Apr. 3, 1923. 1,450,175

W. E. HONSINGER

POULTRY FEEDER

Original Filed Apr. 7, 1921

Fig. 1.

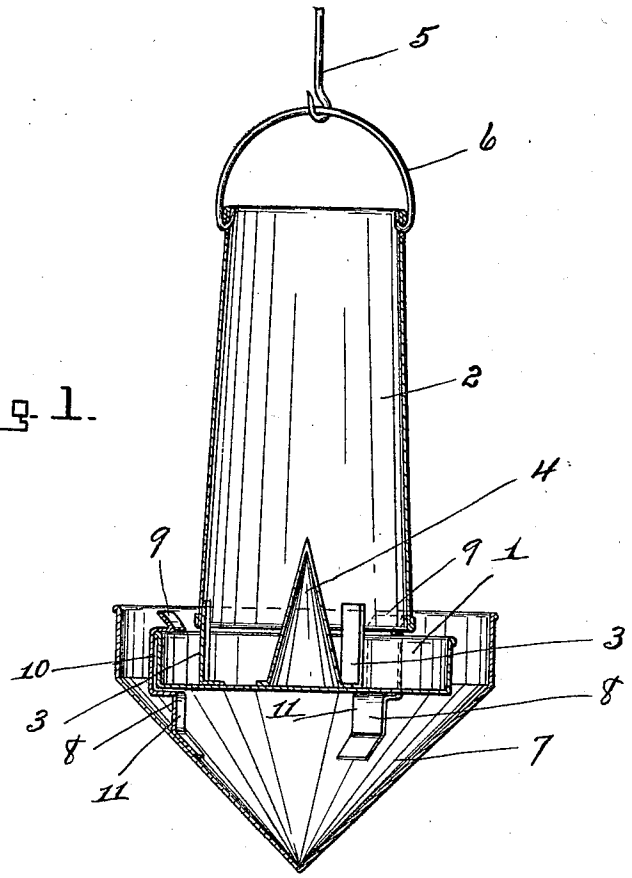
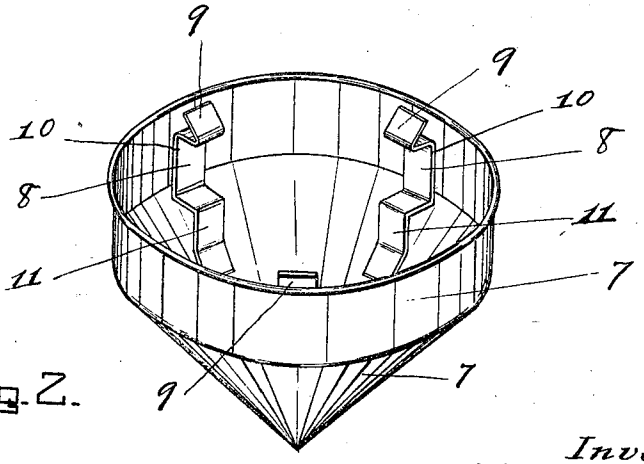


Fig. 2.



Inventor:
William E. Honsinger
By Frank E. Curtis
Attorney

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UNITED STATES PATENT OFFICE.

WILLIAM E. HONSINGER, OF ROUND LAKE, NEW YORK.

POULTRY FEEDER.

Application filed April 7, 1921, Serial No. 459,434. Renewed February 23, 1923.

To all whom it may concern:

Be it known that I, WILLIAM E. HONSINGER, a citizen of the United States, residing at Round Lake, in the county of Saratoga and State of New York, have invented new and useful Improvements in Poultry Feeders, of which the following is a specification.

Reference may be had to the accompanying drawings, and the reference characters marked thereon, which form a part of this specification. Similar characters refer to similar parts in the several figures therein.

The principal object of the invention is to provide means for catching the waste from a poultry-feeder, and whereby the waste can be readily returned to the feeder.

Other objects will appear in connection with the following description.

Fig. 1 of the drawings is a central vertical section of the feeder.

Fig. 2 is a view in perspective of the waste-tray detached.

Referring to the drawings wherein the invention is shown in preferred form, 1 is a feed-tray adapted to be supplied by a feed-magazine, 2, upon the lower end of which magazine the feed-tray is supported by means of brackets, 3.

The magazine communicates with the central portion of the tray; and to facilitate the distribution of the feed from the magazine to the tray the tray is provided with a cone, 4, which extends upwardly within the magazine, whereby the feed will be deflected outwardly in all directions into the feed-tray.

The magazine, 2, is preferably slightly upwardly tapered to prevent the feed from clogging within the magazine.

A bail, 6, is attached to the upper end of the magazine whereby the feeder can be supported through the magazine and bail upon a hook, 5, or the like.

A waste-tray, 7, circumferentially surrounds and extends beneath the feed-tray in position to catch and retain any feed which may be pushed over the edge of the feed-tray.

A plurality of spring-hooks, 8, preferably three in number, are mounted upon the waste-tray in position to embrace the circumferential portion of the feed-tray, whereby the waste-tray is releasably supported by the feed-tray and indirectly by the magazine and bail.

The hooks, 8, preferably have outwardly flaring ends, 9, leading to seating notches, 10, adapted to receive the circumferential portion of the feed-tray.

The hooks are thus caused to automatically interlock with the feed-tray by simply pushing the feed-tray within the waste-tray between the hooks.

The bottom of the waste-tray is preferably made conical as shown, thereby affording a convenient support for attachment of the lower ends of the spring-hooks, 8, whereby the hooks can be properly located with respect to the dimensions of the feed-tray, and can be provided with sufficiently long shanks, 11, to permit the hooks to readily yield as the feed-tray is forced down between them in making the automatic interlocking.

The operation of the device is as follows:

The magazine being supplied with feed, the feeder is suspended by the bail, 6, from any convenient support as the hook, 5, so located that the feed-tray is accessible to the fowls, the waste-tray being mounted upon and supported by the feed-tray as above described.

As the fowls feed, any feed which is pushed over the edge of the feed-tray will fall into the waste-tray and be retained thereby.

Whenever desired the waste-tray can be removed by pushing back one or more of the spring-hooks, 8, and the waste-tray can then be more or less upturned over the edge of the feed-tray to deposit the contents of the waste-tray in the feed-tray.

The waste-tray can then be replaced by

pushing the feed-tray toward the waste-tray and between the spring-hooks, 8, until the feed-tray reaches the notches, 10, whereupon the hooks will automatically interlock with the feed-tray.

What I claim as new and desire to secure by Letters Patent:

A poultry-feeder having in combination an exteriorly accessible feed-tray; a feed-magazine leading to the feed-tray and mounted thereupon; a waste-tray circumferentially surrounding and extending beneath the feed-tray; and members permanently attached to the waste-tray having spring-hooks releasably engageable with the feed-tray.

In testimony whereof, I have hereunto set my hand this 4th day of April, 1921.

WILLIAM E. HONSINGER.