

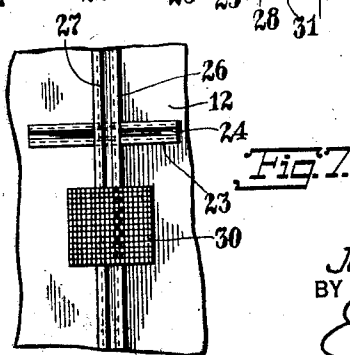
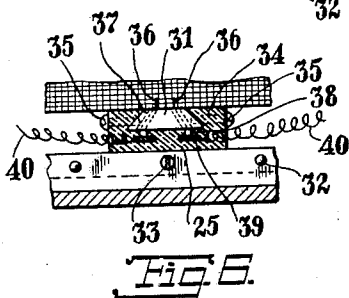
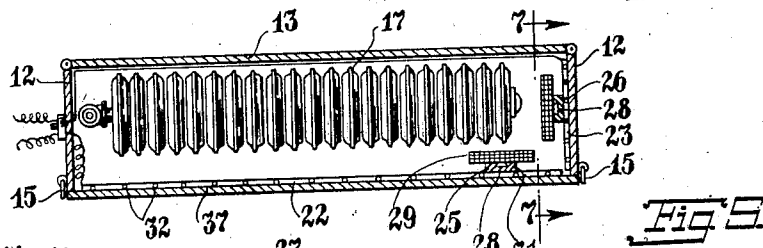
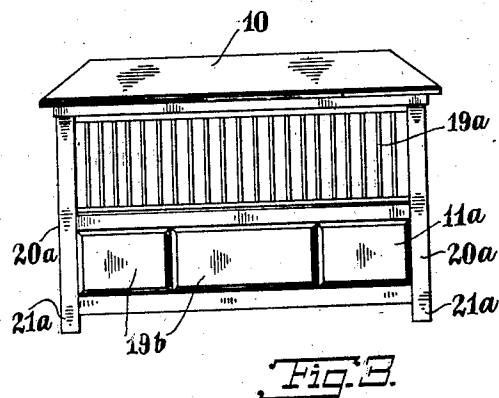
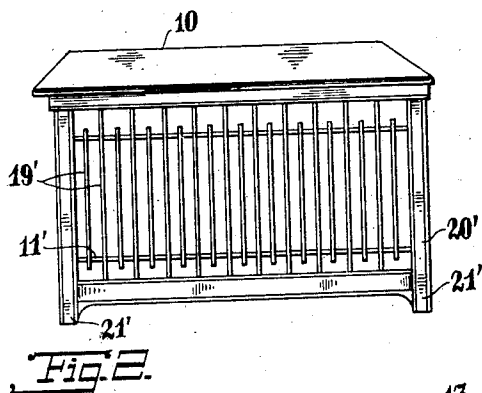
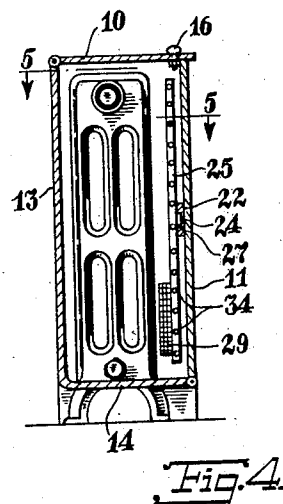
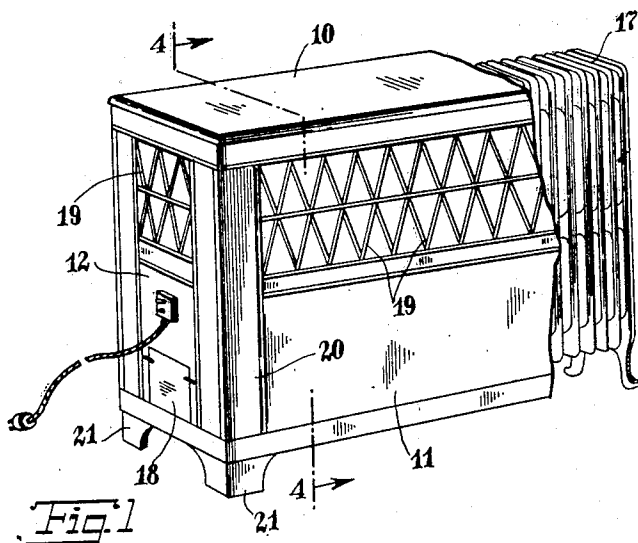
Aug. 14, 1928.

1,681,114

J. L. GORDON

RADIATOR COVER AND ELECTRIC HEATER

Filed Feb. 10, 1928



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Patented Aug. 14, 1928.

1,681,114

UNITED STATES PATENT OFFICE.

JULIUS L. GORDON, OF BROOKLYN, NEW YORK.

RADIATOR COVER AND ELECTRIC HEATER.

Application filed February 10, 1928. Serial No. 253,299.

This invention relates generally to radiators, and has more particular reference to a combination radiator cover and electrical heater.

5 The invention has for an object the provision of a device of the class mentioned, which is of simple durable construction desirable and efficient in action, and which can be manufactured and sold at a reasonable
10 cost.

