

J. H. HUNTER.
Agricultural Boiler.

No. 110,139.

Patented Dec. 13, 1870.

Fig. 1,

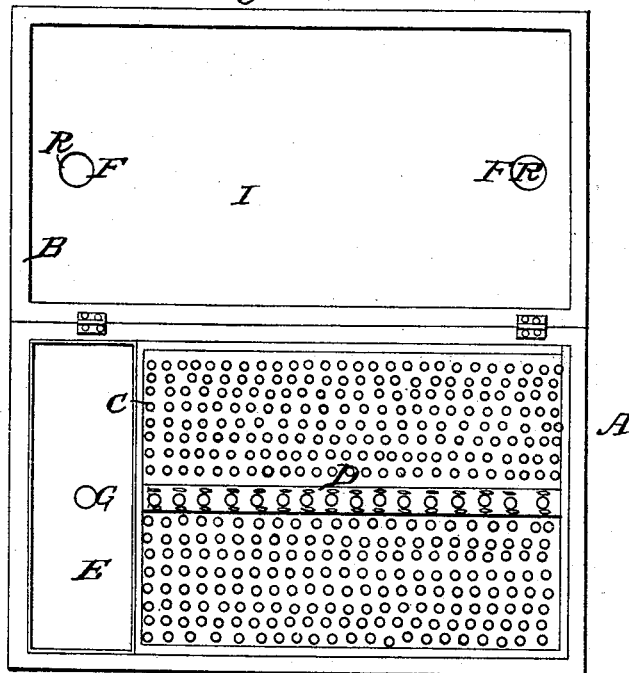


Fig. 2,

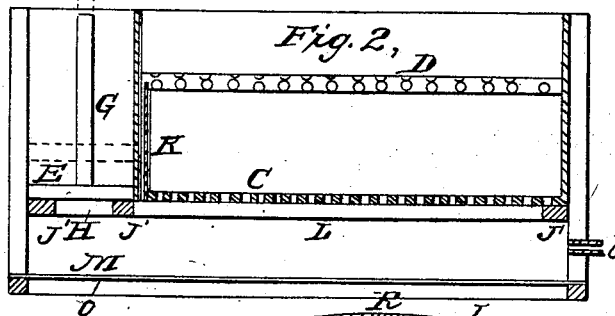
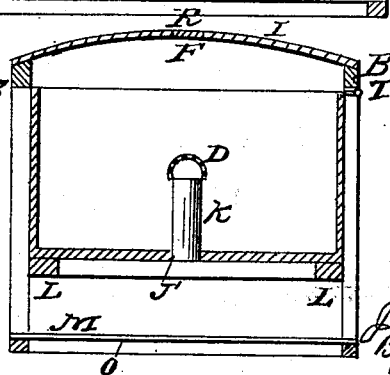


Fig. 3,



WITNESSES
Saml. S. S. S.
L. D. D.

INVENTOR
Joseph H. Hunter
By his attorney
G. L. Chapin

United States Patent Office.

JOSEPH H. HUNTER, OF PENNINGTON POINT, ILLINOIS.

Letters Patent No. 110,139, dated December 13, 1870.

IMPROVEMENT IN FARMERS' BOILERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom this may concern:

Be it known that I, JOSEPH H. HUNTER, of Pennington Point, in the county of McDonough and State of Illinois, have invented a new and useful Improvement in Farmers' Boilers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and letters marked thereon making a part of this specification, in which—

Figure 1 is a plan view of my improved boiler, with the lid open.

Figure 2, a longitudinal sectional elevation of the same.

Figure 3, a transverse section.

The object of the present invention is to provide more convenient means for boiling or steaming feed for stock; and

The nature is more clearly set forth as follows:

A represents an outer tank, which has its sides and ends made of wood, to the bottom of which is securely fastened a metal plate, M, resting over a suitable furnace or fire-box, O.

The top of the tank is provided with a cover or lid, B I, and to the middle part of the inside is fixed strips or bearings for the support of an inner tank, C, there being sufficient space between the bottom of the inner tank and the bottom of the outer one to hold a suitable supply of water for generating steam, as shown by the location of strips L J', figs. 2, 3.

The bottom of the inner tank C is perforated with holes, as shown in figs. 1, 2, so that steam may readily pass up through the feed, and in the central part of the said inner tank is placed a semicircular plate,

D, which is perforated with holes and used to convey steam to the central part of the feed, so that it may be all cooked alike.

The steam is conveyed to the part D by means of a box-pipe, K, which extends through the bottom of tank and communicates with the steam and water-chamber below the said tank, as shown at fig. 2.

The object of making the part D in the form of an inverted trough is that it may not fill up and prevent steam from penetrating the middle part of the feed, as is the case when such parts of the boiler have cylindrical forms. If, in the present construction, any feed falls through the holes in the part D, it will pass out of it as soon as the inner tank is emptied.

At the end of the inner and the outer tanks is a space, in which is placed a float, E G, by means of which the height of water in the bottom of the outer tank is shown, said float rising and falling with the water in the usual manner of such devices.

The lid or cover of the outer tank is provided with holes, F, and covered with some flexible substance, R, to allow a free escape of steam.

The water is drawn off by means of a stop-cock at b.

Having thus described my invention,

What I claim, and desire by Letters Patent, is—

The combination of the outer and inner tanks A C, water-indicator E G, strips L J', and steam-conductors, K D, constructed and arranged as set forth.

JOSEPH H. HUNTER.

Witnesses:

EDWARD DYER,

JOHN H. LAWSON.