June 16, 1925.

1,542,085

A. PERSSON

RADIATOR

Filed May 22, 1924

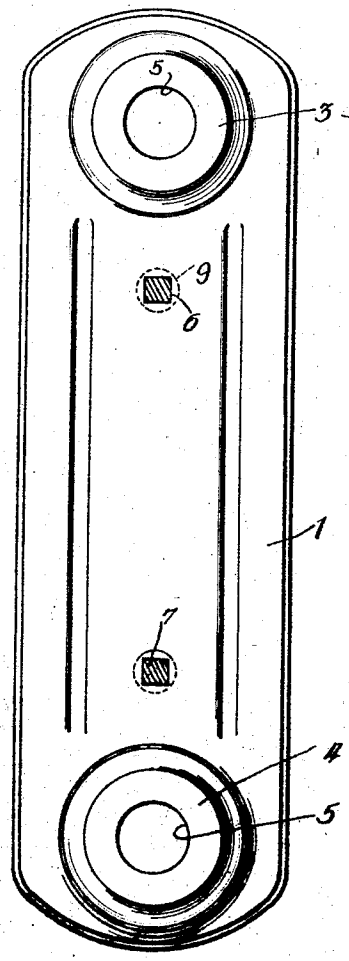


Fig. 1

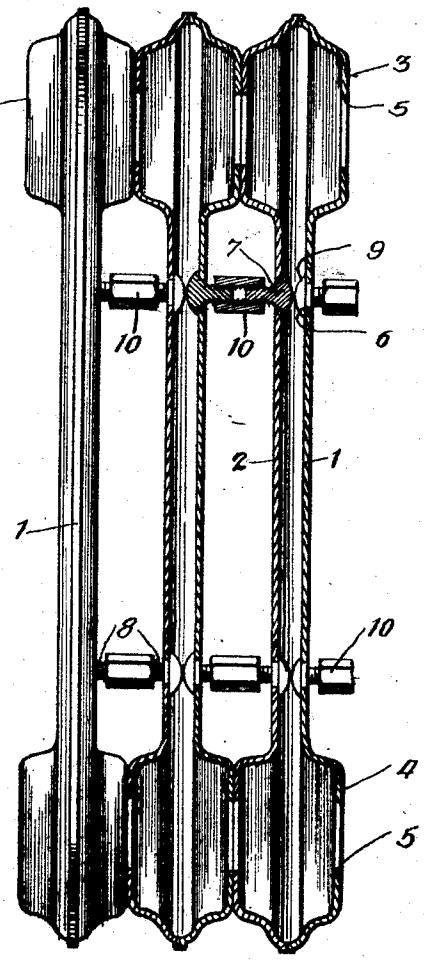


Fig. 2.

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UNITED STATES PATENT OFFICE.

ANTON PERSSON, OF CHARLEROI, PENNSYLVANIA.

RADIATOR.

Application filed May 22, 1924. Serial No. 715,066.

To all whom it may concern:

Be it known that I, ANTON PERSSON, a citizen of Sweden, residing at Charleroi, in the county of Washington and State of Pennsylvania, have invented certain new and useful Improvements in Radiators, of which the following is a specification.

This invention relates to improvements in sheet metal radiators and one object is to provide such a radiator that is simple in construction, cheap to manufacture and efficient in operation. A further object is to provide such a radiator formed of a plurality of sections adjustably secured together at top and bottom, each section comprising twin portions welded together along their margins.

More specifically the invention consists in the combination and arrangement of parts to be hereinafter fully described, pointed out in the appended claim and illustrated in the accompanying drawing which forms a part of this application and in which—

Fig. 1 is a face view of one radiator section showing, in section, the square portion of the adjusting screws.

Fig. 2 is a fragmentary view of a radiator, partly in section, constructed according to my present invention.

Like reference characters denote corresponding parts in both views.

Each radiator section is formed of the sheet metal halves 1, 2 welded together along their margins, each half being formed with the upper and lower bosses 3, 4 each formed with an opening 5 to permit circulation of the heating element. Each metal half is formed, further, with upper and lower square perforations 6 to receive and retain the square portion 7 of the adjusting screws 8 the heads 9 of which are disposed inside the radiator sections and the threaded ends of the screws extending toward each other between the radiator sections and being threaded in opposite directions and connected by the turnbuckles 10.

The adjacent halves of successive radiator sections are connected at top and bottom by the adjusting screws and turnbuckles described whereby adjustment may be made at top or bottom, or top and bottom, when desired or necessary, to take care of expansion or contraction of the metal during the different seasons of the year, to prevent leakage between the sections, etc.

What is claimed is:—

In a radiator, a plurality of sections each comprising halves welded together along their margins, each half being formed with upper and lower square perforations, adjusting screws formed with square shoulders disposed in the said square perforations, and a turnbuckle connecting the reversely threaded ends of said screws.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two subscribing witnesses.

ANTON PERSSON.

Witnesses:
GEO. W. RISBECK,
J. E. GARBUTT.