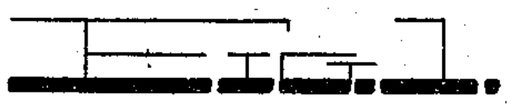
F. ENOS, Jr.

DRINKING FOUNTAIN FOR POULTRY.

APPLICATION FILED JAN. 4, 1915.

1,167,056.

Patented Jan. 4, 1916.



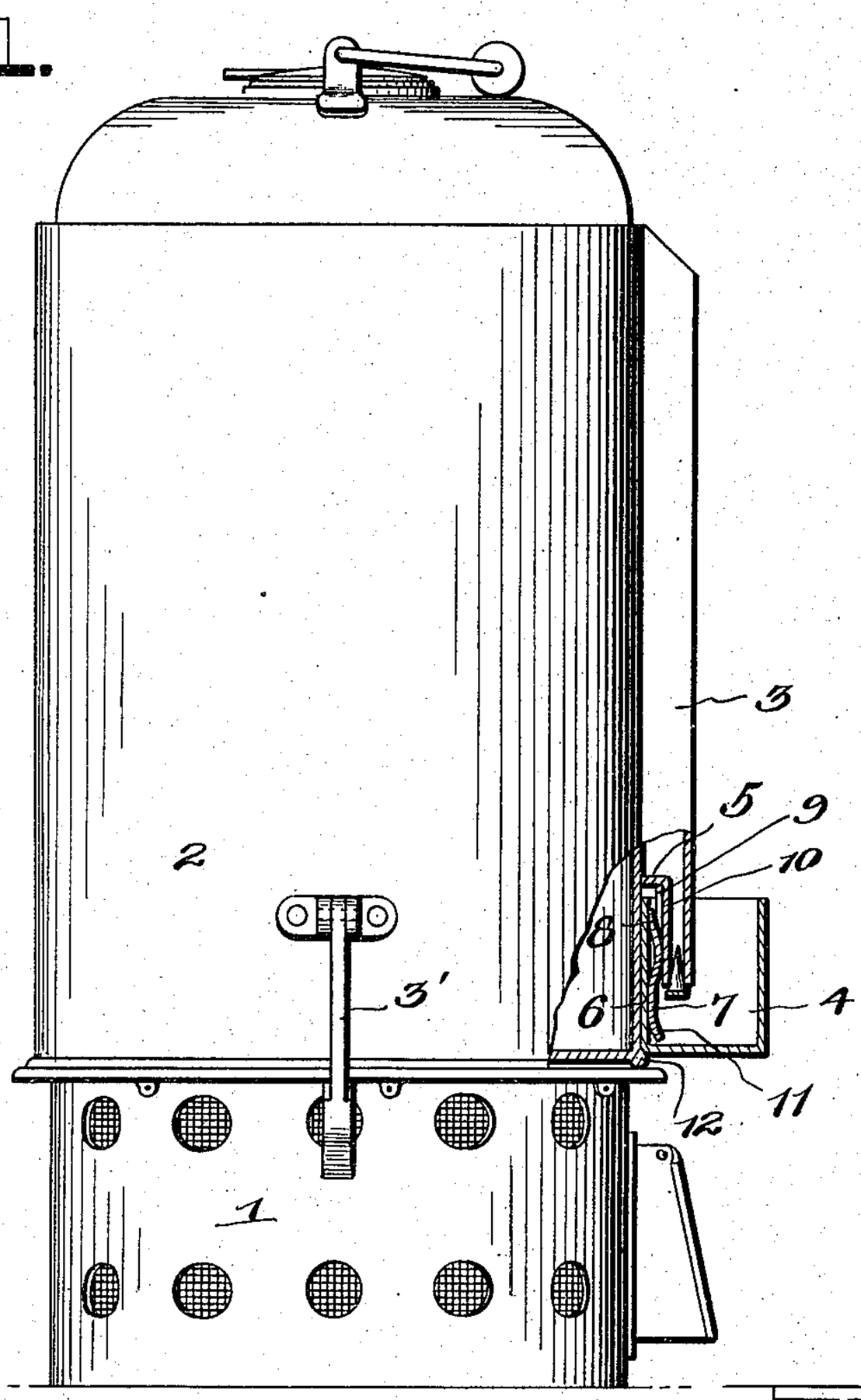


FIG. 1.

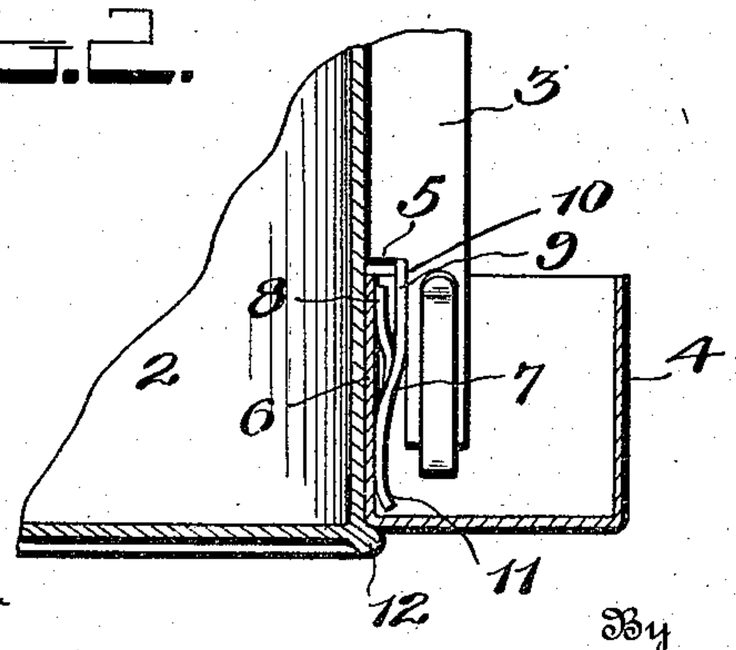


FIG. 2.

