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O. C. LITTLE

RADIATOR SUPPORT

Filed Sept. 29, 1922

Fig. 1.

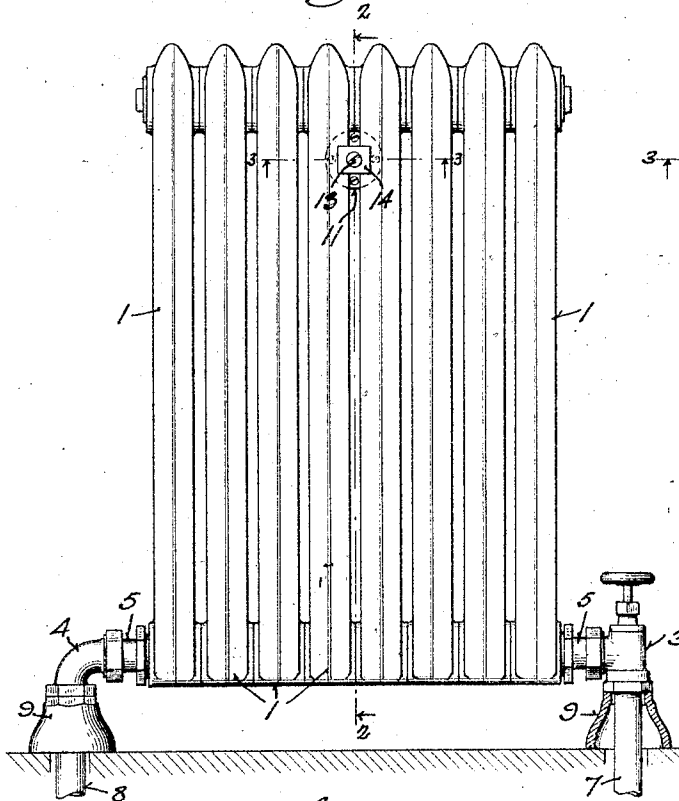


Fig. 2.

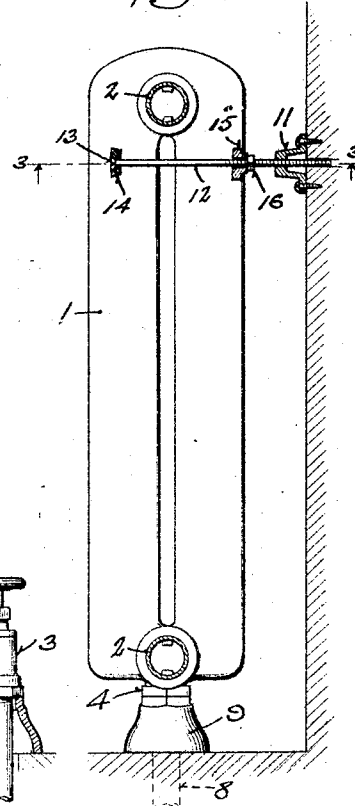
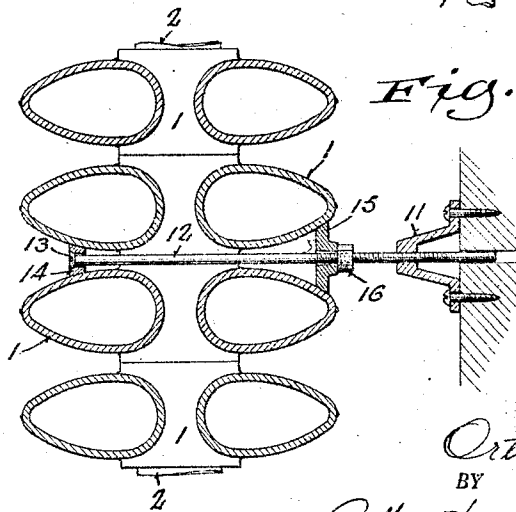


Fig. 3.



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RADIATOR SUPPORT.

Application filed September 29, 1922. Serial No. 591,346.

To all whom it may concern:

Be it known that I, ORTON C. LITTLE, a citizen of the United States, residing at Menasha, in the county of Winnebago and State of Wisconsin, have invented certain new and useful Improvements in Radiator Supports, of which the following is a specification, reference being had to the accompanying drawing, forming a part thereof.

The main objects of this invention are to dispense with the legs or feet with which radiators are usually provided and which make it difficult or impossible to clean and refinish floors underneath them; to prevent the uncleanly, unsightly and insanitary conditions incident to the use of the ordinary supporting legs or feet on radiators; and to facilitate the construction and installation and generally improve the construction of radiators.

It consists in the construction, arrangement and combination of parts as hereinafter particularly described and pointed out in the claims.

In the accompanying drawings like characters designate the same parts in the several figures.

