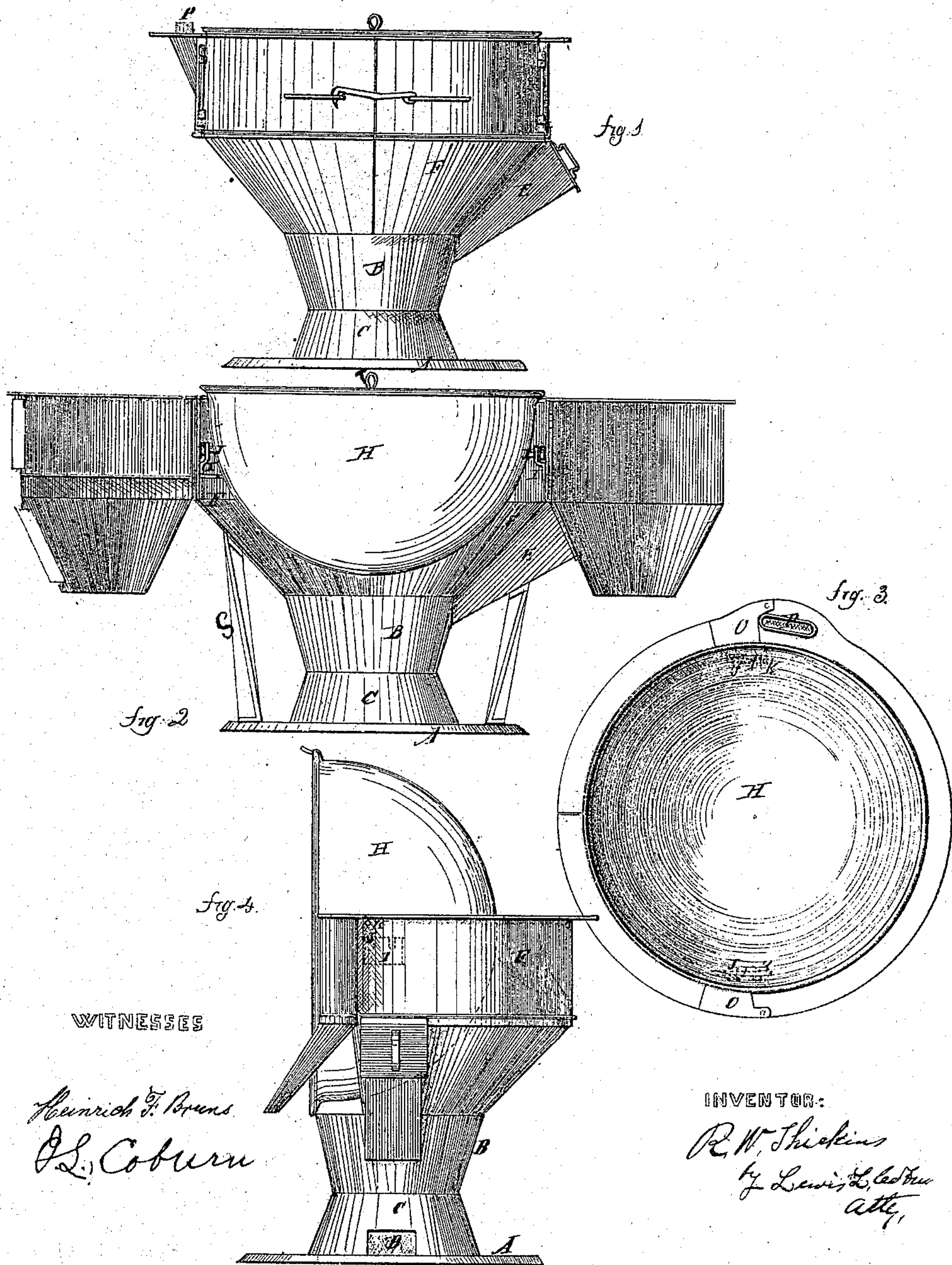


R. W. THICKINS.
FARMER'S BOILER.

No. 105,740.

Patented July 26, 1870.



United States Patent Office.

RICHARD W. THICKINS, OF BATAVIA, ILLINOIS, ASSIGNOR TO DAVID R. SPERRY.

Letters Patent No. 105,740, dated July 26, 1870.

FARMERS' BOILER.

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

I, RICHARD W. THICKINS, of Batavia, in the county of Kane and State of Illinois, have invented a new and useful Improvement in Farmers' Boilers, of which the following is a specification, reference being had to the accompanying drawing.

The Nature and Object of my Invention.

The first part of my invention relates to making the case or jacket, in which the kettle is supported, in vertical sections, for the purpose of removing it so that the kettle can be revolved for the purpose of emptying it of its contents without raising it from the case or jacket, and the second part relates to the method of hanging the kettle on trunnions or lugs in the case or jacket.

And my invention also relates to the braces S which brace the open case, and keep it from spreading when the kettle is being revolved, as hereafter described.

Description of Drawing.

Figure 1 is a side elevation of the farmers' boiler;

Figure 2, a side elevation with the adjustable section of the case or jacket swung back;

Figure 3, a top or plan view of the boiler; and

Figure 4, a side elevation of the boiler with the kettle revolved on its trunnions.

General Description.

A is the base of the boiler;

B is the fire-pot; and

C, the ash-space.

D is the opening or door to the ash-space, and

E, the feed-spout for feeding fuel into the fire-pot.

F is the case or jacket in which the kettle H is hung; it is made in vertical sections, as shown, the adjustable parts being hinged to the stationary part of the jacket.

I I are rests or bearings firmly secured to the jacket F, for the trunnions J of the kettle.

There are also stops K attached to the kettle that have a bearing on the rests or supports I. I usually place the trunnions J a little in front of the center of the kettle, so that, in revolving the kettle, less than half of it will swing below the trunnions on which it turns. When it revolves the stops K are raised from the rest I, as shown in fig. 4, and, in order that they may not strike against the top rim of the jacket F, I make the pieces O so that they can be swung back out of the way.

P is the smoke-pipe.

S are braces that brace or support the jacket F, to prevent it from spreading, and the heads on the trunnions J lock over the bearing I, and also serve to keep the jacket from spreading when the adjustable sections are removed.

T is an eye attached to the kettle, especially the large sized ones, for the convenience of being hitched to empty the kettle.

Claims.

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

1. The jacket F, made in sections, substantially as described, for the purposes specified.

2. The kettle H, hung on trunnions J, in the jacket or case F, substantially as described, for the purposes set forth.

3. The braces S, in combination with the open jacket or case F, when constructed substantially as described, for the purposes specified.

R. W. THICKINS.

Witnesses :

G. W. CLAPP,
BART. SHENY.