

Dec. 17, 1940.

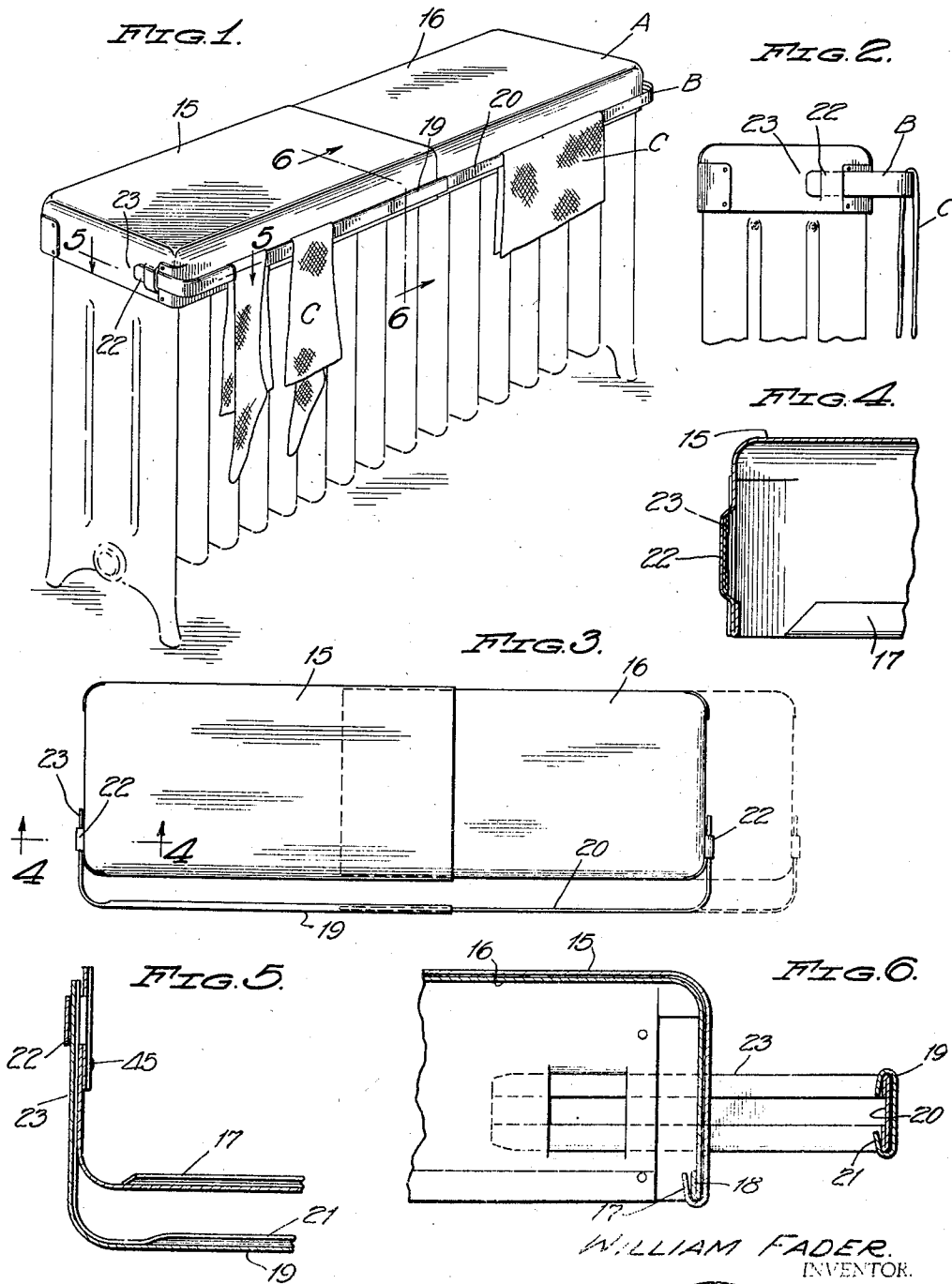
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2,225,104

COMBINED RADIATOR COVER AND SUPPORT

Filed June 6, 1939

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

FIG. 7.

