

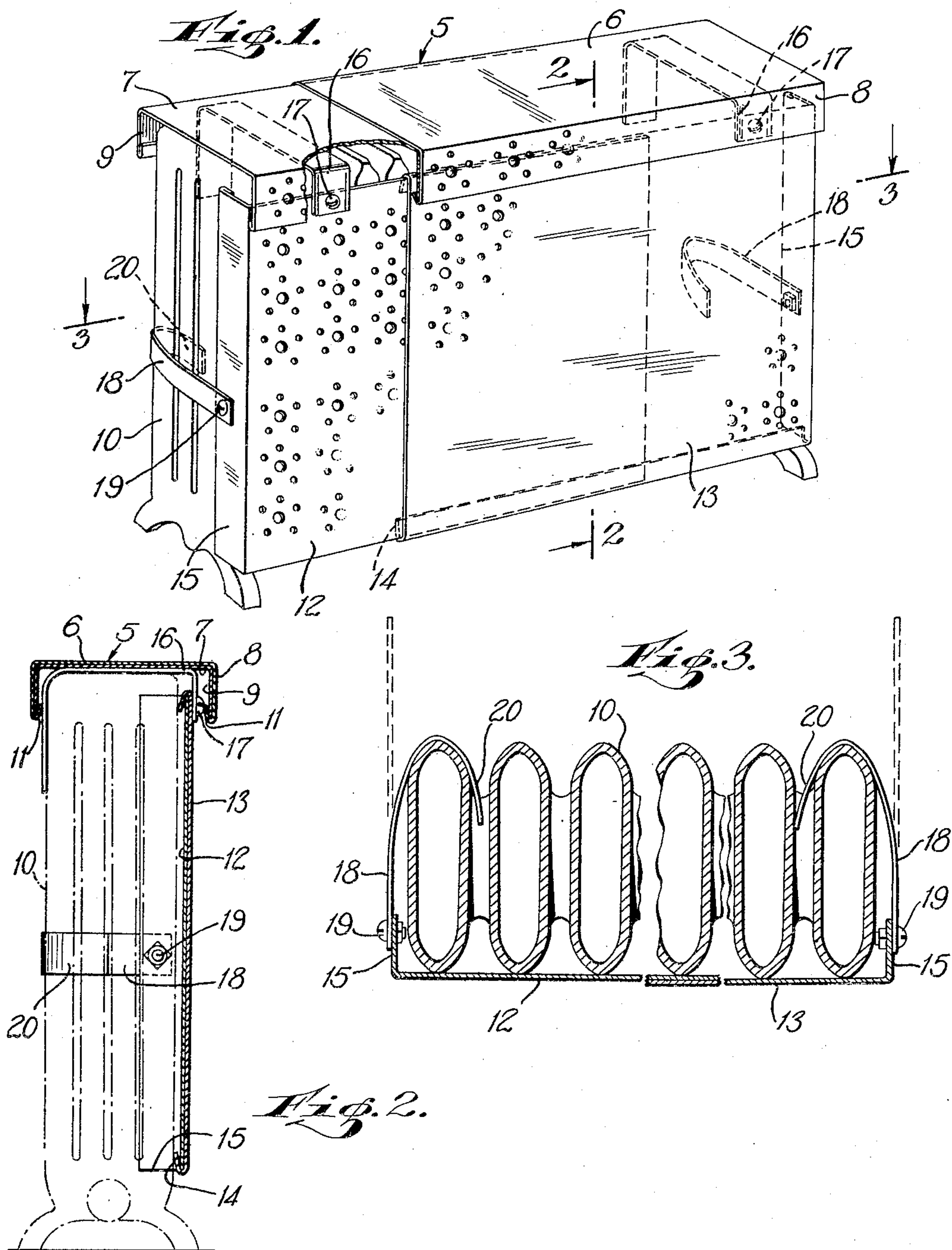
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RADIATOR SHIELD OR COVER

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RADIATOR SHIELD OR COVER

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My invention relates to a shield or screen for radiators, and the principal object of the invention is to provide a preferably metallic screen to cover the front of a radiator, and composed of telescopically associated parts adjustable to the length of the radiator, and provided with means for quickly and securely attaching the parts in place on the front of the radiator.

As will be pointed out in detail hereinafter, when the parts are properly adjusted to the length of the radiator and secured in place on its front, top covers of known type may then be positioned on top of the radiator to complete the appearance of the screen as a unitary device and to conceal the top edges and fastening means on the front plates, as shown in the accompanying drawing, wherein

Fig. 1 is a perspective view of a radiator with top and front shields embodying my invention applied;

Fig. 2 is a sectional view on the line 2—2 of Fig. 1; and

Fig. 3 is a sectional view on the line 3—3 of Fig. 1.

Referring to the drawing, the numeral 5 designates generally the top cover composed of the parts 6 and 7 having depending flanges 8 and 9 respectively. The flanges 9 on the part 7 slidably fit within channels provided by bending up the ends 11 of the flanges 8. Thus the top cover may be adjusted to fit radiators of different lengths. The top cover per se is not new. However, when the front of the radiator is to be obscured from view the usual manner of accomplishing this has been to provide a complete enclosure of box-like construction having front, top, and end walls. Such structures are not only expensive but are not portable, and occupy considerable space in shipping and storing.

