April 28, 1953 O. MULLER 2,636,973

RADIANT HEATER

Filed June 19, 1950

Fig. 1

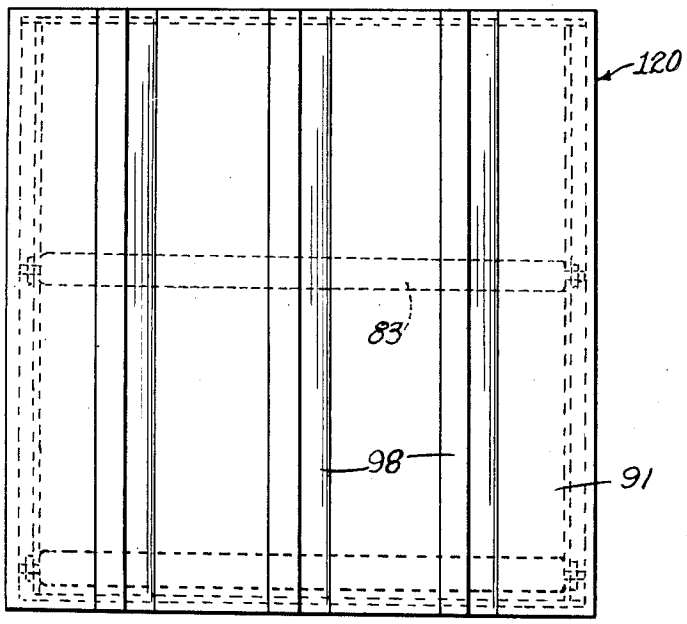
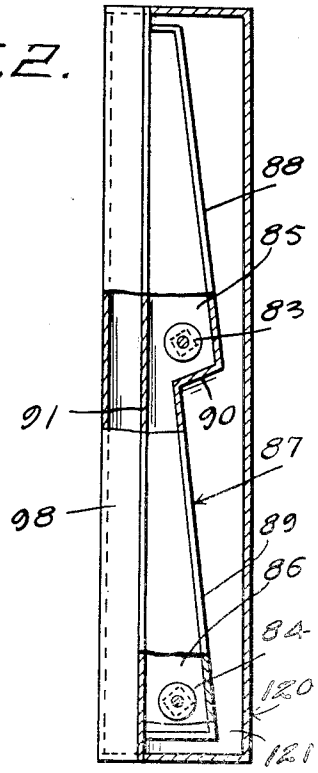


Fig. 2.



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RADIANT HEATER

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1 Claim. (Cl. 219—34)

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This invention relates to electric radiant heaters.

An object of this invention is to provide a heater of the radiant type which can be used either as a stationary heater or as a portable heater.

This invention will provide an improved radiant heater embodying an electric heater unit formed of electric heating wires embedded in a radiant element with a reflector plate at the rear of the radiant element and a heat insulating chamber which insulates the back side of the reflector plate.

With the above and other objects in view, my invention consists in the arrangement, combination, and details of construction disclosed in the drawings and specification, and then more particularly pointed out in the appended claim.

In the drawings:

Figure 1 is a detailed front elevation of a radiant heater constructed according to an embodiment of this invention.

Figure 2 is a detailed side elevation partly broken away and in section of this invention.

Referring to the drawing, the numerals 83 and 84 indicate radiant heatings members which are disposed in chambers 85 and 86 which are formed by offsetting a rear baffle plate generally designated at 87. The baffle plate 87 includes upper and lower parallel plates 88 and 89 connected together by a downwardly and forwardly directed connecting member 90. A radiant panel 91 is secured to the forward side of the baffle 87 and is formed of vertically fluted members 98. These vertically fluted members 98 comprise diffusing means for diffusing the radiating heat which is radiated by the panel 91. A

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housing 120 encloses the baffle 87 and forms an air space 121.

What is claimed is:

A radiant heater comprising a housing formed of front and rear walls spaced from each other and secured together, a baffle between said front and rear walls formed of parallel wall members inclined to the vertical, a connecting wall connecting said wall members together and upper and lower closure walls connecting said parallel wall members to said front wall to form a pair of chambers, and a horizontally disposed heating element extending transversely across the bottom of each chamber, said front wall being longitudinally fluted and having a heat reflecting characteristic, the flutings of said front wall diffusing the reflected heat.

OTTO MULLER.

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