Feb. 26, 1924. 1,485,178

J. C. FRANK

RADIATOR SUPPORT

Filed Feb. 19, 1923

Fig. 1.

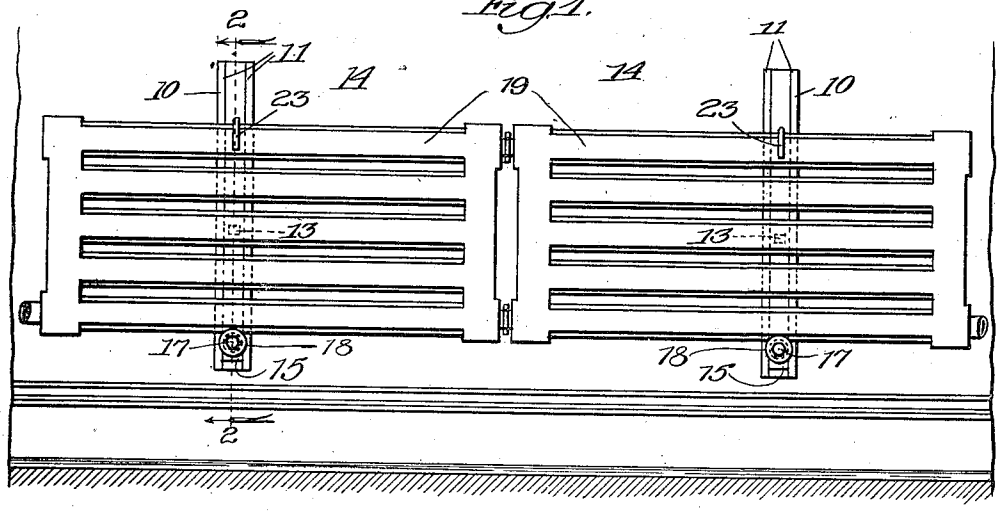


Fig. 2.

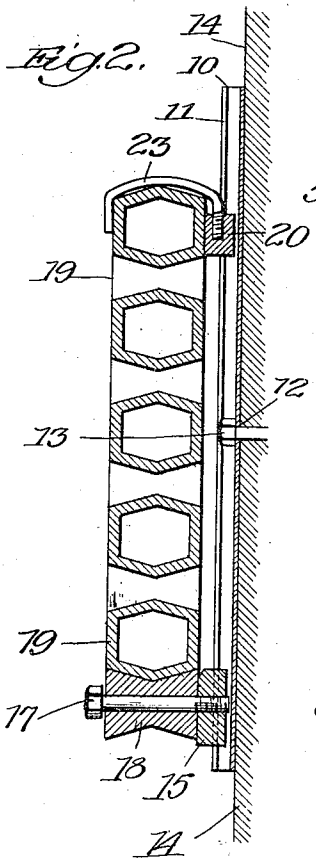


Fig. 3.

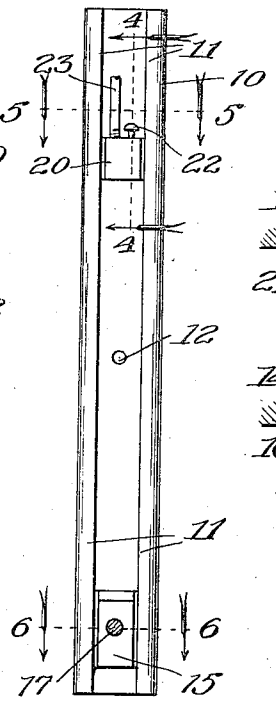


Fig. 4.

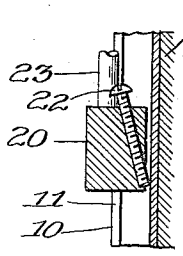


Fig. 5.

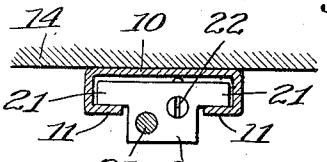
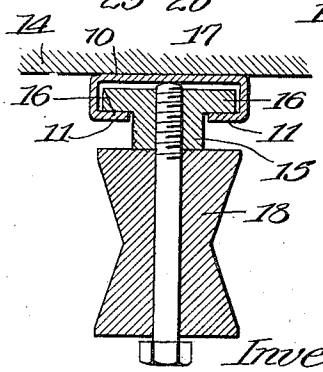


Fig. 6.



Inventor:
John C. Frank,
By Dyrenforth, Lee, Christian & Miles,
Attys.

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UNITED STATES PATENT OFFICE.

JOHN C. FRANK, OF CHICAGO, ILLINOIS.

RADIATOR SUPPORT.

