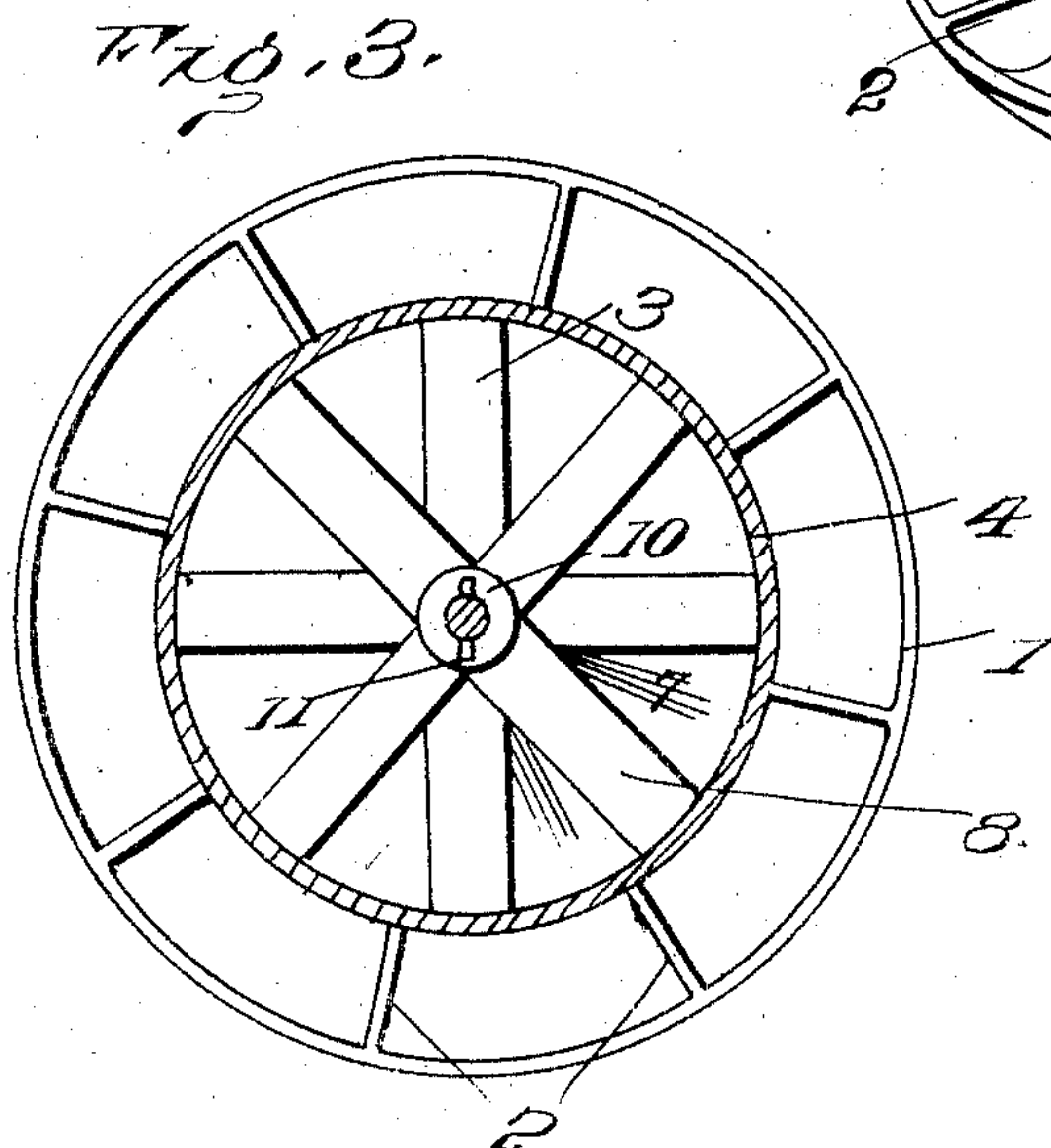