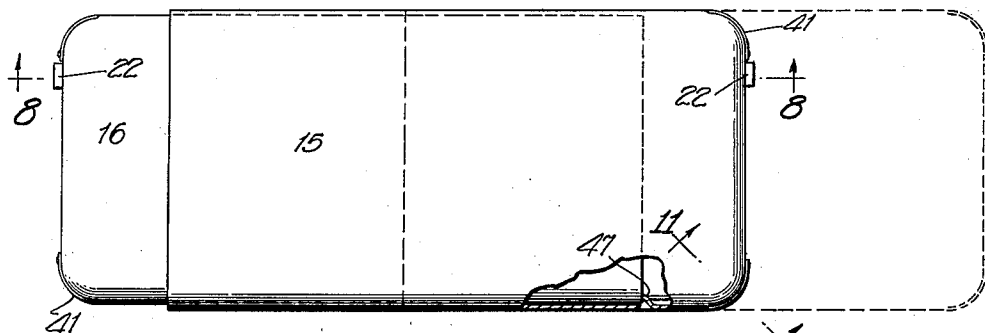


FIG. 8.

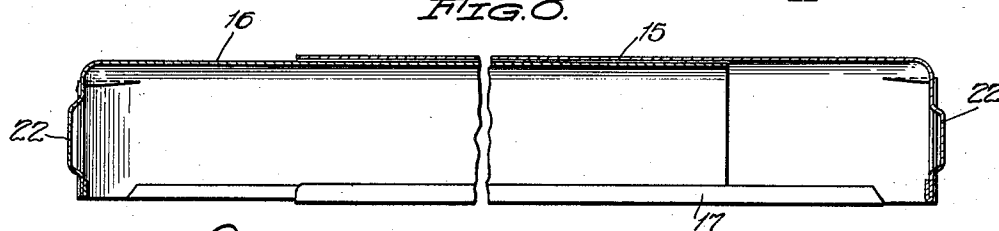


FIG. 9.

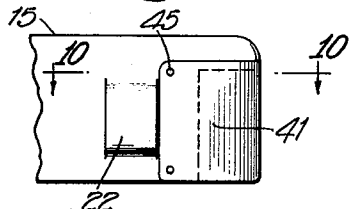


FIG. 10.

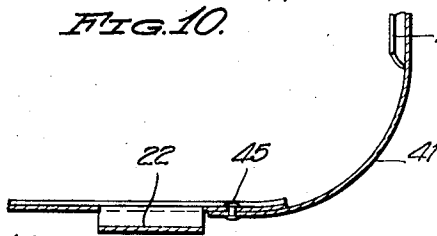


FIG. 12.

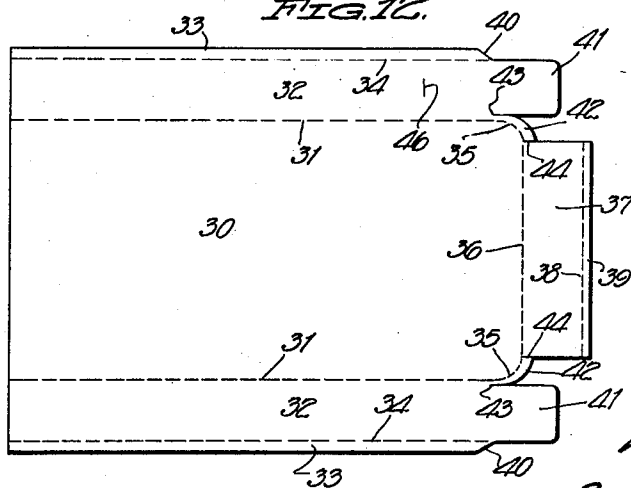
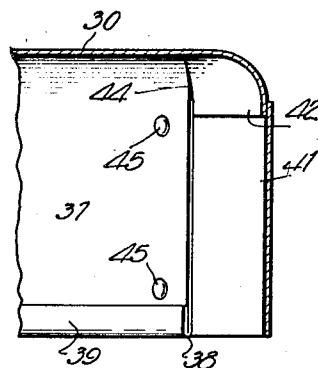


FIG. 11.



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2,225,104

COMBINED RADIATOR COVER AND
SUPPORT

William Fader, Newark, N. J.

Application June 6, 1939, Serial No. 277,574

8 Claims. (Cl. 237—79)

This invention relates to new and useful improvements in radiator attachments and more particularly it pertains to a combined cover and device for supporting articles such as garments of personal wear, towels and the like, in close relation or juxta-position therewith in order that they may be subjected to the action of the radiator for drying purposes.

It is an object of the invention to combine the article supporting device with a cover for the radiator and so to construct both the radiator cover and the article supporting device that they may be fitted to radiators of various lengths, of course within certain limitations, of adjustment.

It is another object of the invention so to construct the radiator cover and the article supporting device that the latter may be adjusted relative to the radiator cover and radiator and when not in use may be moved into close or contacting relation with the radiator cover in which position it is practically out of sight, or invisible.

It is a further object of the invention to provide a new and improved construction of radiator cover which construction greatly enhances the appearance of the radiator cover and materially adds to the strength thereof.

