

C. D. FINK.
HOG FEEDER.

APPLICATION FILED OCT. 15, 1919.

1,333,800.

Patented Mar. 16, 1920.

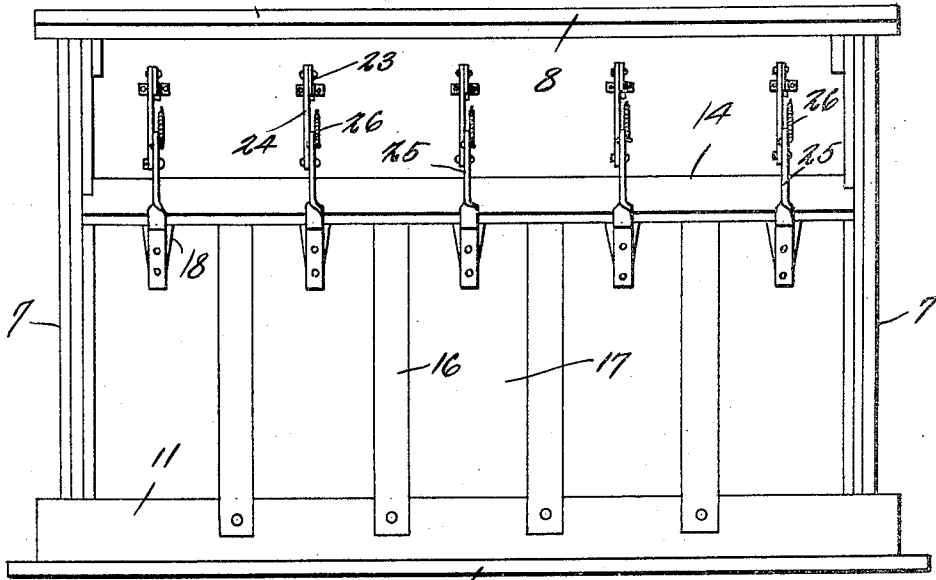


Fig. 1.

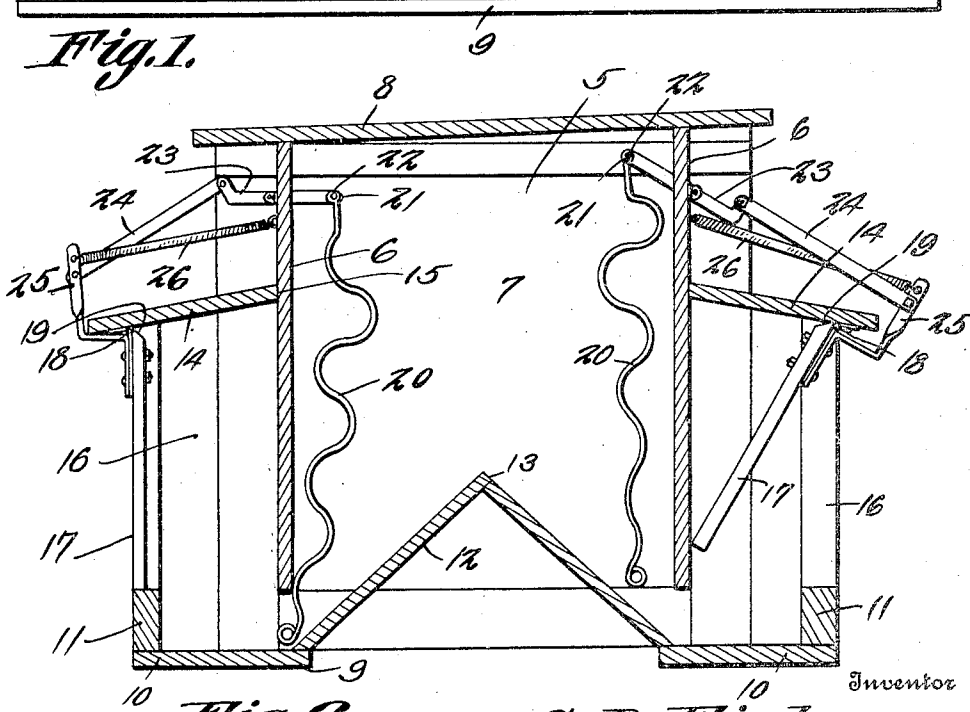


Fig. 2.

Witness

J. R. Jones

C. D. Fink

By *C. A. Snow & Co.*
Attorneys.

Inventor

UNITED STATES PATENT OFFICE.

CHARLES D. FINK, OF TOLEDO, OHIO.

HOG-FEEDER.

1,333,800.

Specification of Letters Patent.

Patented Mar. 16, 1920.

Application filed October 15, 1919. Serial No. 330,712.

