Oct. 3, 1933. R. H. WARD 1,928,745

TELESCOPIC RADIATOR CABINET

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Fig. 2

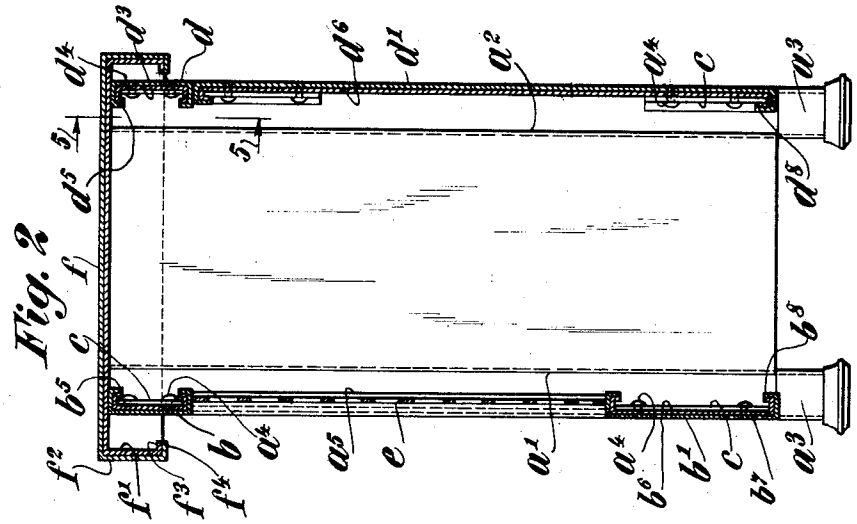
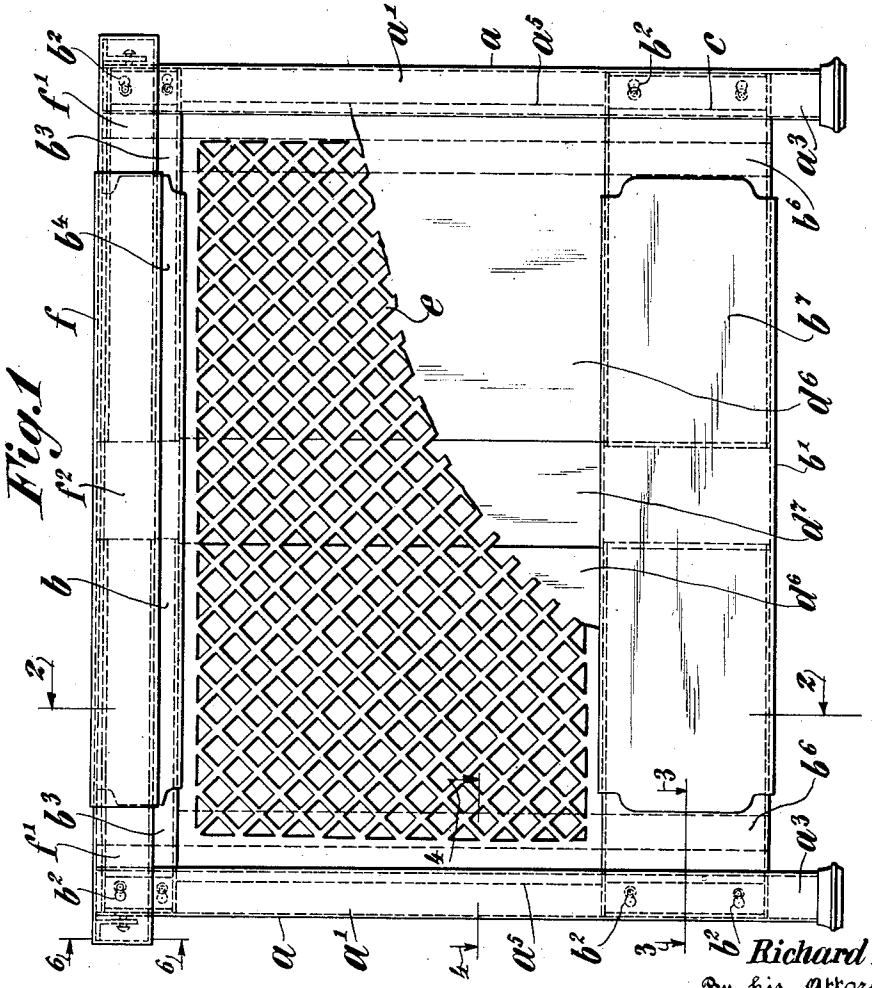


