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G. R. TELLANDER

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SHEET METAL RADIATOR SECTION

Filed Nov. 19, 1926

Fig. 1.

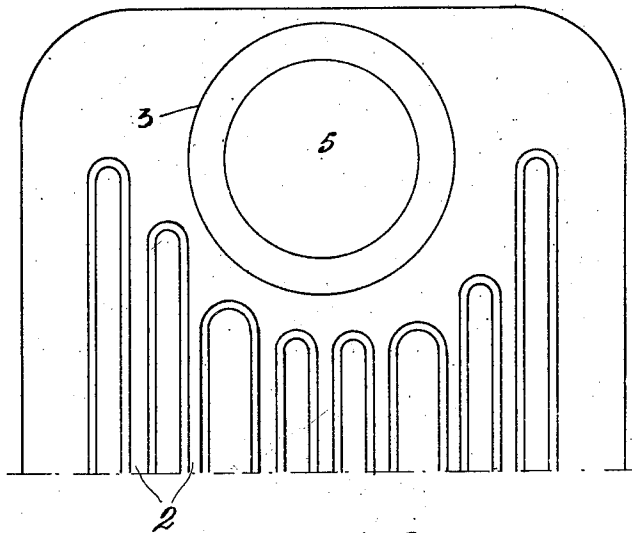


Fig. 2.

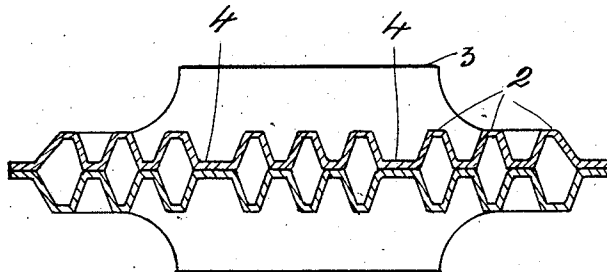
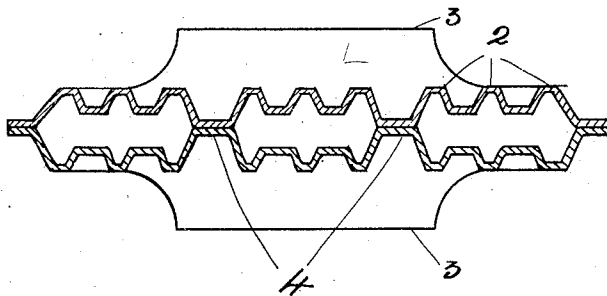


Fig. 3.



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SHEET-METAL RADIATOR SECTION.

Application filed November 19, 1926, Serial No. 149,449, and in Sweden January 18, 1924.

This invention refers to improvements in radiator sections of sheet metal, respectively radiators made of such sections, which sections are produced of plates joined along the edges, and the invention specially has in view to make the heating surface of the sections larger by maintenance of the breadth and height of the section and to attain this effect in such a way that the necessary strength of the section may be secured.

The invention is shown in the accompanying drawing. Fig. 1 is a side view and Fig. 2 a cross section of a radiator section, formed according to this invention. Fig. 3 shows a modification.

The circulation channels in the usual radiator sections mostly are formed by a few, three or four passage-forming projections, in the plate and in consequence get a small height in proportion to the breadth. This fact leads to the result that the sections have a comparatively small heating surface.

According to this invention the radiator section is formed of two corrugated sheet metal plates, each having a plurality of groups of passage-forming projections 2 and grooves 4 wider than the grooves between the projections of the groups. The projections 2 are semi-hexagonal and form hexagonal passages and the grooves 4 have flat bot-

toms and diverging sides and separate the groups and space them from one another, and the bottoms of the said grooves of two plates are welded together, the width of the grooves facilitating the welding. In Fig. 2 the bottoms of all the grooves of the two plates are in contact with each other, while in Fig. 3 the bottoms of the grooves 4 only are in contact.

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

A radiator section, comprising two corrugated sheet metal plates, each plate having a plurality of groups of passage-forming projections and grooves wider than the grooves between the projections of the groups of projections and separating and spacing the said groups, each group consisting of a plurality of projections of semi-hexagonal shape and each groove having a flat bottom and diverging sides, the plates being secured together at their edges and having the bottoms of the grooves separating the groups of projections welded together forming between said plates a plurality of groups of hexagonal passages.

In witness whereof, I have hereunto signed my name.

GUNNAR RICHARD TELLANDER.