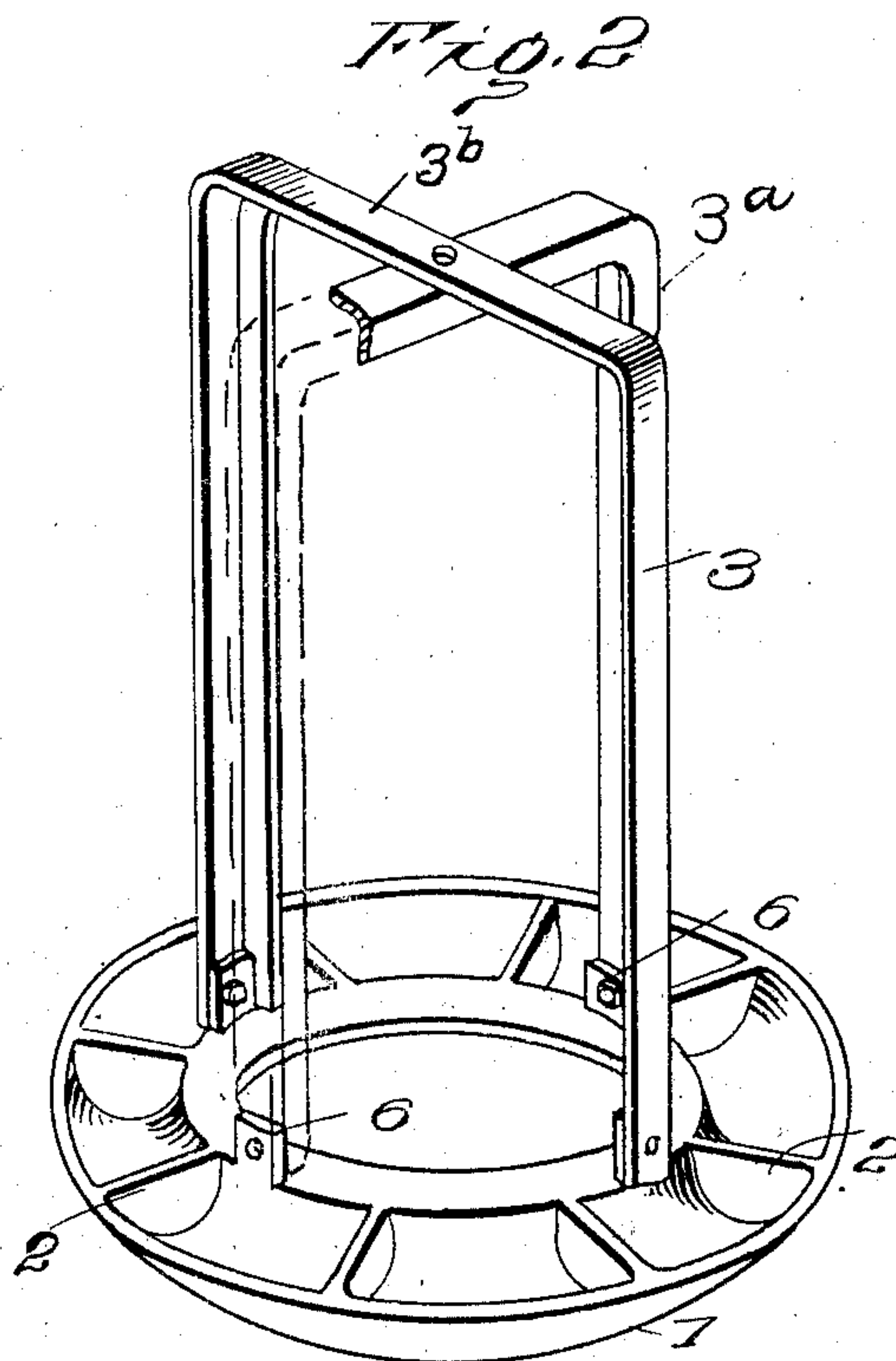
