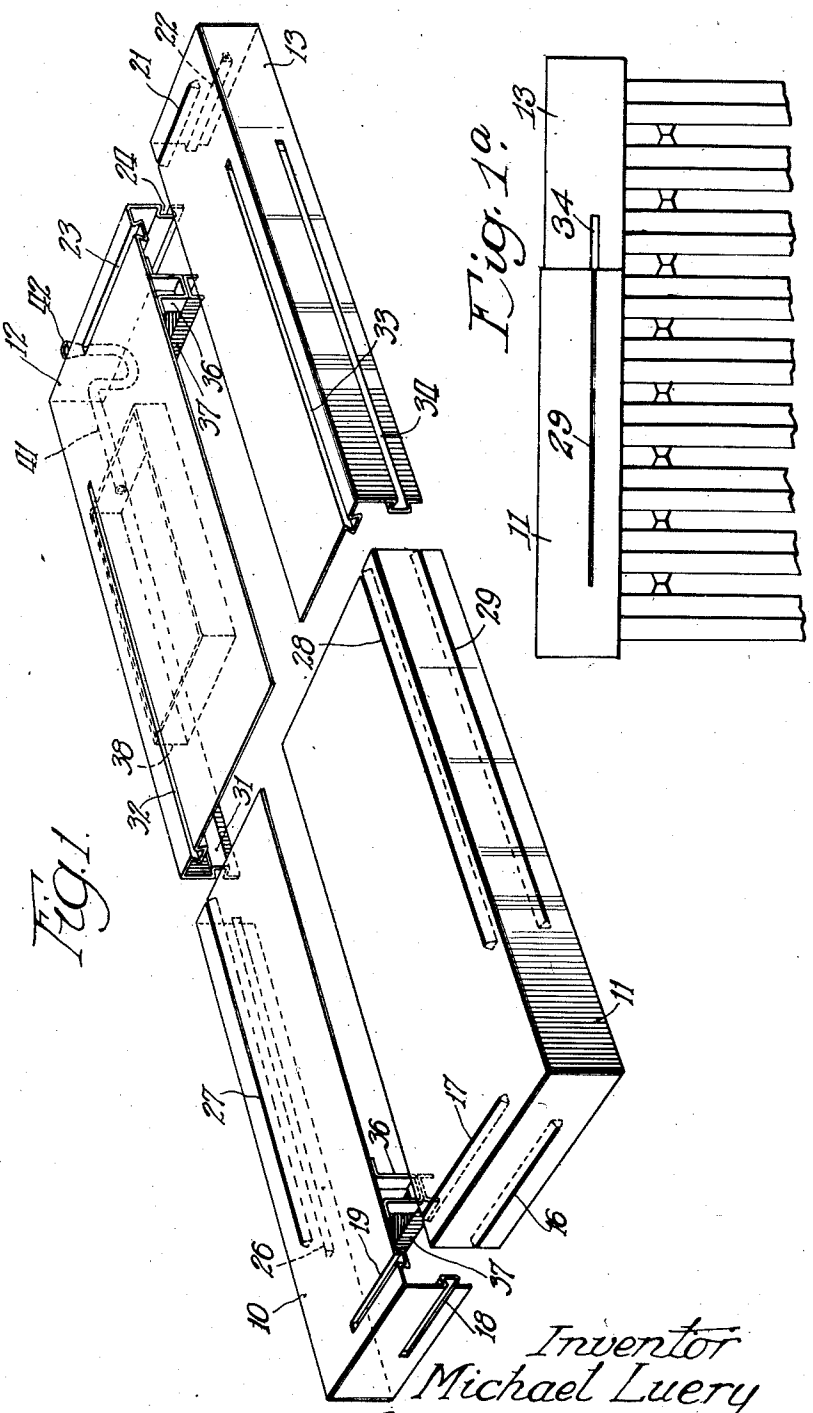
Nov. 6, 1928. 1,690,740

M. LUERY

ADJUSTABLE RADIATOR COVER

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ADJUSTABLE RADIATOR COVER

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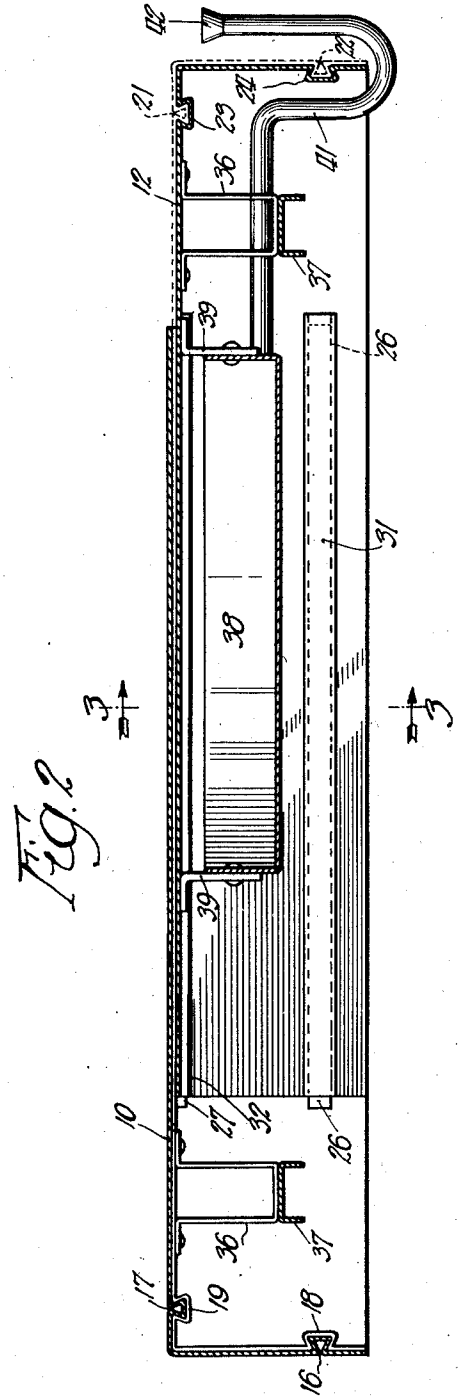


Fig. 2

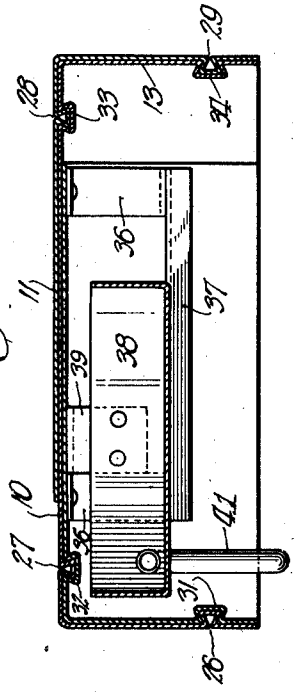


Fig. 3

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Patented Nov. 6, 1928. 1,690,740

UNITED STATES PATENT OFFICE.

MICHAEL LUERY, OF CHICAGO, ILLINOIS.

ADJUSTABLE RADIATOR COVER.

Application filed August 1, 1927. Serial No. 209,741.

My invention relates in general to household adjustable radiator covers. It relates more in particular to a radiator cover having in combination therewith, a water pan for humidifying the air in steam-heated apartments and the like.

The principal object of my invention is the provision of an improved adjustable radiator cover.

Another object is to produce a radiator cover which may be produced with great economy.

Another object is to produce a radiator cover adapted to fit a number of different radiators.

Another object is to produce a radiator cover capable of being made in a number of stock sizes so that the expensive operation of making a special radiator cover for a particular radiator is done away with.

Another object is the provision of a radiator cover adapted to house a humidifying water pan.

Another object is to provide a water pan radiator cover combination wherein the water pan can be filled without removing the radiator cover.

Another object is to provide a water pan for a radiator which is concealed from view and protected so that the water will not easily become contaminated by foreign matter.

In one embodiment of the invention the radiator cover comprises an adjustable frame formed from sheet metal and comprising four corner sections designed to be slidable with respect to each other both transversely and longitudinally so as to be adjusted snugly around the top of the radiator. The sections are provided with supporting brackets for spacing the entire cover away from the radiator, and one of the sections carries a water pan on its under side with a pipe for filling the pan and designed so that the height of the water in the pan can be gauged from the position of the water in the pipe opening.

