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R. L. MORRELL

RADIATOR COVER

Filed Feb. 4, 1924

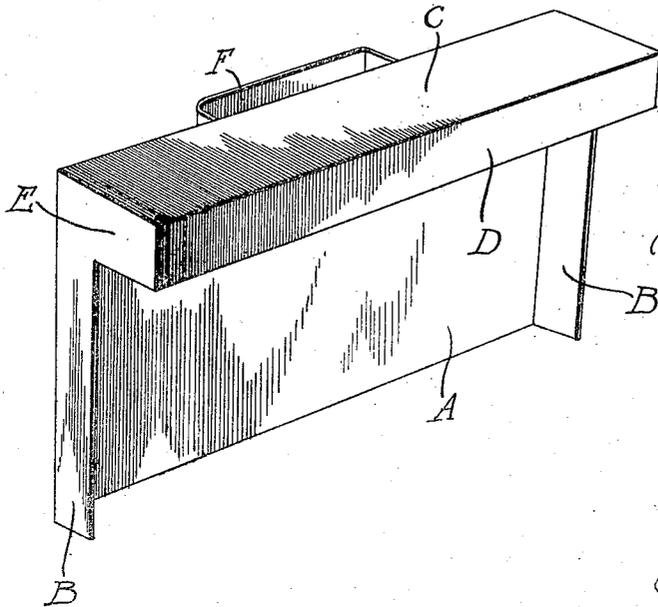


Fig. 3

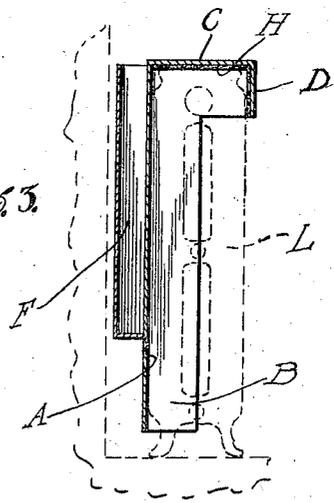
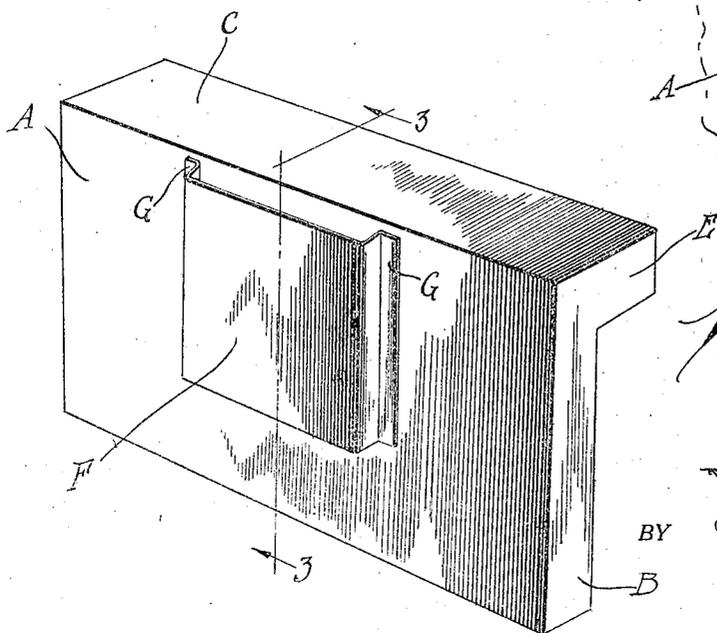


Fig. 2



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REGINALD LISTER MORRELL, OF CHICAGO, ILLINOIS,

RADIATOR COVER.

Application filed February 4, 1924. Serial No. 690,577.

To all whom it may concern:

Be it known that I, REGINALD L. MORRELL, a subject of the King of England, and a resident of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Radiator Covers, of which the following is a full, clear, and exact description.

My invention relates to improvements in covers for radiators, and it consists in the combinations, constructions, and arrangements herein described and claimed.

An object of my invention is to provide a device which is inexpensive to manufacture, but which requires no adjustment on the radiator.

A further object of my invention is to provide a one-piece cover and humidor which may be instantly placed in position over the radiator, and which will protect a wall from the dust occasioned by the air arising from the heated radiator coils.

A further object of my invention is to provide a device of the type described, having as a part of its construction a flat top which gives the construction a finished appearance, and permits articles to be placed on the top, if desired.

Other objects and advantages will appear in the following specification, and the novel features of the invention will be particularly pointed out in the appended claim.

My invention is illustrated in the accompanying drawings, forming part of this application, in which—

Figure 1 is a perspective view of one embodiment of my invention as seen from the front.

Figure 2 is a perspective view as seen from the rear, and

Figure 3 is a section along the line 3—3 of Figure 2.

In carrying out my invention, I make use of a single sheet of metal which is bent and then soldered or otherwise secured at its edges. In Figure 1, the back of the cover is shown at A. It will be noted that at the ends are forwardly extending end pieces B. The top C is provided with a front downwardly extending flange D. The end pieces B have extensions E, the edges of which are secured to the ends of the top C and the flange D.

On the rear of the back A is a pan formed preferably by a U-shaped body portion F, having flanges G preferably soldered to the back, so as to be water-tight. The upper end of the pan, as will be seen, is just below the top C. A heat insulating lining H is provided on the under portion of the top C and the inner side of the flange D to prevent overheating of these parts, and for obviating the danger of burns by coming in contact with them.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood. The cover is made in sizes to fit radiators of definite size. In applying the cover, all that is necessary to do is to slip the back portion behind the radiator and lower the device, so that the front flange D overhangs the top of the radiator L, as shown in Figure 3. In other words, this device fits the radiator as a hat would fit a man's head.

It will be seen that it requires no adjustment whatever, since the cover is made to fit the radiator. The pan for holding water is in a position in which it is virtually concealed. The cover prevents the blackening of the wall, due to the movement of the dust in the air currents occasioned by the heated air passing over the coils. The top and flange D form a protective means which tends to deflect the current of air forwardly, and at the same time preventing burns which might arise from an overheated radiator, were not the heat insulating lining present. The end portions B, as well as the flange D aid in strengthening the device, as well as deflecting the currents of heated air toward the forward part of the radiator.

I claim:

A radiator cover comprising a single sheet of metal, including a back portion, integral end portions, and an integral box-like top portion connected with said end portions and arranged to fit over the top of a radiator, and a water pan having a side, a bottom and end portions, said end portions and said bottom portion being secured to the back of the radiator cover below the top edge thereof.

REGINALD LISTER MORRELL.