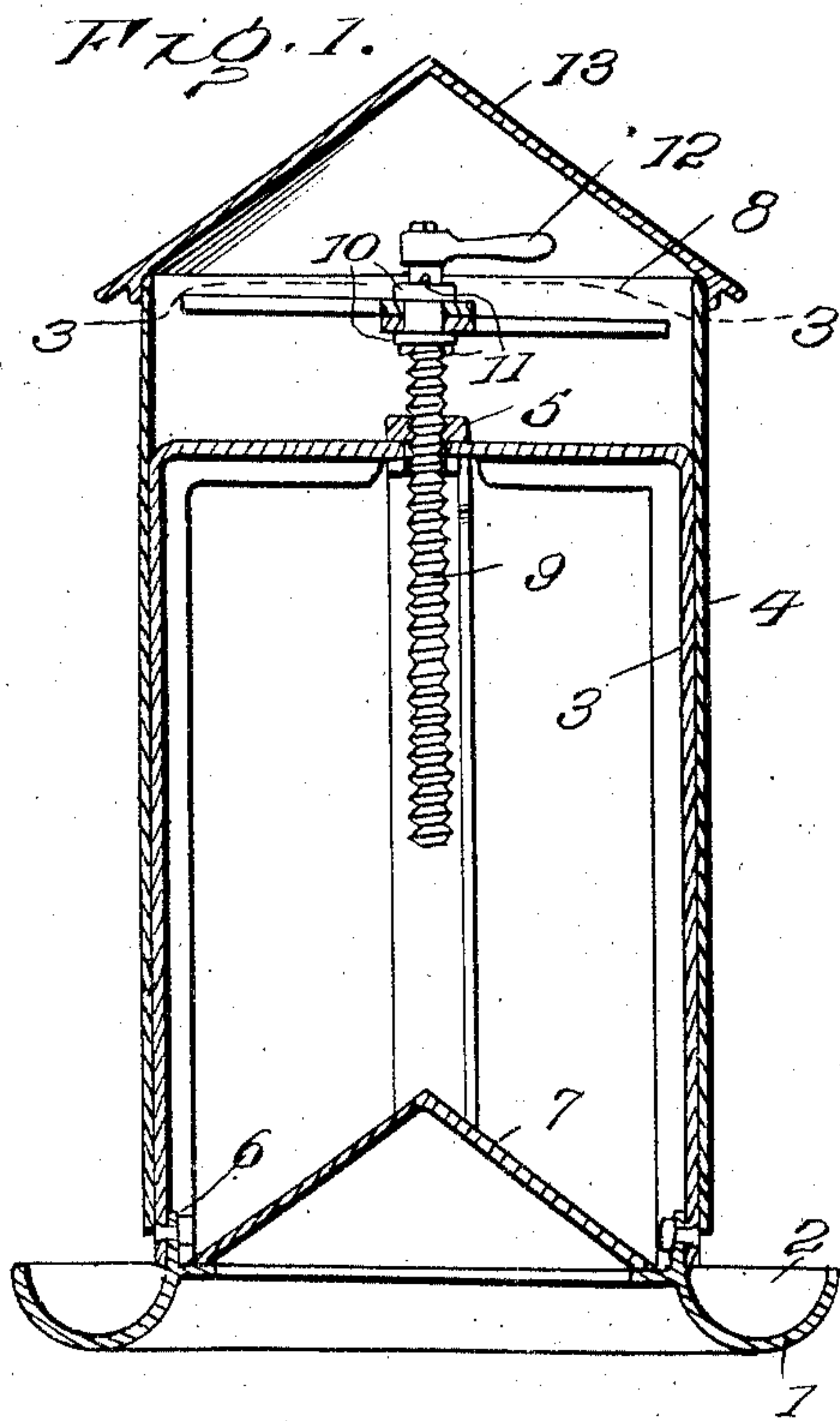