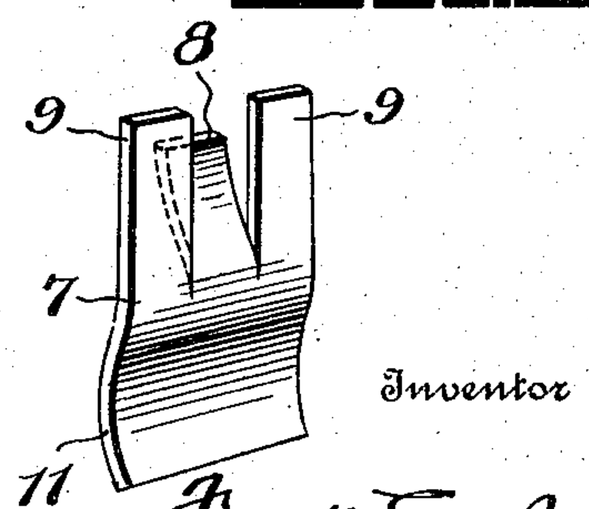


FIG. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

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DRINKING-FOUNTAIN FOR POULTRY.

1,167,056. Specification of Letters Patent. Patented Jan. 4, 1916.

Original application filed August 12, 1914, Serial No. 856,465. Divided and this application filed January 4, 1915. Serial No. 439.

To all whom it may concern:

Be it known that I, FRANK ENOS, Jr., a citizen of the United States, residing at Norwich, county of New London, and State of Connecticut, have invented certain new and useful Improvements in Drinking-Fountains for Poultry; and I do 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 certain new and useful improvements in drinking fountains for poultry, and relates more particularly to the drinking cup or trough.

The present invention is a division of an application filed August 12, 1914, Serial No. 856,465.

The primary object of the invention is to provide a drinking cup or trough which can be easily and quickly applied to and removed from the reservoir, to permit of cleansing of the same, and to also enable compact assemblage of the parts in packing for shipping or storage purposes.

A further object of the invention is to provide means of simple and economical structure for maintaining the drinking cup or trough in position on the reservoir.

In the drawings: Figure 1 is a side elevation of the invention, partly broken away and in section; Fig. 2 is an enlarged detail view, partly in section of the cup and securing means; and Fig. 3 is a detail perspective view of the spring which holds the cup in position.

Referring more particularly to the drawings, the heater is designated 1 and has a water reservoir 2 connected thereto by means of automatically operating gravity latches 3′.

An air duct 3 is connected to the tank or reservoir and has its lower end extending in the drinking cup or trough 4. The duct 3 is reduced at 5 to provide space for receiving the rear wall 6 of the cup 4, and to also receive a spring 7 of the form depicted in Fig. 3, which latter serves to secure the cup 4 in position. The spring 7 is provided with parallel slits and the material between the slits is bent to provide a central tongue 8 and a pair of end tongues 9.

The end tongues 9 are soldered at 10 to the duct 3 within the reduced lower end portion thereof, and the central tongue 8 which projects beyond the tongues 9, engages the rear wall 6 of the cup 4, as clearly depicted in Fig. 2 of the drawings. The tongues 9 at the ends of the spring, are disposed to the rear of the tongue 8, so that the tongue 8 forms one end of the spring and the opposite end of the spring being curved at 11 to be spaced from the tank 2, forms the other end of the spring, whereby it will be apparent that the ends of the spring are each spaced from the tank, permitting the entire spring throughout the length thereof to be free of engagement with the tank and to bear against the rear wall 6 of the cup, thus effectively holding the latter in position.

The base of the tank 2 has a rib 12 against or on which the bottom of the cup 4 rests and is supported against downward movement, since the spring acts to prevent outward movement of the cup in a lateral direction away from the tank.

The spring has its entire lower edge 11 bearing against the cup at points adjacent where the cup engages the rib 12, thus most effectively holding the cup against outward movement, while the spring tongue 8 by bearing against the cup wall 6 at the top of the latter, also assists in holding same against outward movement.

What is claimed is:

1. In combination with a water tank having a base rib, a drinking cup which seats on the rib, a duct leading from said tank into the cup and reduced at its lower end to provide a narrow space between said tank and duct, and a spring secured within this space to the wall of the duct and having oppositely disposed free parts which engage the rear wall of the cup to press the latter against the tank and hold the cup on the rib.

2. In combination with a water tank having a seat, a drinking cup engaged with

said seat, a spring to engage the cup to force the same against the tank, said spring having a central tongue and end tongues at its top, and means to engage the end tongues so as to allow the central tongue and the lower end of the spring to engage the cup.

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

FRANK ENOS, JR.

Witnesses:
H. H. WALKER,
E. J. CAMPBELL.