Application filed February 19, 1923. Serial No. 619,920.

To all whom it may concern:

Be it known that I, JOHN C. FRANK, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Radiator Supports, of which the following is a specification.

This invention relates to radiator supports and the like and is fully described in the following specification and shown in the accompanying drawings in which:

Figure 1 is a front elevation of a sectional radiator attached to a wall by means of my radiator supports;

Fig. 2 is an enlarged section on the line 2, 2 of Fig. 1.

Fig. 3 is an enlarged front elevation of the radiator support and

Figs. 4, 5 and 6 are enlarged sections on the lines 4—4, 5—5 and 6—6 of Fig. 3.

The radiator support comprises a section 10 of substantially uniform cross section, the sides of which have inwardly turned flanges 11 which provide a section of substantially C-shape as shown in Figs. 5 and 6. This channel has one or more holes 12 adapted to receive a bolt 13 by which it is secured to a side wall 14 or the like. A block 15 having ears 16 is adapted to slide within the C-shaped channel and has a threaded hole through which a screw or bolt 17 may pass so that the bolt bears upon the central web of the channel and locks the block 15 against movement in the channel.

The bolt 17 also serves as a short axle upon which is journalled a roller 18.

This roller is preferably necked in the center to fit the V-shaped bottom of the radiator 19 which is of a well known design.

A block 20 as shown in Figs. 4 and 5 has similar lateral projections 21 which fit within the C-shaped channel member, the block 20 being adjustably secured in the channel by means of a screw 22 which is threaded through the block 20 at an angle so as to cause it to wedge between the lug and the web of the channel. This lug has a rod 23 secured thereto which may be bent over the top of the radiator 19 as shown in Fig. 2 to retain it in position.

In operation the channels 10 are secured to the wall in the desired positions by means of bolts 13. The radiators 19 are then brought to the desired position and the blocks 16 inserted and secured in place by the bolts 17, the weight of the radiator resting on the rollers 18.

The upper blocks 20 are then slid into position and the rods 23 bent over so as to embrace the upper portion of the radiator. The screw 22 is then tightened and the support is complete.

While I have shown and described certain embodiments of my invention, it is to be understood that it is capable of many modifications. Changes, therefore, in the construction and arrangement may be made without departing from the spirit and scope of the invention as disclosed in the appended claims, in which it is my intention to claim all novelty inherent in my invention as broadly as possible in view of the prior art.

What I regard as new and desire to secure by Letters Patent is:

1. A support for a radiator comprising, in combination, a member having a longitudinal way therein provided by a channel provided with a central back-forming web with overhanging flanges, a block T-shaped in cross-section slidable in said channel and behind said flanges, means carried by said block to support a radiator, and means coacting with the back of said channel to press said block against said flanges to hold the block in adjusted position.

2. A support for radiators and the like comprising a member having a longitudinal way therein provided by a channel provided with a central back-forming web with overhanging flanges, blocks T-shaped in cross section adapted to slide in said channel, means carried by one of said blocks to support said radiator, means carried by the other block to hold the radiator on said first mentioned means, and means coacting with the back of said channel to press said blocks against said flanges to hold said blocks in adjusted positions.

3. A support for radiators and the like comprising a member having a longitudinal channel therein provided with a central back-forming web with overhanging flanges, blocks T-shaped in cross section adapted to slide in said channel, a roller carried by one of said blocks, said roller having means for preventing lateral and permitting longitudinal movement of the radiator thereon, a screw carrying said roller and acting to press said block between a side of said channel and said flanges, and means carried by

the upper one of said blocks for guiding the upper part of said radiator.

4. A support for radiators and the like comprising a member having a longitudinal channel throughout its length and flanges overhanging said channel, blocks adapted to slide in said channel, a roller carried by one of said blocks, said roller being grooved for preventing lateral movement of the radiator thereon, a screw carrying said roller and screwed through the block and pressing upon the central back-forming web of said channel to press said block against said flanges, and means for guiding the upper part of said radiator carried by the other block.

5. A support for a radiator comprising, in combination a member of uniform cross-section having a channel therein provided with a central back-forming web and overhanging side flanges, a block T-shaped in cross section slidable in said channel, means carried by said block to support a radiator, and means impinging against said back-forming web to press said block against said flanges to wedge said block in said channel to hold it in adjusted position therein.

6. A support for radiators and the like comprising a trough-shaped channel-forming member having its sides turned inwardly to overhang said channel, blocks slidable in said channel, means carried by said blocks to guide and support a radiator, and means connected with said blocks and impinging against the rear of said channel to cause said blocks to tightly contact with the overhanging flanges of said channel whereby to hold the radiator in adjusted positions relative thereto.

JOHN C. FRANK.