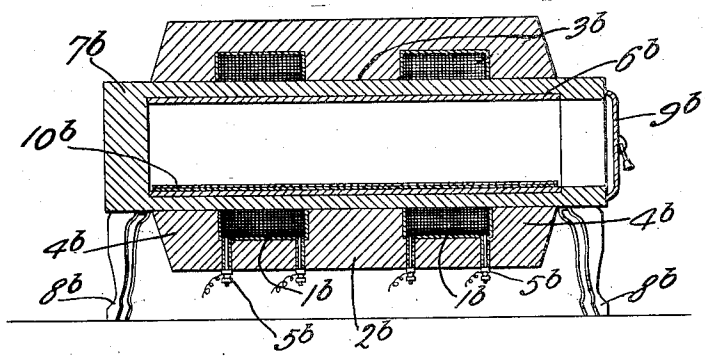
LE ROY L. PONTIUS.

ELECTRIC OVEN.

APPLICATION FILED DEC. 13, 1915.

1,282,933. Patented Oct. 29, 1918.



Witnesses

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UNITED STATES PATENT OFFICE.

LE ROY L. PONTIUS, OF CHICAGO, ILLINOIS.

ELECTRIC OVEN.

1,282,933. Specification of Letters Patent. Patented Oct. 29, 1918.

Application filed December 13, 1915. Serial No. 66,578.

To all whom it may concern:

Be it known that I, LE ROY L. PONTIUS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Electric Oven, of which the following is a specification.

The present invention appertains to electric heating units, and aims to provide a novel and improved electric oven.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

The invention is illustrated in the accompanying drawing, wherein the figure is a longitudinal section of the oven.

The diamagnetic heat-resisting insulation 7^b forms the oven proper, which is elongated, and is provided at its open end with a door 9^b, and the oven 7^b is lined with the secondary 6^b in which the secondary current is induced. The secondary extends from the closed end of the oven to a point near its open end. One or more primary windings 1^b surround or are wound on the oven 7^b, and are inclosed by the core 2^b which has portions 3^b fitting between the primary windings 1^b and portions 4^b overlapping the remote sides of the primary windings, said portions 3^b and 4^b extending to and embracing the oven 7^b to hold the core in place.

The oven 7^b is supported by suitable legs 8^b attached to its ends, and the core 2^b has binding posts 5^b to which the ends of the primary windings are connected. One or more sheets or plates 10^b can be disposed upon the bottom of the lining 6^b to vary the induced current, so that the heat can be regulated.

Having thus described the invention, what is claimed as new is:

An electric heating unit, including a core, a receptacle insertible in the core and having its ends projecting therebeyond, and means engaging the projecting ends for supporting the receptacle and core and retaining the core in place upon the receptacle.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

LE ROY L. PONTIUS.

Witnesses:
TILDA QUILLIN,
BENJ. H. MUNCIE.