Figure 1 is a front elevation of a sectional radiator to which supports embodying the present invention are applied; Fig. 2 is a vertical section of the radiator on the line 2—2, Fig. 1; and Fig. 3 is an enlarged cross section of a portion of the radiator on the line 3—3, Figs. 1 and 2.

As shown by the drawing, the supports constituting the present invention are applied to a radiator of a common construction, composed of sections 1, except that the usual legs or feet are omitted from the end sections, leaving a clear space for sweeping, dusting, scrubbing and refinishing the floor underneath the radiator.

The several sections of the radiator in the present instance are connected with one another, as usual, by nipples 2, as shown in Fig. 2, and at their lower ends the end sections are provided with the usual fittings, a valve 3 at one end, and an elbow 4 at the other end, connected therewith by nipples 5, as shown in Fig. 1, or in the usual or any suitable manner.

Vertical inlet or supply and outlet or exhaust pipes 7 and 8, passing as usual through openings in the floor over which the radiator is placed, are threaded in or

coupled with the lower ends of the fittings 3 and 4.

Bell-shaped or downwardly flaring tubular stands or floor supports 9, loosely fitting around the pipes 7 and 8, are interposed between the fittings 3 and 4 and the floor, with their larger lower ends resting firmly on the floor and their smaller upper ends forming seats for the lower ends of the valve 3 and elbow 4 to rest upon.

The upper ends of the stands or supports 9 are preferably made, for the sake of appearance, of hexagonal or polygonal form, as shown, to correspond in size and shape with the hexagonal or polygonal lower ends of the fittings 3 and 4, which rest thereon and are secured thereto by the pipes 7 and 8. The enlarged lower ends of the stands 9 cover the floor openings through which the pipes 7 and 8 pass, and take the place of the ordinary floor plates or collars used for this purpose.

Being set out from the ends of the radiator, where they are exposed and easily accessible, the stands 9 with their smooth exterior surfaces, are easily kept clean and leave a clear, unobstructed space for sweeping, dusting, scrubbing and refinishing the floor underneath the radiator, thus tending to avoid accumulation of dirt and dust underneath the radiator, and the uncleanly, unsightly and insanitary conditions incident to the use of supporting legs or feet formed on the end sections of the radiator, according to the usual practice.

To prevent the radiator from swaying forward or backward, and to relieve its pipe connections on which it is supported adjacent the floor, from undue strain that might cause leaks or injury, it is connected with the wall behind it, by one or more stays, as shown in Figs. 2 and 3. One such stay is shown for this purpose, located between the two middle sections just below their top connection with each other. It comprises a wall bracket or plate 11, screwed or otherwise fastened to the wall behind the radiator; a rod 12, threaded and adjustable in the bracket and provided at its outer end with a head 13, such as a slotted screw head, for turning and adjusting it; and two bearing heads or pieces 14 and 15, loosely fitted on the rod and beveled or formed at the ends as shown in Fig. 3, to fit between adjoining radiator sections

against which they are seated, the front head 14 being seated against the front columns of the section as shown, or against the rear columns thereof, as it may be.

- 5 The rod 12 is provided with a nut 16, threaded and adjustable thereon between the bracket 11 and the rear bearing head 15, the rod being made of sufficient length to accommodate itself to radiator sections of
10 different dimensions and different distances between the radiators and the walls behind them, and a hole being bored or drilled in the wall to receive any surplus length of the rod at its inner threaded end.
- 15 The wall bracket or plate 11 being fastened to the wall behind the radiator in proper position, and other parts of the stay assembled as shown, the rod 12 is screwed into the bracket 11 till the front bearing
20 head 14 is properly positioned between adjoining radiator sections, when the radiator is set in a true perpendicular position. The nut 16 is then turned forward against the rear bearing head 15, to force it into snug
25 engagement with adjoining radiator sections and to firmly anchor the radiator in place adjacent its upper end.
- Sufficient play is allowed the pipes 7 and 8 in the openings in the upper ends of the
30 stands 9 through which they pass and on which the fittings 3 and 4 rest, to allow for

ordinary expansion and contraction of the radiator under varying conditions of temperature, and to avoid undue strain on and injury to its pipe connections.

Various modifications in minor details of construction and arrangement of parts may be made without departure from the principle and scope of the invention, as defined in the following claims.

I claim:

1. A radiator support consisting of a tubular stand adapted to surround a radiator pipe connection and to rest at its lower end on a floor and provided at the upper end
45 with a seat for a radiator pipe-fitting to rest upon and to support the radiator from the floor outside of the ends of the radiator.

2. In combination, a radiator, fittings extending outwardly from the ends thereof,
50 vertical pipes connected to said fittings and providing inlet and outlet connections for said radiator, and tubular members having a loose fit with respect to said pipes and arranged thereon between the supporting floor
55 and the adjacent ends of said fittings, the upper ends of said members providing seats for said fittings whereby said pipes are relieved of the weight of said radiator.

In witness whereof I hereto affix my
signature.

ORTON C. LITTLE.