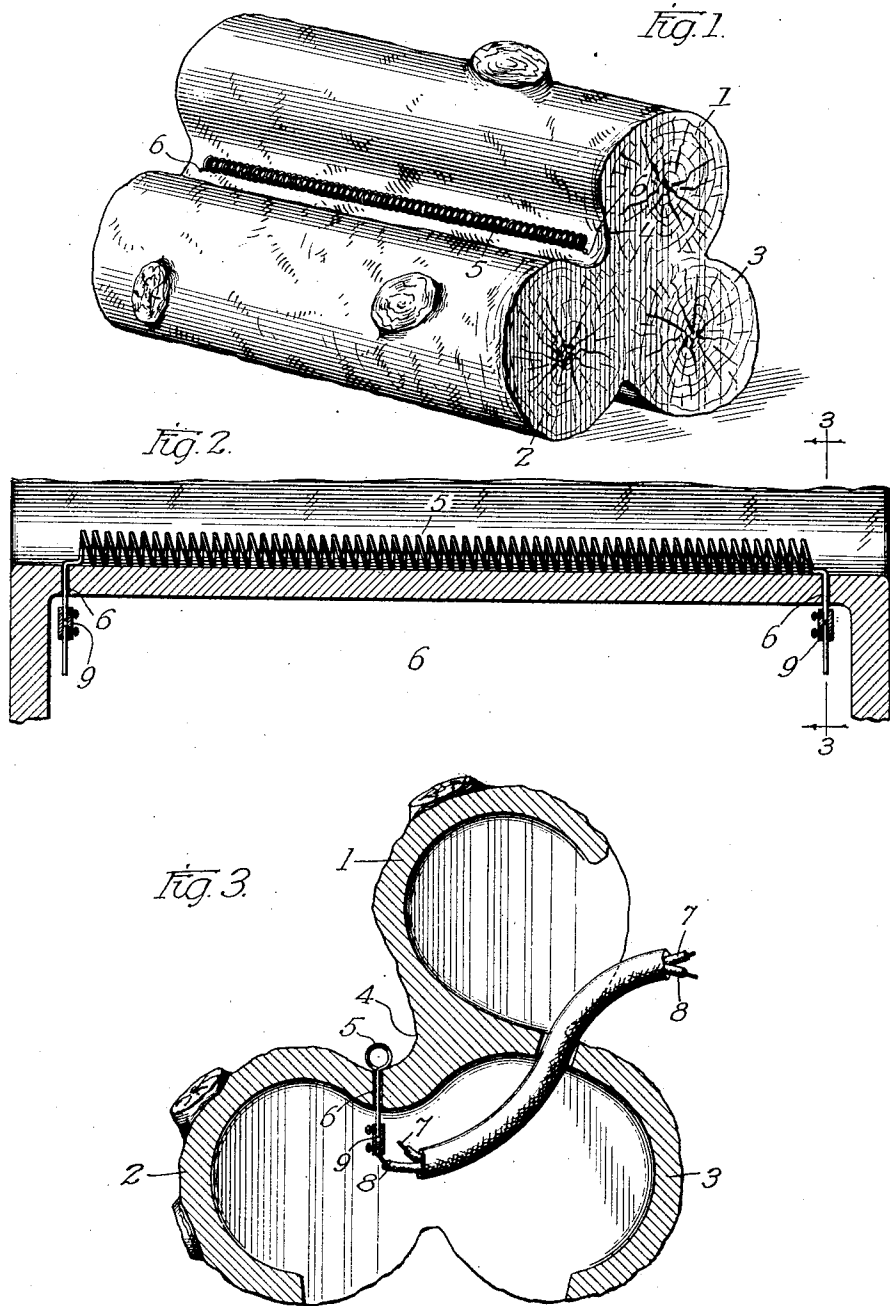


J. J. VETTER AND C. W. HANSEN.
ELECTRIC HEATER.
APPLICATION FILED MAR. 31, 1920.

1,404,497.

Patented Jan. 24, 1922.



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ELECTRIC HEATER.

1,404,497.

Specification of Letters Patent. Patented Jan. 24, 1922.

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To all whom it may concern:

Be it known that we, JOHN J. VETTER and CARL W. HANSEN, citizens of the United States, respectively residing at New Brunswick and Perth Amboy, in the county of Middlesex and State of New Jersey, have invented new and useful Improvements in Electric Heaters, of which the following is a specification.

10 This invention relates to electric heaters.

An object of the invention is to produce an electric heater which will have the appearance of an open wood fire.

15 To accomplish this object of the invention the electric heater has a support for the resistance element, which support represents a cluster of logs.

20 Another object is to provide an electric heater of this type in which the glowing resistance element is visible.

Another object is to produce an electric heater of this type which serves as a source of light as well as heat.

25 Another object is to produce an electric heater of this type of pleasing appearance.

Another object is to produce a heater of this type in which the resistance element is so mounted that it presents a continuous glow from end to end.

30 Other objects and advantages will appear from the description and claims.

One embodiment of the invention is illustrated in the accompanying drawings but these are for the purpose of illustration only, for it is obvious that many embodiments thereof may be made by and will readily occur to those skilled in the art.

In the drawings;

40 Fig. 1 is a perspective of an electric heater in which the support for the resistance element represents a cluster of logs.

Fig. 2 is a vertical section through the front log of Fig. 1 taken immediately in front of the resistance element; and

45 Fig. 3 is a vertical section on line 3—3 of Fig. 2.

The electric heater comprises a support formed of terra-cotta or other suitable material to represent a cluster of three logs, 50 1, 2 and 3. These logs are hollow, and are closed at their ends. The upper log is open

at the back and the two lower logs are open at the bottom. The front of this support is provided with a longitudinal groove 4 extending throughout the length thereof. 55

A resistance element 5 is positioned within the groove 4 and extends through the length thereof. This resistance element takes the form of a coil which may rest in the bottom of the groove. Each end of the 60 resistance wire 5 may extend through an aperture 6 in the bottom of the groove. Conductors 7 and 8 extending to a suitable source of current supply may be connected with the respective terminals of the resistance 65 coil by means of sleeve terminals 9. These conductors extend through an opening 10 provided in the upper wall of the log 3.

The resistance coil 5 is plainly visible throughout its length and when connected 70 with the source of current it presents a continuous glow throughout the length of the cluster of logs. This electric heater not only furnishes heat but also furnishes light.

What is claimed is: 75

1. An electric heater comprising a support representing a cluster of logs, said support having a groove in the front face thereof, and a continuously spiraled resistance element positioned in the bottom of said 80 groove and extending substantially throughout the length of the support.

2. An electric heater comprising a support representing a cluster of logs, said support having a single groove in the front 85 face thereof, and a resistance element forming a continuous helix resting on the bottom of said groove and extending through the length thereof.

3. An electric heater comprising a cluster 90 of logs formed of terra-cotta, said cluster having a groove in the front face thereof, a helical resistance element extending continuously from one end of the groove to the other and lying on the bottom of said groove, 95 and terminals for the resistance element by which the latter is connected with the source of current.

In witness whereof, we have hereunto subscribed our names.

JOHN J. VETTER.
CARL W. HANSEN.