S. F. WEBB.
STOCK FEEDER.
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905,393.

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SAMUEL F. WEBB, OF WICHITA, KANSAS.

STOCK-FEEDER.

No. 905,393.

Specification of Letters Patent.

Patented Dec. 1, 1908.

Application filed March 6, 1908. Serial No. 419,552

To all whom it may concern:

Be it known that I, SAMUEL F. WEBB, citizen of the United States, residing at Wichita, in the county of Sedgwick and State of Kansas, have invented certain new and useful Improvements in Stock-Feeders, of which the following is a specification.

The present invention relates to an improved device for feeding stock such as cattle, hogs and the like, and consists essentially of a trough and a reservoir mounted in coöperative relation to the trough, novel means being provided for supporting the reservoir and adjusting the same to regulate the discharge of feed into the trough.

The object of the invention is to design a stock feeder which is simple and inexpensive in its construction and can be readily adjusted so as to be employed in connection with various sizes of grain or different kinds of feed.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a vertical sectional view through a stock feeder constructed in accordance with the invention. Fig. 2 is a perspective view of the trough and upright frame carried thereby. Fig. 3 is a horizontal sectional view on the line 3-3 of Fig. 1.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawing, the numeral 1 designates the trough which has an annular formation and is subdivided into a plurality of compartments by means of the transverse or radial partitions 2. Projecting upwardly from the trough is a frame 3 upon which the casing 4 is mounted, the said casing constituting the reservoir and being designed to receive the grain or feed. In the present instance this frame 3 is shown as formed of angle iron and comprises the four uprights 3^a connected at their upper ends by the cross bars 3^b, a nut 5 being arranged at the intersection of the cross bars. The lower ends of the uprights 3^a are bolted or otherwise rigidly connected to lugs 6 projecting upwardly from the inner edge of the trough 1. The inner edge of the trough also supports

a plate 7 which constitutes the bottom of the reservoir and preferably has a conical formation so as to deflect the contents of the reservoir outwardly toward the feed trough. The edges of this conical plate 7 bear against the lugs 6 and the bolts by means of which the frame 3 is secured to the lugs may also project over the edges of the plate so as to retain the latter against displacement. Intersecting braces 8 are provided at the upper portion of the casing 4 and a vertical shaft 9 has a swivel connection with these braces, the lower end of the shaft being threaded and passing through the nut 5 carried by the upright frame while the upper portion of the shaft is provided with means whereby it may be rotated to raise or lower the casing.

In the construction shown on the drawing a washer 10 is fitted upon the shaft 9 both above and below the braces 8 and transverse pins 11 pass through the shaft, one of the pins being located above the upper washer while the other pin is disposed below the lower washer. In this manner the shaft is so mounted as to enable the same to be freely rotated, while at the same time it is held against longitudinal movement. Owing to the threaded engagement between the nut 5 and the lower end of the shaft it will be obvious that when the shaft is turned the casing 4 will be raised or lowered and the effective size of the feed opening between the bottom of the casing and the inner edge of the feed trough either increased or decreased as required. A handle 12 is shown as applied to the upper end of the shaft for manipulating the latter, and the said handle may either be permanently connected thereto or detachable as found the most desirable. The top of the casing 4 is closed by means of a removable cover 13 which may have a conical formation as shown and is provided with a downwardly projecting peripheral flange designed to be received within the upper edge of the casing in the usual manner. As previously mentioned the grain or feed is placed within the casing 4 which constitutes the reservoir and is discharged into the feed trough as required through the opening between the bottom of the casing and the inner edge of the trough, the said opening being regulated as required by raising or lowering the casing.

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

1. In a stock feeder, the combination of a

trough, a frame carried by the trough, a casing mounted upon the frame and adapted to discharge into the trough, and a shaft having a swivel connection with one of the members and a threaded connection with the opposite member for moving the casing to regulate the effective size of the feed opening.

2. In a stock feeder, the combination of an annular trough, a frame projecting upwardly from the trough, a casing slidably mounted upon the frame and designed to discharge into the trough, and a shaft having a swivel connection with the casing and a threaded connection with the frame for moving the casing to regulate the effective size of the feed opening.

3. In a stock feeder, the combination of an annular trough, lugs projecting upwardly from the inner edge of the trough, a plate resting upon the said inner edge of the trough and held in position by the lugs, an upright frame secured to the lugs, a casing slidably mounted upon the frame and designed to discharge into the trough, and means for moving the casing to regulate the effective size of the feed opening.

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

SAMUEL F. WEBB. [L. s.]

Witnesses:

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