Fig. 1



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Fig. 3

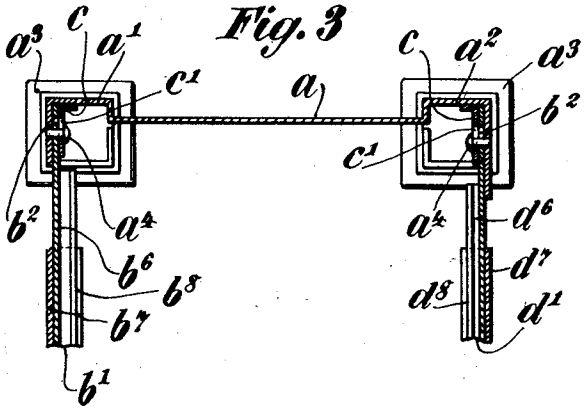


Fig. 4

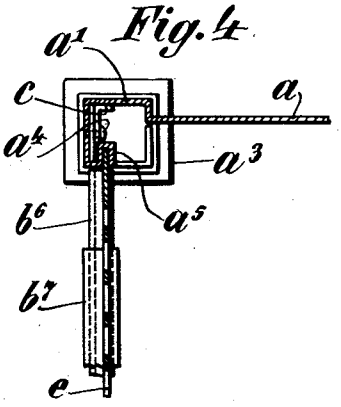


Fig. 5

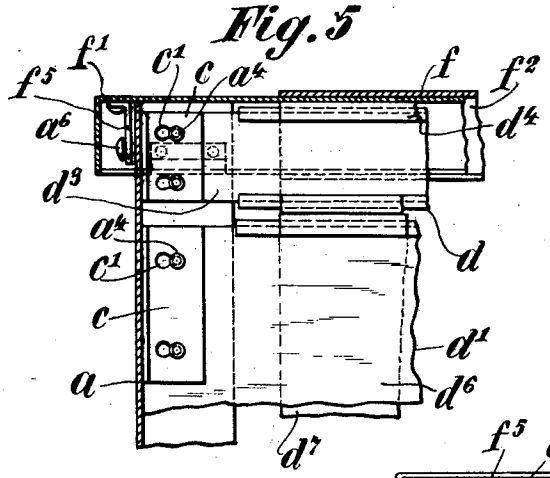


Fig. 6

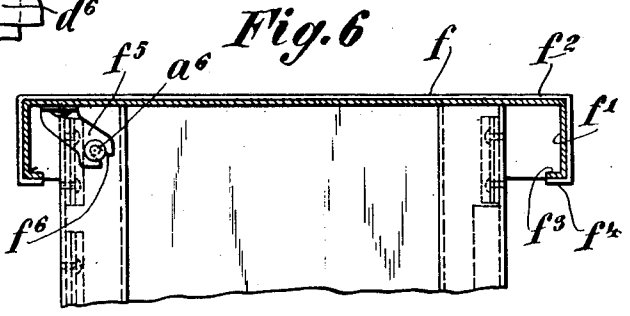
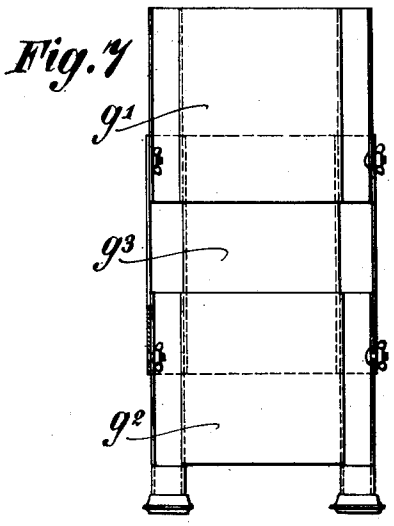