Other objects and features of the invention will become apparent from a consideration of the following detailed description taken with the accompanying drawings, wherein

Fig. 1 is a perspective view of the radiator cover with the four parts thereof spaced from each other;

Fig. 1A is a small view showing the cover on a radiator.

Fig. 2 is a longitudinal sectional view through the radiator cover when in assembled position, and

Fig. 3 is a transverse sectional view along the line 3—3 of Fig. 2.

In the embodiment of the invention shown in the drawings, the cover comprises corner sections, 10, 11, 12 and 13, the sections 10 and 11 constituting one end of the cover while sections 12 and 13 constitute the other end. The sections are provided with means for supporting them together in slidable relation so as to form a composite single cover, and the outside thereof is suitably finished so that the entire arrangement is attractive.

Although there are many ways in which the sections can be secured together in slidable relation, I have developed a tongue and groove combination capable of being formed as an integral part of the sections by means of a simple forming operation.

Referring to the left hand sections, at the end of section 11 I provide tongues 16 and 17, while corresponding and complemental grooves 18 and 19 are formed in the section 10. As the drawings illustrate, the tongues and grooves both are formed by stamping a ridge of metal out of the normal plane thereof, one ridge of metal being larger than the other so that the smaller of the two will constitute the tongue and can be fitted into the larger. Of these two sections, the one bearing the tongues 16 and 17 is adapted to overlie the section 10. For this reason the ridge of metal is produced so that the outside comes together and there is no opening which might mar the appearance of the finished radiator cover.

At the other end of the cover, the same general arrangement is used with the section 13 bearing the tongues 21 and 22 and the complemental grooves 23 and 24 being carried by the section 12. This section is adapted to have the section 13 overlie it in the same manner as the two sections at the other end of the cover.

