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RADIATOR COVER

Filed March 20, 1926

Fig. 1.

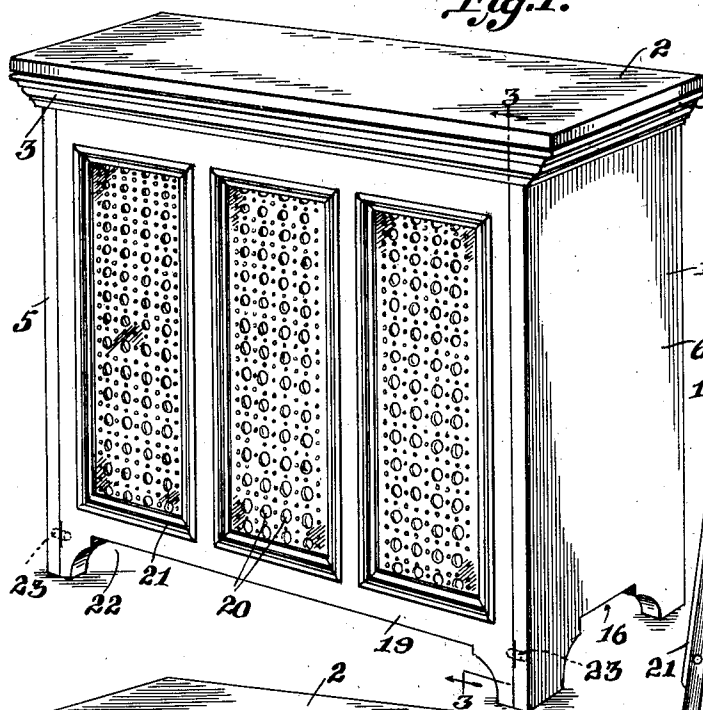


Fig. 3.

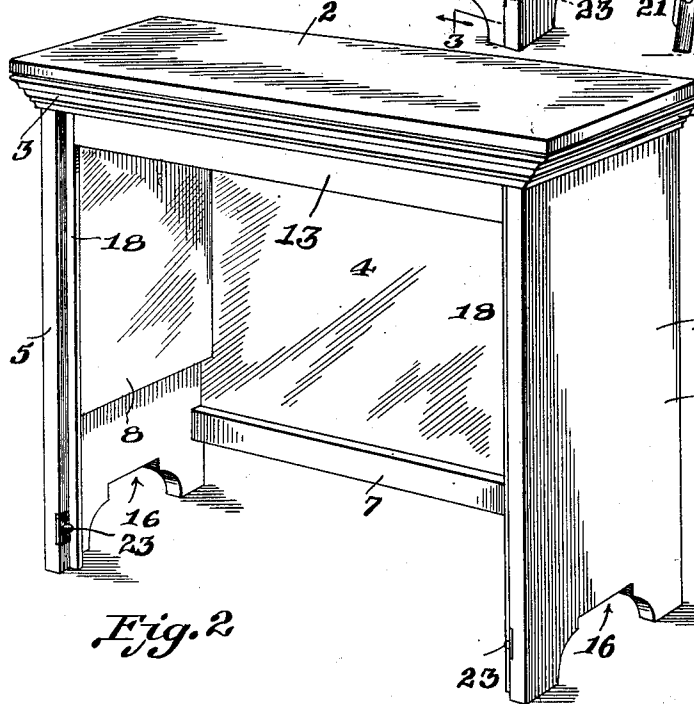
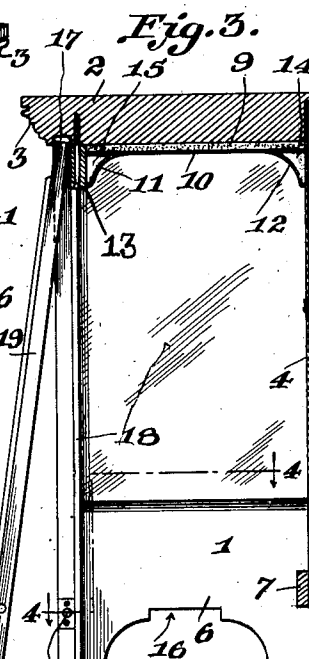


Fig. 4.