Fig. 7



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Patented Oct. 3, 1933

1,928,745

UNITED STATES PATENT OFFICE

1,928,745

TELESCOPIC RADIATOR CABINET

Richard H. Ward, Queens Village, N. Y., assignor to Edward C. Bowers and Charles L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y., a corporation of Massachusetts

Application August 8, 1929. Serial No. 384,459

6 Claims. (Cl. 237—79)

The present invention relates to radiator covers and embodies, more specifically, an improved cover which is constructed so that portions thereof telescope to permit it to be adjusted for radiators of various sizes.

As a recent development in house furnishings, radiators are now being provided with covers which conceal the unsightly shape and properties of the radiator without materially hindering heat radiation therefrom. These covers have been required to be made to measure for each size of radiator, thus requiring an individually fabricated cover. The difficulty of construction, as well as great expense thereof will be readily apparent and extensive development in this line has been seriously hampered by reason thereof.

An object of the present invention is to provide a radiator cover which is constructed in such manner that portions thereof may be standardized and used in all covers regardless of the size and shape thereof.

A further object of the invention is to provide a radiator cover which may be adjusted to a varying number of sizes in order that it may be used on radiators of various sizes.

A further object of the invention is to provide an adjustable radiator cover, the top of which is hinged so that it may be removed or lifted to inspect the radiator.

A further object of the invention is to provide a radiator construction, portions of which telescope to permit the cover to be extended or collapsed as desired.

Further objects, not specifically enumerated above, will be apparent as the invention is described in greater detail in connection with the accompanying drawings, wherein:

Figure 1 is a view in front elevation, partly broken away, showing a radiator cover constructed in accordance with the present invention.

Figure 2 is a view in section, taken on line 2—2 of Figure 1, and looking in the direction of the arrows.

Figure 3 is a view in section, taken on line 3—3 of Figure 1, and looking in the direction of the arrows.

Figure 4 is a view in section, taken on line 4—4 of Figure 1, and looking in the direction of the arrows.

Figure 5 is a view in section, taken on line 5—5 of Figure 2, and looking in the direction of the arrows.

Figure 6 is a view in section, taken on line 6—6 of Figure 1, and looking in the direction of the arrows.

Figure 7 is a segmental view showing a modified radiator cabinet which is extensible vertically.

Referring to the above drawings, it will be seen that the radiator cover is formed from a plurality of elements which are stamped from a sheet of metal. These elements include end plates a which are formed with projecting front and rear corners a' and a^2, respectively. Pedestals a^3 are provided for supporting the end plates upon a floor and the end plates are spaced apart at the front by top and bottom rails b and b', respectively. These top and bottom rails are formed with a plurality of bayonet slots b^2 which engage headed pins a^4 provided on the inner sides of the front and rear portions of the corners a' and a^2, respectively. Lock plates c are formed of angle iron sections and provided with bayonet slots c', corresponding to the slots b^2. After the slots b^2 have been engaged with the studs a^4 the lock plates c are applied thereto to secure the top and bottom rails to the end plates.

The rear of the radiator cover is formed with a top rail d, similar in construction and manner of securing to the end plates, to front top rail b. Below the rear top rail, and in substantially the same plane therewith, is a back plate d' which is secured to the rear of the end plates in a manner similar to that of securing the top rail d thereto, as clearly shown in Figure 5.

Each top rail is formed preferably of three sections, viz; two end sections b^3 and d^3, respectively, and intermediate sections b^4 and d^4, respectively. The intermediate sections are flanged at b^5 and d^5, respectively, to engage the end sections b^3 telescopically. In this manner, the top rails may be extended to accommodate radiators of various lengths. In like manner, the bottom rail b' and the back plate d' are formed of end sections b^6 and d^6, respectively, such sections being telescopically engaged by intermediate sections b^7 and d^7, respectively. Flanges b^8 and d^8 are formed on the intermediate sections of the bottom rail and the back plate, respectively, and engage the corresponding portions of the end sections of these elements in order that they may be mounted telescopically with respect to each other.

