May 6, 1924. 1,493,235

D. G. BESSON

EXTENSION HOOD FOR RADIATORS

Filed Sept. 30, 1921

FIG. 1

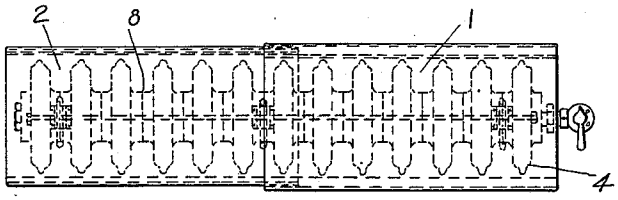


FIG. 3

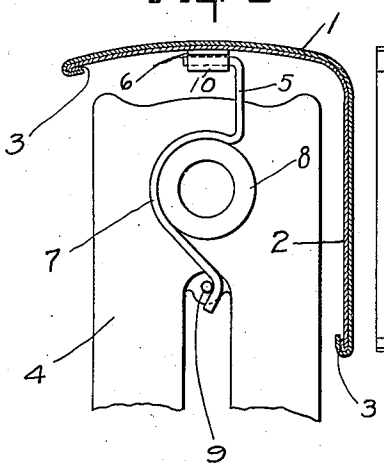


FIG. 2

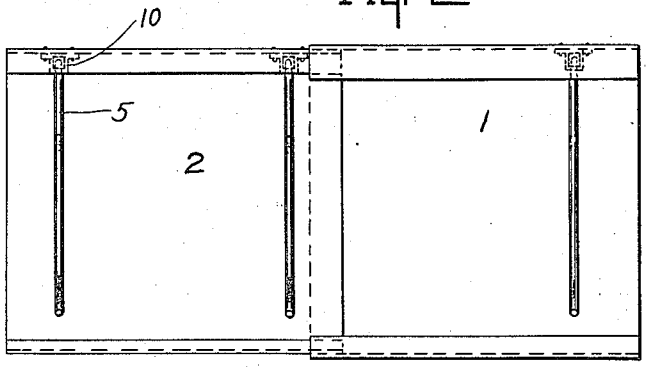


FIG. 4

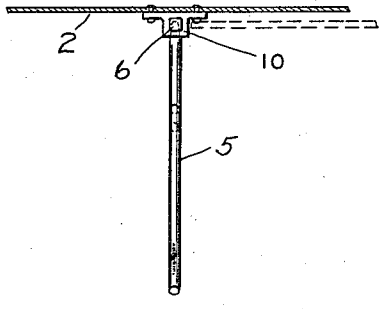
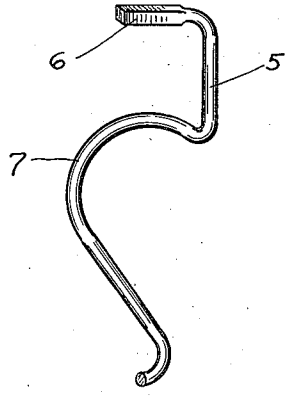


FIG. 5



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BY

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Patented May 6, 1924. 1,493,235

UNITED STATES PATENT OFFICE.

DOLLY G. BESSON, OF INDIANAPOLIS, INDIANA.

EXTENSION HOOD FOR RADIATORS.

Application filed September 30, 1921. Serial No. 504,447.

To all whom it may concern:

Be it known that I, DOLLY G. BESSON, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Extension Hoods for Radiators, of which the following is a specification.

This invention relates to extension hoods for radiators, and the like, and is designed primarily for use in dwellings and other buildings having heating plants, and the prime object of the invention is the provision of a hood which will fit over the radiator or register in such manner that the heat will be carried away from the wall and thrown outwardly into the room.

A further feature of the invention is the provision of means for adjusting the hood lengthwise whereby it may be lengthened or shortened to fit radiators or registers of varying sizes.

And a further feature of the invention is the provision of means for removably attaching the hood to a radiator.

Other objects and advantages will be hereinafter more fully set forth and pointed out in the accompanying specification.