With the above and other objects in view reference will be had to the accompanying drawings, in which:

Figure 1 is a perspective view of a radiator illustrating a cover and supporting device constructed in accordance with the present invention, in place thereon,

Figure 2 is a fragmentary view in elevation,

Figure 3 is a top plan view,

Figure 4 is a detail vertical sectional view taken substantially on the line 4—4 of Figure 3,

Figure 5 is a fragmentary horizontal sectional view taken substantially on the line 5—5 of Figure 1,

Figure 6 is a detail vertical sectional view on an enlarged scale taken substantially on the line 6—6 of Figure 1,

Figure 7 is a top plan view partly broken away illustrating the radiator cover,

Figure 8 is a longitudinal sectional view partly broken away taken substantially on the line 8—8 of Figure 7,

Figure 9 is a detail fragmentary view illustrating a corner construction of the radiator cover,

Figure 10 is a detail horizontal sectional view on an enlarged scale taken substantially on the line 10—10 of Figure 9,

Figure 11 is a detail vertical sectional view

taken substantially on the line 11—11 of Figure 7, and;

Figure 12 is a plan view illustrating the blank from which the cover sections are formed.

Referring particularly to Figures 1 through 6 inclusive, the radiator cover is designated A, the supporting device being designated B. The radiator cover comprises two sections 15 and 16. The section 16 telescopes within the section 15, the latter being provided with guide flanges 17, see Figure 6, in which the edges 18 of the side flanges of the section 16 slide. By this construction the two sections 15 and 16 may be adjusted relatively to each other to form a radiator cover of any desired length within, of course, certain limitations.

As best illustrated in Figure 6, the member 19 is in the form of a channel which receives the member 20, the member 19 having flanges 21 which embrace the member 20. By this construction the members 19 and 20 are also telescopically engaged with each other in order that they may move relatively to each other as the sections of the radiator cover are adjusted.

For attachment of the supporting device to the radiator cover, I provide the end wall of each section of the radiator cover with a struck-out strap-like portion 22. This portion 22 may be formed merely by two parallel slits, the metal between said slits being struck outwardly from the end wall of the section. Each of the members 19 and 20 of the supporting device is provided with a right angular end extension 23 and these extensions are adapted for reception in their respective strap-like portions 22 as best illustrated in Figures 1 and 2. It is to be understood that in the formation of the device, the strap-like portions 22 will be struck outwardly far enough to receive their respective angular end extensions 23 of the supporting device, and yet produce sufficient friction to retain them in adjustable position without necessitating separate fastening means for the purpose.

I will now describe the operation of the device.

The radiator cover A is placed over the radiator as illustrated in Figure 1 and its sections 15 and 16 together with the members 19 and 20 of the supporting device are properly adjusted by reason of their telescopic construction, to fit the radiator.

If it is desired to place upon the supporting device B, articles of apparel or any other articles to be dried, the supporting device is moved outwardly from the radiator cover merely by sliding its angular end extensions in the struck-out por-

tions 22. When this is done, sufficient room for the hanging of small articles which are designated C is provided as illustrated in Figure 2. When the article supporting device B is not in use as such, it may be moved towards the radiator in which position it is hardly noticeable and in reality simulates an ornamental bead for the front wall of the radiator cover.

I will now describe the blanks from which the radiator covers are made and their manner of construction.

Referring to Figures 7 to 12 inclusive and particularly to Figure 12, each blank comprises a sheet of suitable metal of general rectangular form. The sheet of metal is designated 30 and it is adapted to be bent or folded in the following manner. To form the side walls of the covers, the sheet is bent or folded upon the lines 31, the side walls being designated 32. Each side wall is formed with an inwardly turned edge 33, the side walls being bent upon the line 34 to form these inwardly turned edges. In one section, for example the section A, the inwardly turned edges 33 merely constitute a finish edge while in the section B these inwardly turned edges 33 provide the guide flanges 17 heretofore mentioned. Each of the lines 31 terminates at one end in a relatively short curved portion 35, which curved portion merges into a transversely extending line 36 upon which the sheet of metal is adapted to be bent to form the end wall 37 of the cover section. The end wall 37 is bent upon the line designated 38 to provide an inwardly turned finish flange 39. The inwardly turned edges 33 terminate in an angular end 40 and the side walls have rectangular extensions 41 and extending from the inner edge of each of these rectangular extensions 41 to their respective end and the end walls 35, there is a curved section 42. Each of the sections 42 is connected to its respective end extension as at 43, but is separated from its respective end of the end wall 37 by a cut line 44.