Referring to Fig. 3, it will be noted that the front shield or screen constructed in accordance with my invention comprises the two sheets 12 and 13 preferably formed of sheet metal and one of which, the sheet 13 as shown in the drawing, has its top and bottom ends bent as indicated at 14 to pro-

vide channels to receive the edges of the other part or sheet 12, so that they telescopically interfit and may be longitudinally adjusted the same as the top 5. Each of the parts 11 and 12 has its free end bent or flanged as indicated at 15 to abut the ends of the radiator 10 whereby the parts may be readily adjusted to the right length simply by sliding them together until the flanges 15 abut the ends of the radiator.

In order to secure the front screen on the radiator, I provide top straps 16 which may be formed as individual elements and furnished flat. In such case the straps are of pliant metal so that they may be bent at the proper points along the proper lines at the front and back edges of the top to span the radiator. The straps 16 are provided with openings to register with openings in the parts 12 and 13, so that screws or bolts 17 may be inserted through the openings to secure the straps 16 to the respective parts of the front screen or shield. Each of the straps 16 is preferably of such a length that after they have been bent down at the back of the radiator there will be a portion as indicated at 20, disposed at and against the back to hold the parts 12 and 13 up in proper position. To further secure the screen in place, I provide side straps 18 which may be attached to the sides or flanges 15 by means of screws or bolts 19 passing through registering openings in the straps and sides or flanges 15. The straps 18 are of sufficient length to extend across the width of the radiator and to be bent around one of the pipes as indicated at 20.

While I have shown the several parts assembled and properly formed, in which manner they may be furnished, I wish it to be understood that I may make the straps and parts 12 and 13 all perfectly flat. Of course, the registering openings for the bolts are formed in the straps and plates, and the bolts themselves may be furnished so that the straps can be secured to the parts they are to support. It would be necessary for the user, under such conditions to bend the straps along the proper lines to make them span the top of the radiator and engage

around the sides or ends of the radiator in the manner shown. Thus the parts can be packaged in compact form for shipping and merchandising.

In use, after the front shield has been applied as above described and shown in the drawing, the top 5 is placed on and conceals the top straps which also provide a flat support for the top. When the top is adjusted to the proper length the points where the parts 6 and 7 overlap will be substantially in alinement with the points where parts 12 and 13 overlap as shown in the drawing. This is due to the fact that parts 6 and 12, and 7 and 13, respectively, are preferably the same length. Thus a neat appearance is had with a very cheap but effective arrangement and the complete assembly of the front and top shields resembles, from the front, a unitary casing as the front skirt 8 on the top overlaps the top edges of the front screen parts and conceals the front edge of the top of the radiator and the straps 16. If the tops of the radiator coils are curved the straps may be bent to form flat supporting surfaces for parts 6 and 7.

I have shown the front skirt of the top provided with heat escapement openings arranged in a decorative or orderly manner. The same scheme is preferably carried out on the parts 12 and 13 with the openings on all parts at regular intervals, so that when the respective parts are properly adjusted on the radiator the groups of openings on the top cover and the front screen will be in alinement, thus enhancing the unitary appearance of the structure.

So far as I am aware, front sheets or plates for association with radiators and existing top covers in the manner above specified have never been known or used, and under my invention the same can be readily and cheaply made and sold either as an independent unit or in conjunction with top covers.

It should be understood that the front plates can be made of dimensions from top to bottom according to standard types of radiators and of lengths such that they can overlap to fit the smaller sizes or be extended to fit longer sizes. Due to the fact that the securing means provided in accordance with my invention are adaptable by the user to radiators of various thicknesses, the invention provides a cover or shield which can be adapted not only to radiators of various lengths and heights but also to radiators of various depths.

I claim:

1. A radiator screen comprising front plates slidably connected for longitudinal movement relative to each other for adjustment to the length of the radiator, means connected to the top of each of said plates to span the top of the radiator to hold the

plates on the front of the radiator, a pair of slidably connected top members to cover the top of the radiator and said means, the said top members which are superposed above the respective front plates being of the same length as said plates whereby said plates and members will terminate in substantially the same planes.

2. A screen of the character described comprising a pair of plates to cover the front of a radiator, means on said plates to span the top of the radiator to hold the plates in position on the front, and a top cover for the radiator, said means constituting supports on which the top rests.

3. A screen of the character described comprising a pair of plates slidably connected for movement relative to each other for adjustment to the length of the radiator, means connected to the top of said plates to span the top of the radiator to hold the plates in position on the front of the radiator, said means comprising flat metallic strips connected to the top edges of the front of the plates, and a top cover for the radiator having a front skirt to overlap the top edges of the plates, said strips affording substantially flat surfaces on which the top may rest.

4. A screen or shield for radiators comprising a pair of plates connected for longitudinal movement relative to each other for adjustment relative to the length of the radiator, a pair of elongated bendable strips connected with each of said plates adjacent their top edges, said strips being of sufficient length to extend across and partially behind the radiator to hold the said plates at the front of the radiator, and a second pair of strips connected to the ends of said plates and bendable around the ends of the radiator to hold the plates against movement away from the radiator.

5. A shield or screen for radiators comprising a pair of plates slidably connected for adjustment longitudinally of the radiator, each of said plates having on one end a flange to abut the ends of the radiator, a pair of bendable metallic strips connected to the top edges of each of the plates to span the top of the radiator, and a pair of bendable metallic strips connected to the said flanges and bendable around the sides of the radiator.

Signed at Brooklyn, in the county of Kings and State of New York this 21st day of September A. D. 1932.

ARAM EHRAJIAN.