To all whom it may concern:

Be it known that I, CHARLES D. FINK, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented a new and useful Hog-Feeder, of which the following is a specification.

This invention relates to feeding devices, and more particularly to devices of this character especially constructed to facilitate the feeding of swine.

The primary object of the invention is to provide a feeding device including a main receptacle, and a plurality of independent feeding compartments, in communication therewith, and means for normally closing the respective compartments to prevent chickens, or other fowls from eating the material contained in the feeder, between the feeding periods, of the swine.

A further object of the invention is to provide means automatically controlled by the movement of the closures of the feeding compartments, for agitating the feed within the main receptacle, to insure a constant feeding of the material contained therein, to the independent feeding compartments.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:—

Figure 1 illustrates a side elevational view of a feeder constructed in accordance with the present invention.

Fig. 2 illustrates a transverse sectional view.

Referring to the drawing in detail, the reference character 5 designates the main or central supply receptacle, which includes the side walls 6, and end walls 7, the side walls 6, as shown, extend from the roof of the feeder, indicated at 8, downwardly, terminating at a point in spaced relation with the bottom 9 of the feeder.

This bottom, extends beyond the side walls 6 of the main receptacle, as at 10, and supports an upwardly extending member 11, on

each side of the receptacle, and adjacent the outer edges of the bottom 10, to provide means for preventing the feed, from being scattered over the ground, on which the feeding device is supported.

The central portion of the bottom, is substantially inverted V-shaped, and includes the bottom walls 12, which are connected with each other, as at 13, the lower ends thereof having connection with the bottom 10, at points below the side walls 6 of the central container.

The roof sections 14, have their inner ends connected to the side wall 6, as at 15, the outer ends of said roof sections 14 lying in a plane below the point of connection between the inner edges of the roof sections and the side walls 6, in order that the water, or rain, will drain from the roof, thereby maintaining the feed within the receptacle in a dry condition.

Disposed in spaced relation with each other and positioned between the roof 14, and the bottom 10, are a plurality of partitions 16, which partitions divide the space between the roof 14 and the bottom 10, into a plurality of independent feeding compartments, each of which is normally closed, by means of a swinging door 17, hingedly connected to the under side of the roof 14, by means of the hinges 18, the lower edges of each closure operating in close proximity to the upper edge of the member 11.

The upper inner edge, of each of the closures, or doors 17, is beveled as at 19, to permit the door to move inwardly, which movement is controlled by the animal, in a manner to be hereinafter more fully described.

Positioned within the main receptacle 5, and disposed to the rear of each of the independent feeding compartments, is an agitator 20, which agitator is in the form of a twisted wire, having an eye 21 formed at the upper end thereof, which eye 21, embraces the pin 22, formed at one end of the pivoted arm 23, which arm extends through a suitable slot in the side wall 6, of the main receptacle, the outer end thereof extending upwardly and having connection with the arm 24, which arm 24, has its outer extremity pivotally connected to the upwardly extending arm 25, the arm 25, having one of its extremities bolted, or otherwise secured to the closure 17.

A coiled spring 26, has one of its ends

anchored to one of the side walls 6, the opposite end thereof having connection with a portion of the arm 25, extending upwardly beyond the upper edge of the arm 24, the spring 26 being of a predetermined tension, to support the door 17 normally in a vertical, or closed position.

While I have described the construction of one of the compartments, it is of course understood that an agitating device, and operating levers, as shown and described, has connection with each of the closures, whereby movement of the closure causes a relative movement of this agitator, with the result that material within the main receptacle is constantly fed to the independent feeding compartments.

In operation, an animal to be fed, forces his snout against the closure, of one of the compartments, with the result that the same swings inwardly, as indicated by the construction shown at the right of Fig. 2, and since during the feeding the animal is constantly moving his head, and consequently the closure, the agitator 20, is given a reciprocating movement within the main receptacle for dislodging the material contained therein, to permit the same to move freely toward the feeding compartment from which the animal is feeding.

Having thus described the invention, what is claimed is:

In a feeding device, a main receptacle having an inclined bottom, a plurality of feeding compartments in communication with the main receptacle, a closure for closing each feeding compartment, a cover for the feeding compartments, said closures being hingedly supported to the underside of the cover, an arm having connection with each of the closures and extending upwardly therefrom pivoted arms extending through one of the walls of the main receptacle, a relatively long agitating member having connection with each of the pivoted arms, means for connecting the first mentioned arms and the pivoted arms, whereby movement of the closures produces a relative movement of the agitating members, when the closures are moved, in one direction, and means for returning the closures to a closed position.

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

CHARLES D. FINK.

Witnesses:

J. DUVICK,
G. RAMSEY.