C. M. BERRY.

RADIATOR CASING.

APPLICATION FILED SEPT. 6, 1921.

1,436,853. Patented Nov. 28, 1922.

Fig. 2.

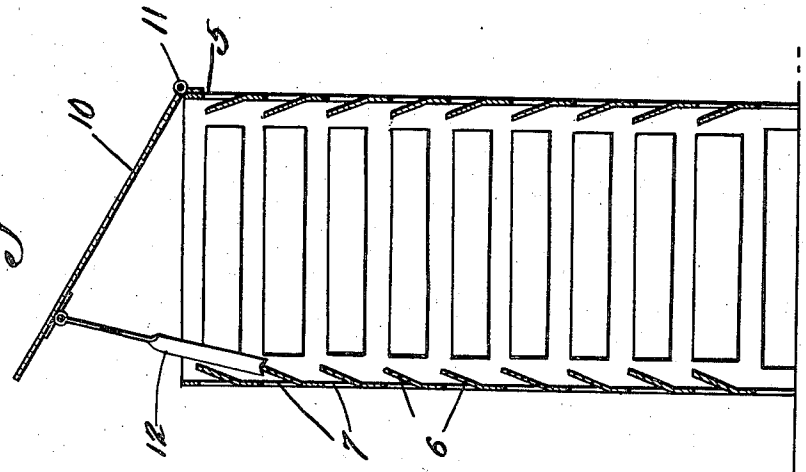
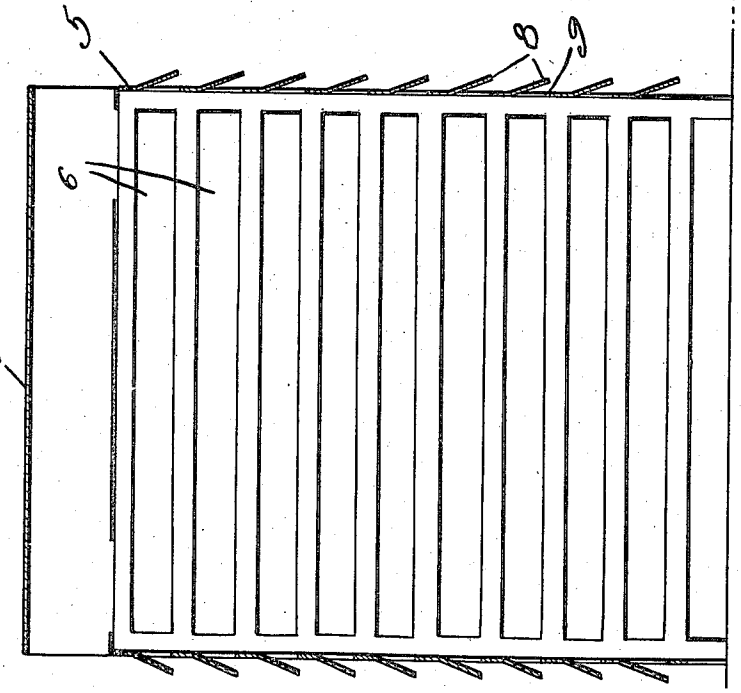


Fig. 1.



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Patented Nov. 28, 1922. 1,436,853

UNITED STATES PATENT OFFICE.

CHARLES M. BERRY, OF KINGSTON STATION, PENNSYLVANIA.

RADIATOR CASING.

Application filed September 6, 1921. Serial No. 498,836.

To all whom it may concern:

Be it known that I, CHARLES M. BERRY, a citizen of the United States, residing at Kingston Station, in the county of Luzerne and State of Pennsylvania, have invented a new and useful Radiator Casing, of which the following is a specification.

This invention relates to a novel form of heat distributing device, the primary object of the invention being to provide means to insure a uniform distribution of the heat of a radiator, throughout the area of a room in which the same is positioned.

Another object of the invention is to provide means for regulating the passage of the heat through the distributing device, thereby rendering the device capable of forcing the heat laterally from the radiator when it is desired to quickly heat the room in which the device is positioned.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawings:—

Figure 1 is a vertical sectional view through the heat distributor.

Figure 2 is a transverse sectional view showing the adjustable cover as in its raised position.

Referring to the drawing in detail, the device comprises a rectangular body portion 5 which is of a size to house a radiator or similar heating device over which the same is positioned.

The body portion is formed preferably of sheet metal and has flanges 6 or blades stamped from the side walls of the device, the blades extending inwardly and upwardly to create a circulation of air through the body portion so that fresh air will mingle with the heat radiating from the radiator, and become heated.

Openings 7 are formed when the blades 6 are stamped from the side walls of the device, which openings provide communication between the interior of the body portion and the atmosphere. Blades 8 are stamped from the end walls of the body portion, the blades 8 extending downwardly and outwardly to create a draft through the body portion from the ends thereof, there being provided openings 9 through which the air entering the body portion may pass.

An adjustable cover 10 forms a part of the device, the cover being connected to the body portion as by means of the hinges, 11, thereby permitting the cover to be moved to various angles with respect to one end of the body portion to direct heat from the body portion.

A supporting arm 12 has hinged connection with the cover 10, and is provided with a notched portion adapted to be positioned over the upper edge of one of the inwardly extending blades, and it will be seen that by placing the arm 12 on various blades 6, the cover may be held at various angles.

It might be further stated that if the air in the room or compartment in which the device is positioned is to be quickly heated, the cover 10 should be closed or moved into engagement with the upper edge of the body portion, whereupon the heat within the body portion will be deflected laterally or to a point in proximity to the floor of the room.

Having thus described the invention, what is claimed as new is:—

In a casing for a radiator a body portion adapted to be positioned over the radiator, said body portion having upwardly and inwardly extending blades for directing air into the body portion, an adjustable cover hinged to the upper end of the body portion, a supporting arm having connection with the cover, and said supporting arm adapted to engage predetermined blades for holding the cover in various positions of adjustment.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHARLES M. BERRY.

Witnesses:
E. M. ELLSWORTH,
H. B. OVERFIELD.