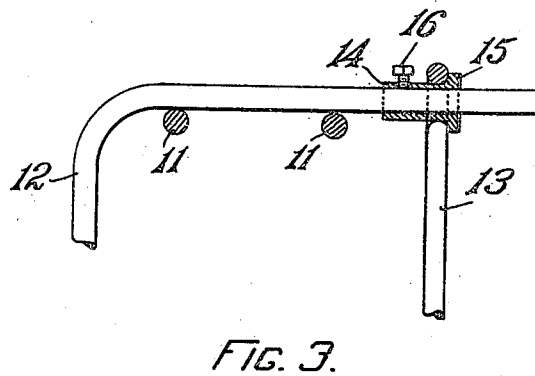
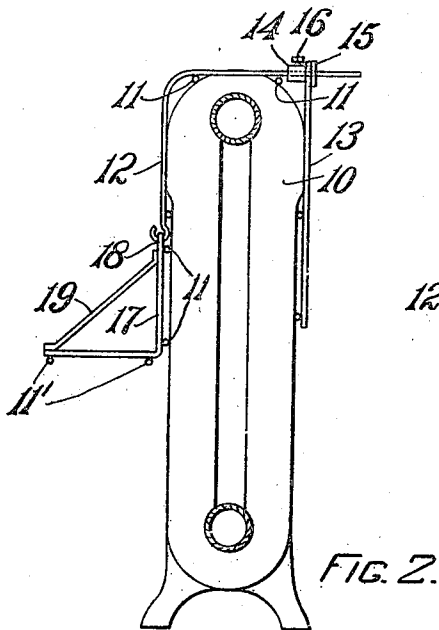
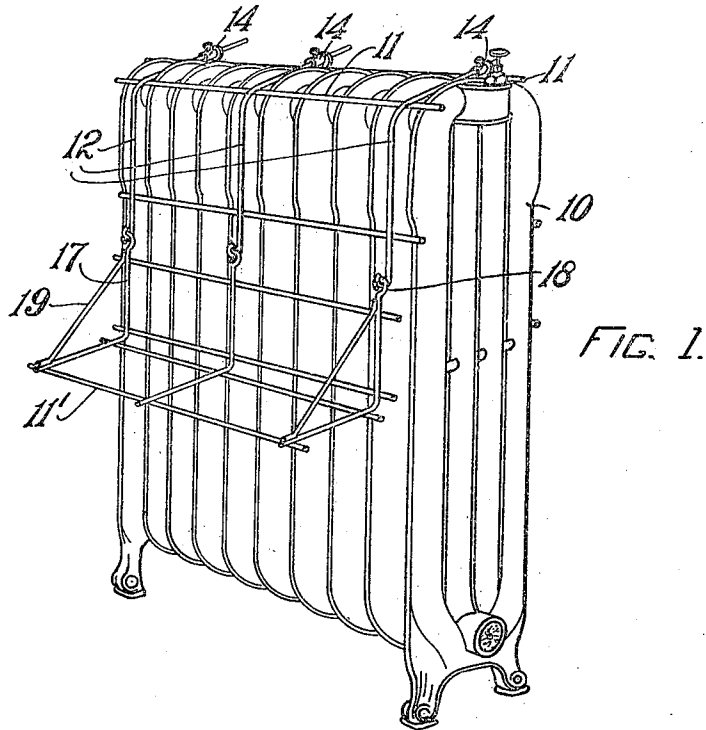


J. R. ENTWISTLE.
RADIATOR ATTACHMENT.
APPLICATION FILED SEPT. 29, 1909.

953,461.

Patented Mar. 29, 1910.



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JAMES R. ENTWISTLE, OF FRAMINGHAM, MASSACHUSETTS.

RADIATOR ATTACHMENT.

953,461.

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To all whom it may concern:

Be it known that I, JAMES R. ENTWISTLE, a citizen of the United States, residing at Framingham, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Radiator Attachments, of which the following is a specification.

This invention relates to improvements in attachments for radiators.

More particularly it relates to improvements adapted to provide a seat for a person in close proximity to steam radiators or hot water radiators of the ordinary type.

It is an object of the invention to provide such apparatus which may be firmly supported on various sizes and shapes of radiators and will in turn comfortably and firmly support the body of any person sitting upon it.

The objects of the invention are attained by the structure shown in the accompanying drawings in which—

Figure 1 represents in perspective an embodiment of the invention; Fig. 2 an end elevation of the same, in section, and Fig. 3, a detail enlarged.

