

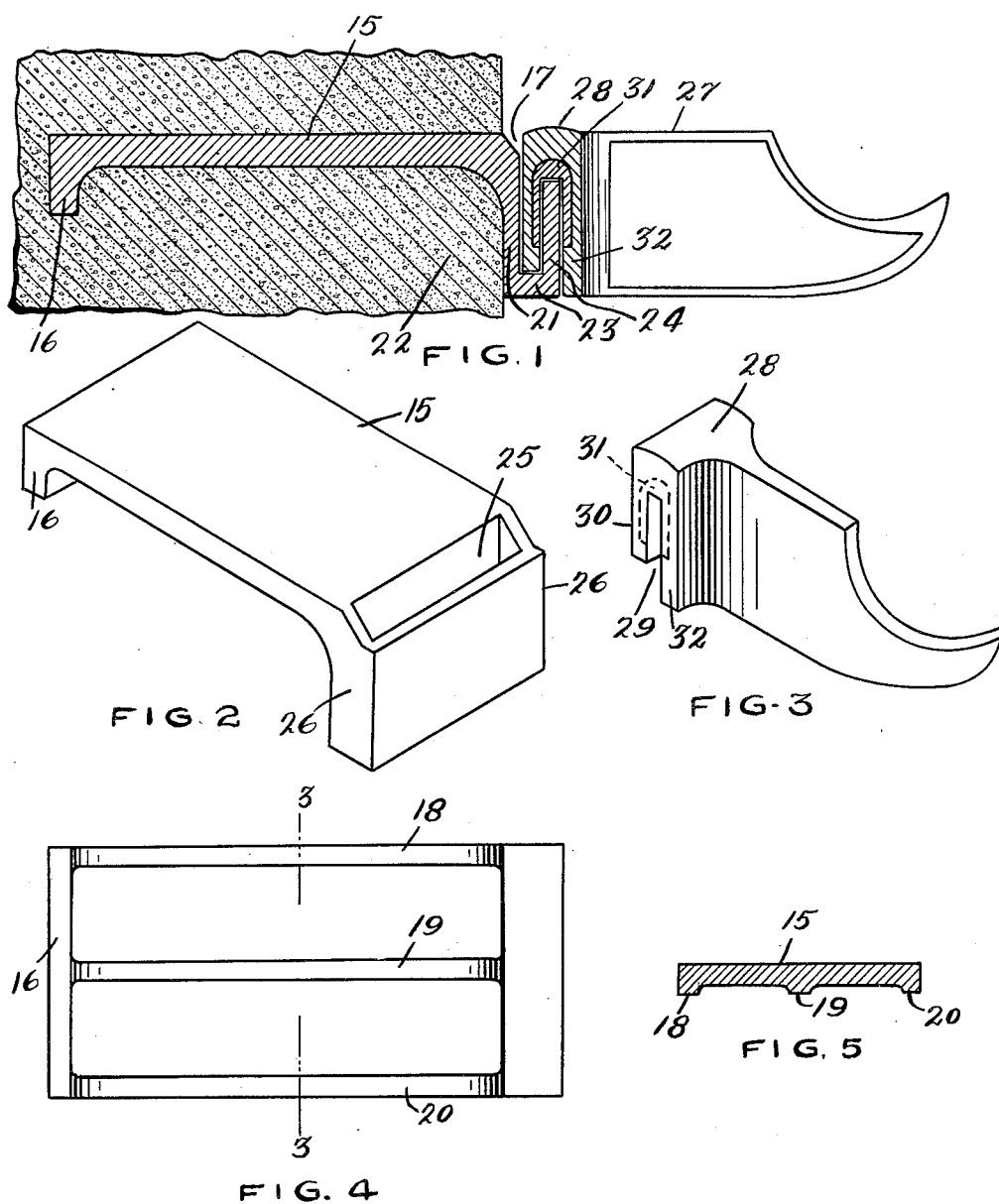
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SUSPENSION WALL BRACKET

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UNITED STATES PATENT OFFICE

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SUSPENSION WALL BRACKET

Application filed June 24, 1931. Serial No. 546,503.

The invention relates to a suspension wall bracket, as described in the present specification and illustrated in the accompanying drawing that forms part of the same.

5 The invention consists essentially of the stability of the support and means employed for affording lateral adjustment as pointed out in the claim for novelty following a description in detail of the insert and suspension seat.

10 The objects of the invention are to facilitate the installation of wall radiators in apartment houses, hotels, residences and such other places as may require this particular type of radiating device, especially in meeting the more modern requirements of recess radiators, where it is desirable on occasions to remove the radiator for repairs and replacements; to rigidly attach the bracket to the wall and yet allow such adjustments as may be required to escape obstructing parts in either the radiator or the wall; to eliminate disfiguring supports and maintain the radiator in a fixed position in relation to the wall and at the same time promote the circulation of convection air currents by the assurance of free passages around and about the tubular heating members; and generally to provide a simple and efficient means of supporting wall radiators.

15 In the drawing, Figure 1 is a sectional view of an insert member contained in a building wall and supporting a seat for a radiator tubular member, also shown partly in section.

20 Figure 2 is a perspective detail of the wall insert.

Figure 3 is a perspective detail of the projecting radiator seat.

25 Figure 4 is a plan view of the underside of the insert.

Figure 5 is a cross sectional view of the insert.

Like numerals of reference indicate corresponding parts in the various figures.

30 Referring to the drawing, the insert indicated by the numeral 15, is formed of a metal plate having the downwardly extending flange 16 at the rear end and the pocket or recess 17 at the front end, and between said flanges and inner wall of the pocket or re-

cess the ribs 18, 19 and 20, the ribs 18 and 19 being at the longitudinal edges of the plate from the undersides and the rib 19 being centrally therebetween.

The inner wall 21 of the pocket or recess 17 curves outwardly and downwardly beyond and against the building wall 22, and joins the bottom 23, which in turn joins the front wall 24 which extends upwardly and terminates slightly below the underside of the insert plate 15, but quite beyond the building wall and forming with the inner wall 21 the opening 25 extending nearly the full width of the plate allowing only for the end walls 26 of the pocket or recess.

35 The suspension seat, indicated by the numeral 27 is in bill form and projects outwardly from a widened body portion 28 in which the slot 29 extends upwardly from the underside to form the tongue 30, the bill and body of the suspension seat being preferably of cast iron with a lining 31 of steel for the inner walls of the slot 29 and introduced in the process of moulding.

The body 28 is of considerably smaller dimensions than the width of the pocket or recess 17, consequently on the insertion of the tongue 30 there is ample room for adjusting purposes by sliding the body 28 along the pocket or recess 17, the inner wall 32 of the slot 29 being longer than the tongue 30 thereby affording greater strength and stability in the support of the radiator.

40 The insert 15 is introduced in the wall of the building whether it is of brick or cement or other material, preferably during building operations and according to plans, therefore all that is necessary in the installation of the radiator is to introduce the hooked ends of the suspension seats into the pockets or recesses at the outer ends of the inserts and to adjust these suspension seats in such a manner so as to escape all obstructions in the radiators, such as fins, vertical tubes and other parts that there may be in the way of the support.

What I claim is:—

45 An insert plate having a gripping flange at its inner end adapted to be buried in the wall and an overhanging front end adapted

to abut the wall and forming a hook, side
walls reinforcing said hook and forming a
socket therewith and a bill hook having its
inner end slotted and reinforced by a bushing
5 to form a tongue adapted to be introduced in
said socket.

Signed at Montreal, Canada, this 20th day
of May, 1931.

THOMAS ERNEST McGRAIL.

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