J. L. SCOTT.

PLATE HEATER.

APPLICATION FILED FEB. 2, 1922.

1,429,783. Patented Sept. 19, 1922.

Fig. 1.

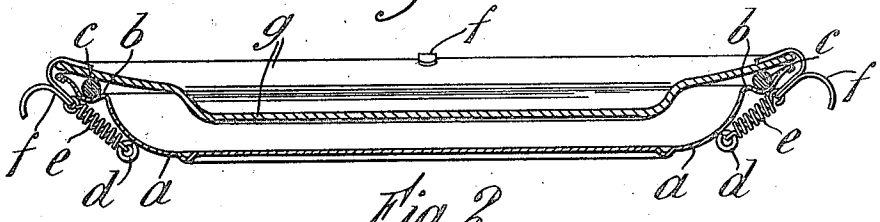
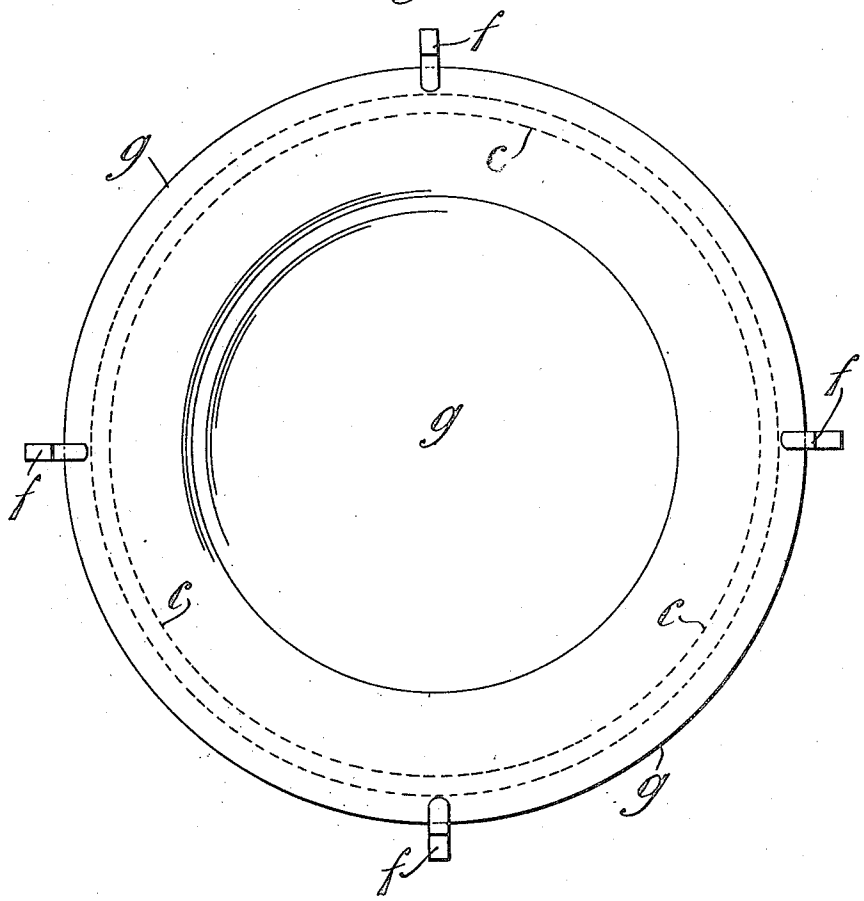


Fig. 2.



INVENTOR

JOHN LINDSAY SCOTT,

By his Attorneys,

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Patented Sept. 19, 1922.

1,429,783

UNITED STATES PATENT OFFICE.

JOHN LINDSAY SCOTT, OF LONDON, ENGLAND.

PLATE HEATER.

Application filed February 2, 1922. Serial No. 533,640.

To all whom it may concern:

Be it known that I, JOHN LINDSAY SCOTT, a subject of the King of Great Britain, residing at 9 Harrington Court, London, England, have invented new and useful Improvements in Plate Heaters, of which the following is a specification.

The object of this invention is to provide a heater for plates which is more durable than a hot-water plate as at present used. The heater also is more sightly, in that a plate of the set in use can be heated, besides which the plate and heater can be more easily cleaned.

According to this invention the heater consists of a shallow vessel preferably of metal, having a flange running around its upper edge in which flange is a groove adapted to receive a rubber ring which may be hollow. On the outside of the vessel are secured two or more springs having at their free ends clips of such dimensions that they engage the edge of a plate.

When using the heater, the vessel is filled with hot water and a plate is placed upon the flange at the top of the vessel. The clips are then forced over the edge of the plate, and the springs attached to the clips cause the bottom of the plate to press against the india-rubber tube or ring.

The annexed drawing illustrates a plate heater made in accordance with this invention, Figure 1 of which is a section and Figure 2 a plan.

A shallow vessel *a* has a flange *b* running around its upper edge and in the flange *b* is a groove having in it a rubber ring *c*. To the side of the vessel *a* are fixed eyelets *d* and to the eyelets are secured springs *e*. The springs *e* are attached to clips *f* which pass over the edge of a plate *g* and secure the plate to the vessel *a*, the bottom of the plate being pressed against the india-rubber ring *c*. A watertight joint is thus made between the vessel *a*, the ring *c* and the plate *g*, and all leakage of water is prevented.

What I claim is:—

1. A plate heater consisting of a vessel having a flange running around its upper edge, a groove in the flange, a rubber ring in the groove, and means for securing a plate so that its under side is pressed against the india-rubber ring.

2. A plate heater consisting of a vessel having a flange running around its upper edge, a groove in the flange, a rubber ring in the groove, springs secured to the vessel and clips adapted to engage the plate attached to the springs.

In testimony that I claim the foregoing as my invention I have signed my name this 3rd day of January, 1922.

JOHN LINDSAY SCOTT.