Referring to the drawings, 10 represents a radiator composed as is customary of vertical members, and a horizontal top member running from end to end of the radiator. A series of parallel horizontal rods 11 are provided, adapted to rest against the front and back and top of the radiator and a series of other rods perpendicular thereto and divided into three sections are also provided as hereinafter explained. These have sections 12 which run vertically on the outside of the front and on the upper side of the top horizontal bars, and are fastened thereto by rivets or in any other suitable manner. The lower ends of said vertical sections 12 are formed into hooks, the purpose of which is hereinafter described. Their upper ends point horizontally toward the rear and are located over the top of the radiator. Another section of vertical rods 13 is provided at the back of the radiator having their upper portions formed into eyes. Horizontal socket pieces 14 are located in these eyes, pointing forward. One of these pieces is shown in a separate figure in the drawing on a larger scale, in which it is clearly seen that the socket piece consists of a tubular casting the rear end of which is somewhat enlarged exteriorly as at

15 so that it cannot pass through the eye or rod 13 and the forward portion of which is provided with a hole, having a screw thread adapted to receive a set screw 16. The tubular opening of this socket piece 14 is of suitable size to receive the rearwardly projecting ends of the front portions 12. The rear upright rods are spaced at the same distances apart as the front upright rods 12 so these front and rear uprights register together.

The parts are assembled by placing the rear rods 13 at the rear of a radiator with the socket piece 14 inserted through the eyes thereof and pointing forward over the top of the radiator; and then placing the rods 12 on the front of the radiator and pushing them backward into and through the sockets and fastening them there by the set screws when they have been pushed backward far enough so that the front and rear rods 11 lie snug against the front and rear uprights of the radiator 10.

The third sections 17 hang vertically from rods 12 and are provided with eyes 18 adapted to engage in hooks at the bottom ends of rods 12. These, like the rods 12, have back of them horizontal rods 11 adapted to rest against the front face of the radiator. The rods 17 are bent forward horizontally in their lower portion and have underneath said forwardly extending horizontal portions additional laterally extending horizontal rods 11'. Tie-rods 19 join the top and front ends of the rods 17 at the extreme sides, and thus, in combination with the horizontal rods 11', constitute supporting members by which the forward projecting portions of the one or more rods 17 between them are supported. A seat of any suitable sort may be placed thereon. The front rods 11 rest flat against the front of the radiator. The top rods 11 rest flat upon the top of the radiator; and the rear portions of the apparatus rest flat against the back of the radiator, the front and rear portions hanging vertically parallel to each other by reason of the adjustment provided at the socket and set screw.

Designs and forms of radiators vary greatly according to the location in which they are to be used, the purpose and contents of the radiator and the taste of the designer; but they are almost universally characterized by irregularity of their vertical lines. There is, however, a horizontal

uniformity in the vertical irregularities, and the apparatus herein described has horizontal elements adapted to co-act with these horizontal uniformities of any radiator; *i. e.* at any particular elevation the projecting front points of the various pipes of the radiator lie all in the same vertical plane, and a horizontal bar 11 can rest against them all. Therefore, the device fits the radiator intimately and rests firmly and securely in position thereon. For the same reason the seat section rests squarely against the front of the radiator and projects horizontally therefrom. All of this is regardless of the size of the top horizontal pipe connecting sections of the radiator. Because the vertical rods 12 are by the horizontal rods 11 prevented from entering between the vertical pipes of the radiator, the person sitting is guarded from undesired contact with said pipes and is not subject to the annoyance of having such pipes project between rods 12 against his person while sitting on the seat.

I claim:

1. A radiator attachment, comprising, in combination, vertical and horizontal rods fastened together, the horizontal rods being adapted to bear against the front, top and rear of a radiator; said vertical rods joining them and having portions departing from the vertical to go across the top of the radiator and join the front and rear vertical parts; the whole being adapted to support

an article horizontally close to the front of the radiator.

2. A radiator attachment, comprising, in combination, two sections, one back and the other front of a radiator; a seat carried by the front section; one of the sections having a portion covering the top of the radiator; and there being an adjustable fastening between said top portion and the other section.

3. A radiator attachment, comprising, in combination, a series of horizontal rods adapted to extend lengthwise of a radiator and bear against its front, top and rear; with a series of rods perpendicular thereto and fastened thereto, adapted to extend over the front, top and rear of the radiator; the whole supporting an article close to the front of the radiator.

4. A radiator attachment, comprising, in combination, a series of rods and means to hold them parallel to each other, said means being adapted to pass from the front over the top and to engage the rear of a radiator whereby said rods constitute elements co-acting with the horizontal uniformities in the vertical elements of the radiator.

Signed by me at Boston, Massachusetts this twenty-third day of September, 1909.

JAMES R. ENTWISTLE.

Witnesses:

JOSEPH T. BRENNAN,
MAY A. NYHAN.