The device may be adapted to all types of radiators. On cool and chilly days, and other periods in which the radiators are not in operation, substitute heat may be obtained by energizing the electrical heaters. The radiator cover consists of a back member, side members and a top member. These various members are neatly designed for ornamental appearances, and at desirable
20 points are provided with openings for the passage of air. Electrical heating elements are attached within the radiator cover, preferably on the side members. The heating elements may be adjustably mounted so as
25 to be movable to different parts of the device.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

30 Referring to the accompanying drawing, forming a material part of this disclosure:—

Fig. 1 is a perspective view of a radiator constructed according to this invention, a portion of the cover being broken away to
40 illustrate a radiator therein.

Fig. 2 is a perspective view of a radiator cover of modified form.

Fig. 3 is another perspective view of a radiator cover of further modified form.

45 Fig. 4 is a vertical sectional view taken on the line 4—4 of Fig. 1.

Fig. 5 is a horizontal sectional view, taken on the line 5—5 of Fig. 4.

Fig. 6 is an enlarged fragmentary detail
50 view of Fig. 5.

Fig. 7 is a fragmentary view of the inner side of one of the ends of the cover, taken on the line 7—7 of Fig. 5.

55 The reference numeral 10 indicates generally a top member of a radiator cover having a front side member 11, end side mem-

bers 12, rear side members 13, and a bottom member 14. The top member 10 is pivotally connected at its rear edge to the top edge of the rear side member 13, the end side
60 members 12 are pivotally connected to the ends of the rear side members 13, and the front side member 11 is pivotally connected to the bottom member 14. Hook members 15 serve to hold the front member 11 to the
65 end members 12, and a screw 16 holds the top member 10 to the front member 11. The numeral 17 indicates a radiator.

One of the end side members 12 has a door 18 so that the valve of the radiator 17
70 may be easily reached. The front and end side members 11 and 12, respectively are formed with inclined cross rods 19, serving as ornamentation and to provide air
75 passage, and also these members are provided with vertical corner bar 20, and feet 21.

Fig. 2 illustrates a modified front side member 11' having ornamental vertical
80 bars 19' providing air passages, and corner bars 20', and feet 21'.

Fig. 3 illustrates a further modified front side member 11^a having ornamental vertical
85 bars 19^a providing air passages, panels 19^b corner bars 20^a, and feet 21^a.

Horizontal bars 22 and 23 with dove
85 tailed grooves 24, are attached to the inner side of the front member 11 and end member 12, respectively. Vertical bars 25 and 26 have dove tailed tongues 27 engaging
90 grooves 24, and dove tailed grooves 28.

Electric heating units 29 and 30 have dove-tailed tongues 31 engaging the grooves 28. The bars 22 and 23 are formed with a plurality or apertures 32 and screws 33 pass
95 thru these apertures and threadedly engage tongues 27 to lock the vertical bars 25 and 26 relative to the bars 22 and 23. The bars 25 and 26 are formed with a plurality of apertures 34 and screws 35 pass thru these apertures and threadedly engage tongues 31
100 to lock the heating units 29 and 30 relative to the bars 25 and 26.

The leads 36 from the heating units pass thru insulators 37 in the tongues 31, and connect with contact arms 38 engaging
105 against rails 39 within the vertical rods, and loose flexible leads 40 connect with the rails 39, and with some source of electrical power.

In operation, when the radiators are shut
110 off, the heating units 29, 30 may be energized to supply heat. The cover 10 may be raised,

and the side members swung open about their pivots, so that the screws 33 and 35 may be reached, and the positions of the heating units adjusted to any of the parts
 5 of the side members, so as to throw heat from portions desirable in particular cases, as for example towards a desk standing at one side of the device.

While I have shown and described a preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of
 15 the invention as defined in the appended claims.

Having thus described my invention, what I claim as new and desire to secure by United States Letters Patent is:—

20 1. A combined radiator cover and electrical heater, comprising a radiator cover having a top member, a bottom member and side members, and electrical heaters attached to the side members.

25 2. A combined radiator cover and electrical heater, comprising a radiator cover having a top member, a bottom member and side members, and electrical heaters attached to the side members, said side members being
 30 of ornamental construction and provided with air passages.

3. A combined radiator cover and electrical heater, comprising a radiator cover having a rear side member attached to a
 35 bottom member, a top member pivotally connected to the rear side member, a front side member pivotally connected to the bottom

member, and end side members pivotally connected to the rear side member, and electrical heaters mounted on the side members. 40

4. A combined radiator cover and electrical heater, comprising a radiator cover having a rear side member attached to a bottom member, a top member pivotally connected to the rear side member, a front side
 45 member pivotally connected to the bottom member, and end side members pivotally connected to the rear side member, and electrical heaters adjustably mounted on the side members, one of the end side members being
 50 provided with a door reaching the valve of a radiator.

5. In a device of the class described, a radiator cover, comprising a rear side member, a bottom member, a top member, a front
 55 side member and end side members connected so as to be movable to expose the inner sides, horizontal bars with dove-tailed grooves attached to the inner sides of the certain of the side members, and vertical
 60 bars having dove tailed tongues engaging in said dove tailed grooves, and also dove tailed grooves for engagement by dove tailed tongues of electrical heating units, as a means for adjustably positioning the electric
 65 heating units, and the said bars being provided with apertures engageable by screws engaging the heating units, as a means for holding the heating units in adjusted
 7 positions.

In testimony whereof I have affixed my signature.

JULIUS L. GORDON.