In forming the top, it is placed in a suitable die, which die is operated to bend the blank upon the lines 31, 35 and 36 of the curved sections 42, having their free ends formed by the cut line 44 passing around and embracing their respective ends of the end wall 37 after it has been bent at right angles to the main body portion of the blank upon the line 36. After this has been done, the rectangular extensions 41 of the side walls 32 are curved around into overlapping engagement with the end wall 37 in which position they are secured by rivets or other suitable fastenings 45.

After the two blanks have been formed as described, they are telescoped relatively to each other to form the cover.

One of the side walls may be cut along the line designated 45 in Figure 12 and turned inwardly to provide a stop 47 for engagement by the inner end of the section 16 to limit relative movement of the sections 15 and 16 in their telescopic movement towards each other.

From the foregoing it will be apparent that the present invention provides a new and improved radiator cover which includes a suitable support for relatively small articles of apparel or towels and the like. Further the invention provides a device which is possessed of strength, ornamental beauty and which is adaptable to radiators of various lengths. Still further the invention provides a supporting device which may be either adjusted relatively to the radiator cover or entirely removed if desired without detracting from

the appearance or utility of the radiator cover, as such.

While the invention has been herein illustrated in its preferred form it is to be understood that it is not to be limited to the specific construction herein shown and that it may be presented in other forms without departing from the spirit thereof.

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

1. In a device of the character described in combination a radiator cover comprising telescopic sections, a suitable supporting device comprising telescopic sections, and means for attaching the supporting device to the radiator cover.

2. In a device of the character described in combination a radiator cover comprising telescopic sections, a suitable supporting device comprising telescopic sections, and means for attaching the supporting device to the radiator cover, and for permitting simultaneous adjustment of the radiator cover and said supporting device.

3. A radiator cover comprising two sections adapted for telescopic engagement with each other, each of said sections comprising a main body portion, two side walls and an end wall, extensions projecting from one end of each of said side walls and adapted for embracing engagement with the end wall, curved portions or extensions projecting from the body portion and adapted to lie behind their respective rectangular extensions of the side walls to form rounded corners for the main body portion, and means for securing the rectangular extensions of the side walls in rigid engagement with their respective ends of the end wall.

4. A radiator cover comprising two sections adapted for telescopic engagement with each other, each of said sections comprising a main body portion, two side walls and an end wall, extensions projecting from one end of each of said side walls and adapted for embracing engagement with the end wall, curved portions or extensions projecting from the body portion and adapted to lie behind their respective rectangular extensions of the side walls to form rounded corners for the main body portion, means for securing the rectangular extensions of the side walls in rigid engagement with their respective ends of the end wall, and means carried by the end wall of each section for attachment of a suitable supporting device on the cover.

5. A radiator cover comprising two sections adapted for telescopic engagement with each other, each of said sections comprising a main body portion, two side walls and an end wall, extensions projecting from one end of each of said side walls and adapted for embracing engagement with the end wall, curved portions or extensions projecting from the body portion and adapted to lie behind their respective rectangular extensions of the side walls to form rounded corners for the main body portion, means for securing the rectangular extensions of the side walls in rigid engagement with their respective ends of the end wall, and means carried by the end wall of each section for the attachment of one element of a telescoping supporting device to the section.

6. A radiator cover comprising two sections adapted for telescopic engagement with each other, each of said sections comprising a main body portion, two side walls and an end wall, extensions projecting from one end of each of said side walls and adapted for embracing engage-

ment with the end wall, curved portions or extensions projecting from the body portion and adapted to lie behind their respective rectangular extensions of the side walls to form rounded corners for the main body portion, means for securing the rectangular extensions of the side walls in rigid engagement with their respective ends of the end wall, and means carried by the end wall of each section for adjustably and removably attaching one element of a telescoping supporting device to each section.

7. A radiator cover comprising two sections adapted for telescopic engagement with each other, each of said sections comprising a main body portion, two side walls and an end wall, extensions projecting from one end of each of said side walls and adapted for embracing engagement with the end wall, curved portions or extensions projecting from the body portion and adapted to lie behind their respective rectangular extensions of the side walls to form rounded

corners for the main body portion, means for securing the rectangular extensions of the side walls in rigid engagement with their respective ends of the end wall, and means carried by the end wall of each section for adjustably and removably attaching one element of a telescoping supporting device to each section, said means comprising a strap-like portion struck outwardly from the end wall of each element.

8. In a device of the character described in combination, a radiator cover having depending end flanges, a struck-out strap-like portion in each of the depending end flanges, and an article supporting device for attachment to the radiator cover, said article supporting device comprising a body portion having right angular end extensions for reception between the struck-out strap-like portions and the depending end flanges of the radiator cover for attaching the article supporting device to the radiator cover.

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