In the accompanying drawings,

Figure 1 is a top plan view of the hood in its extended position showing it applied to a radiator,

Figure 2 is a front elevation of the hood removed from the radiator and partially telescoped,

Figure 3 is a vertical sectional view through the hood showing the same applied to a radiator,

Figure 4 is a detail sectional view showing the manner of attaching a support to the hood, and

Figure 5 is a perspective view of the support removed from the hood.

Referring to the drawings, 1 and 2 indicate the sections of the hood which are preferably constructed of sheet metal, the section 1 having its edges bent over to form channels 3 in which the edges of the section 2 slide and by means of which the length of the hood may be adjusted to fit radiators of varying lengths.

The sections 1 and 2 are composed of horizontal portions and vertical portions, the horizontal portions extending over the top of the radiator 4, while the vertical portions extend in the rear of the radiator and the vertical sections may be extended to any depth.

Any suitable means may be provided for supporting the hood in position over a radiator. In the present instance a plurality of brackets 5 are provided, the upper portion or ends 6 of which are preferably formed square in cross section and extended horizontally, while the vertical portion of the bracket is provided with a curved intermediate portion 7 which when used with that class of radiator having the circular unions 8 formed on the sections of the radiator to provide a continuous circulating opening for the contents of the radiator fits over and rests upon said circular unions, the curvature of the portions 7 being such that the point of union between the curved portion and the vertical straight portion of the bracket will extend to a point beyond the axis of the unions, thereby providing an overhanging portion which will tend to hold the brackets and hood against forward swinging movement. The extreme lower portion or end of the bracket 5 passes below the union upon which the bracket rests and over the usual form of tie-rod or bolt 9 used for locking the sections of the radiator together, and when the bracket is properly engaged with the bolt 9 and properly seated on the union 8 the hood will be securely held against rearward movement while the weight of the hood, owing to the fact that the body of the bracket 5 extends at a tangent to the axis of the union, will serve to hold the hood against forward movement under all normal conditions. The brackets 5 are connected with the sections of the hood by placing clips 10 on the under faces of the sections which are shaped to snugly receive the square end 6 of the brackets, said clips holding the brackets in rigid vertical position, but when the hoods are not in use the brackets may be folded flat against the under faces of the sections of the hood and will be held in such relation by again entering the square ends of the brackets in the clips as shown by dotted lines in Figure 4 of the drawings.

This form of device can be very quickly attached to or removed from the radiator, as it is but necessary to first introduce the lower ends of the brackets over the rods 9 and then swing the brackets to vertical position seating the curved portion 7 over the circular union 8. The hood is then adjusted

to the proper length and placed over the radiator and secured in such position by entering the square ends 6 of the brackets through the clips 10. By providing a suitable support the hood may be positioned over a register in the floors or wall as well as over the usual form of radiator, and when the hood is applied to use with either a radiator or register the heat arising therefrom will be directed away from the wall of the parts of the building adjacent the radiator and as radiators and registers are usually placed in close proximity to a window the curtains or blinds associated with the window will be protected from coming in direct contact with the heat.

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

1. A dust shield for multi-sectional radiators having unions and a tie bolt connecting the sections thereof, said shield comprising a hood having a substantially horizontal portion and a depending portion, and a bracket supporting said hood having a portion extending toward one of said unions from the hood supporting portion, said bracket having a portion curved to fit around said union on the side opposite to the depending portion of the hood and terminating in a reversely curved portion engaging said tie bolt, substantially as set forth.

2. A dust shield for multi-sectional radiators having unions and a tie bolt connecting the sections thereof, said shield comprising a hood having a substantially horizontal portion and a depending portion, and brackets supporting said hood, said hood comprising a plurality of sections one of said sections being supported by a pair of brackets and the other section being supported by a bracket and said first section, each of said brackets having a portion supporting the hood and a portion extending toward one of said unions from the hood supported portion, said bracket having a portion curved to fit around said union on the side opposite to the depending portion of the hood and terminating in a reversely curved portion engaging said tie bolt, substantially as set forth.

In witness whereof, I have hereunto set my hand at Indianapolis, Indiana, this 26th day of September, A. D. nineteen hundred and twenty-one.

DOLLY G. BESSON.

Witnesses:
CAREY S. FRYE,
M. L. SHULER.