When the end sections are put together, they are for all purposes single units so that only two separated portions then exist, namely, the two end sections comprising sections 10 and 11 and the sections 12 and 13 respectively. These sections are adapted to be slid together in much the same manner as the end sections, with tongues 26, 27, 28 and 29 coop-

erating with groove portions 31, 32, 33 and 34 respectively. If the end sections are positioned properly with respect to each other, each pair being adjusted the same as the other, the tongues and grooves will be found to match up and the sections may readily be slid together to complete the assembling of the cover.

Each of the underlying sections is provided with a support for holding the cover away from the body of the radiator. This support comprises bifurcated straps 36 with their upwardly extending legs suitably secured to the radiator cover sections, and with a channeled cross-piece 37 suitably secured to the straps. The channeled portion of the cross-piece extends downwardly so as to extend over the top of a radiator section for the purpose of preventing movement with respect to the radiator.

Underneath the section 12, is a water pan 38 supported by brackets 39. These brackets are riveted to the ends of the water pan and are secured to the radiator cover section in any suitable manner for example by welding. A pipe 41 extends through the end of the water pan and is bent downwardly and then up to form a U with a funneled mouth 42 extending slightly below the top of the radiator cover section and substantially in line with the top of the water pan. This pipe serves as a filling medium so that the water in the pan may be replenished without altering the adjustment of the radiator cover in any way. The pipe serves to indicate the amount of water in the pan, as the pan will not overflow until the water overflows from the funneled top of the pipe, and the height of the water in the pipe will be equal to the height of water in the pan.

By means of my invention a relatively small number of radiator covers may be carried in stock by a dealer, and still any usual form of radiator can be fitted. It is not necessary to employ a curtain or other drape over the cover, as the cover itself is finished decoratively and sets off a radiator to advantage. The water pan is concealed from view, and so the ensemble is not only appealing to the eye, but is also intensely practical.

Although I have described my invention in detail to acquaint those skilled in the art with the manner in which it may be practiced, it is obvious that I do not restrict myself to this specific form, and the invention is limited only by the scope of the appended claims.

What I claim as new and desire to secure by United States Letters Patent is:

1. An adjustable radiator cover comprising four corner sections of self supporting material, each section slidable with respect to the other to modify the size of said cover transversely or longitudinally.

2. An adjustable radiator cover comprising four corner sections of metal with ridges therein formed out of the normal plane of the metal to produce complemental tongues and grooves, so that the four sections may be assembled in adjustable relation to form a composite unit.

3. An adjustable radiator cover comprising four formed sections each constituting a corner of the cover with complemental tongues and grooves for assembling the sections into a composite unit, means carried by the sections for spacing the unit away from the radiator, and a humidifying water pan carried on the underside of one of the sections.

4. An adjustable radiator cover comprising four formed sections each constituting a corner of the cover with complemental tongues and grooves for assembling the sections into a composite unit, means carried by the sections for spacing the unit away from the radiator, a humidifying water pan carried on the underside of one of the sections, and a supply pipe extending from the pan to a position outside the cover and having a funnel filling orifice substantially level with the top of the pan.

5. An adjustable radiator cover comprising four formed sections each constituting a corner of the cover with complemental tongues and grooves for assembling the sections into a composite unit, a humidifying water pan carried by one of the sections, and supports secured on the bottom of two of the sections and having channel cross-pieces connected thereto adapted to engage the top of the radiator sections to support the cover away from the top of the radiator.

6. An adjustable radiator cover comprising four formed sections each constituting a corner of the cover and having a top portion, end portion and side portion, said sections formed of sheet metal and each section having joining grooves of a complemental character to hold them together in slidable relation, the grooves in each section being two on the top and one on each end and side.

7. An adjustable radiator cover comprising four formed sections each constituting a corner of the cover and having a top portion, end portion and side portion, said sections formed of sheet metal and each section having joining grooves of a complemental character to hold them together in slidable relation, the grooves in each section being two on the top and one on each end and side, the grooves on the sections which extend on the outside being formed with their edges contiguous so that the top of the cover forms a substantially smooth, flat surface.

8. A radiator cover adapted to be set down over the top of a radiator to conceal the entire top thereof, said cover comprising four corner sections each with a top portion, side portion and end portion, with complemental tongues and grooves carried by the sections

to permit said sections to be moved longitudinally or transversely with respect to each other to alter the effective size of the cover.

9. A radiator cover adapted to be set down over the top of a radiator to conceal the entire top thereof, said cover comprising four corner sections each with a top portion, side portion and end portion, with complemental tongues and grooves carried by the sections to permit said sections to be moved longitudinally or transversely with respect to each other to alter the effective size of the cover, and a channelled bracket secured to the under side of each cover section top portion, each bracket adapted for engaging over a radiator section to space the cover from the top of said radiator.

In witness whereof, I hereunto subscribe my name this 28th day of June, 1927.

MICHAEL LUERY.