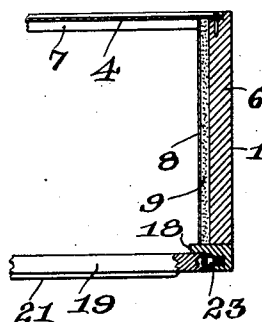


Fig. 2

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RADIATOR COVER.

Application filed March 20, 1926. Serial No. 96,282.

This invention relates to improvements in radiator covers.

An object of the invention is to provide means for encasing radiators which will cause the air currents set up by heat radiation to travel away from the wall toward the center of the room.

Another object is to provide a radiator cover which enables ready access to be had to the radiator for cleaning and repairs. Other objects and advantages will hereinafter appear.

The novel features of the invention will appear from the detailed description taken in connection with the accompanying sheet of drawings forming part of this specification.

In the drawing,

Fig. 1 is a perspective view of the cover.

Fig. 2 is a perspective showing the front removed from the casing.

Fig. 3 is a transverse vertical sectional view taken along lines 3—3 of Figure 1.

Fig. 4 is a horizontal sectional fragmentary view of the securing means taken on the line 4—4 of Figure 3.

The cover is indicated in the drawing generally by the numeral 1, and comprises a top 2 having a series of mouldings, 3, a back 4 and sides 5 and 6. The back is preferably formed of metal and has a reinforcing strip 7 at the lower side thereof. The sides 5 and 6 are partly covered with a metal lining 8 spaced therefrom so as to accommodate asbestos or other insulation therebetween. The under surface of the top has secured thereon a layer of asbestos or other insulating material 9. Covering this insulating material is a metal lining and deflector 10, the front and back edges of which are curved downwardly as shown at 11 and 12. The part 12 is connected to the back while the part 11 is connected to a strip 13 secured to the under side of the top along the front of the casing. It will be observed that the curved parts 11 and 12 form with the adjacent parts of the casing dead air spaces 14 and 15 so as to provide better insulation. A

further function of the parts 11 and 12 is to form a deflector for the hot air so as to throw the same in a forward direction. The sides 5 and 6 are provided near the bottom with cold air vents 16, while the back only extends downwardly as far as the strip 7, thereby forming another opening or vent for the cold air. The underside of the top is provided with a groove 17 and the sides have beads or flanges 18 into and against which the front cover for the casing is adapted to fit and bear. The front cover 19 has a plurality of openings 20 in which metallic cane or other foraminous panels are adapted to be arranged and held in place by beading 21. The lower side of the cover is cut away at 22 to provide a cold air vent. In placing the cover in the casing the top edge thereof is inserted in the groove 17 and the cover is then swung downwardly so as to bear against the flanges 18. The lower part of the cover may be held in place by double acting spring catches 23.

Having thus fully described my invention I claim:—

A radiator cover comprising a rectangular top; two sides fixed, at one end of each, to said top at the opposite ends thereof, and having their free ends recessed to form feet adapted to rest on a floor; a cross brace parallel to said top and spaced above the recessed ends of said sides and having its opposite ends fixed to the rear edges of said sides; a back fixed to said brace and the rear edge of said top; said sides having their opposed faces similarly rabbeted at their front edges to form a seat for a removable front, and the top having a groove in its lower face of the same width as the rabbets in said sides; a front, of the same thickness as the width of said groove and rabbets, removably positioned with its top in said groove and with its sides seated in said rabbets and having its bottom end recessed to form feet adapted to rest on said floor when the front is seated in said groove and rabbets.

In testimony whereof I affix my signature.
CHARLES F. DUGGINS.