From the foregoing construction, it will be apparent that the end plates a may be spaced a desired distance apart by extending or collapsing the sections of the top rails, bottom rail and back plate. The elements thereof may be assembled or taken down quickly and may be manufactured in standard shapes for use with all types of radiators. The back plate d' is solid in order that

it may reflect heat out through the front of the cover in the desired fashion.

To afford the desired ornamental effect and, at the same time permit the radiation of heat from the radiator, a front plate *e* is provided and preferably grilled in a manner to provide the desired artistic effect, as well as permit the free radiation of heat from the radiator. This front plate is preferably formed of a single piece and it is contemplated that these pieces be manufactured in a desired number of standard sizes so that the appropriate sizes may be taken for the radiator to be covered and thus provide a more complete and finished structure. The ends of the front plate may be received in grooves a^5, formed in the front corners and extending between the top and bottom rails as clearly shown in Figures 2 and 4. In this manner, a finished cabinet effect is provided and the resulting structure is complete in every detail.

A cover *f* is formed of end sections *f'* and an intermediate section f^2, these sections having cooperating flanges f^3 and f^4, respectively, in order that they may be mounted telescopically. The downwardly extending portions of the sections preferably overhang the sides and ends in order that the desired effect may be provided and the cover is preferably hinged to the end plates on headed studs a^6. For this purpose, brackets f^5 are mounted on the end sections and provided with notches f^6 which engage the headed studs a^6 and permit the swinging of the top about such studs as an axis. It will be seen that these brackets extend rearwardly in order that the rear top edge of the end plates and top rail may not interfere with the swinging movement of the top. After the top is extended the required amount to permit the notches f^6 to engage the studs a^6, and such engagement has been effected, further extension of the section is prevented by the heads on the studs.

From the foregoing description it will be apparent that a radiator cover has been provided which is manufactured from a plurality of standardized parts and is adapted to be varied in size to accommodate radiators of different sizes. The sections thereof are adapted to telescope longitudinally to accommodate varying lengths of radiators and are assembled and taken down quickly and easily by means of the construction described above. If desired, the radiator cover may be made to extend in a vertical direction, as shown in Figure 7, wherein the ends plates are formed of upper and lower sections *g'* and g^2, respectively, joined telescopically by intermediate sections g^3. These sections may be secured in position by lock nuts which will prevent collapsing thereof due to the weight of the upper sections.

While the invention has been described with specific reference to the accompanying drawings, it is not to be limited, save as defined in the appended claims.

I claim as my invention:

1. A radiator cabinet having a cover and comprising end plates, front rails each comprising end sections and an intermediate section telescopically engaged, a front plate extending between the rails, a telescopic back plate carried by the end plates, and means to secure the rails to the end plates.

2. A radiator cabinet having a cover and comprising end plates, front rails each comprising end sections and an intermediate section telescopically engaged, a front plate extending between the rails, a back plate carried by the end plates, and means to secure the rails to the end plates.

3. A radiator cabinet having a cover and comprising end plates, front rails each comprising end sections and an intermediate section telescopically engaged, a front plate extending between the rails, said end plates being formed with grooves to receive the front plate, and means to secure the rails to the end plates.

4. A radiator cabinet having a cover and comprising end plates, front rails each comprising end sections and an intermediate section telescopically engaged, a front plate extending between the rails, and means to secure the rails to the end plates.

5. A radiator cabinet comprising end plates, front rails each comprising a plurality of sections formed to engage telescopically whereby the sections may be moved with respect to each other, a front plate mounted between the front rails, and means to removably secure the rails to the end plates.

6. A radiator cabinet including a cover and comprising end plates, front rails comprising a plurality of sections, said sections including means to secure the same together adjustably, the rails having slots formed therein, pins on the end plates engaging the slots in the rails, slotted lock plates engaging the pins to hold the end plates to the rails, and front plates mounted between front rails.

RICHARD H. WARD.