Jan. 19, 1926. 1,570,407

A. SEIDEL

WALL RADIATOR SUPPORT

Filed Sept. 28, 1925

Fig. 1

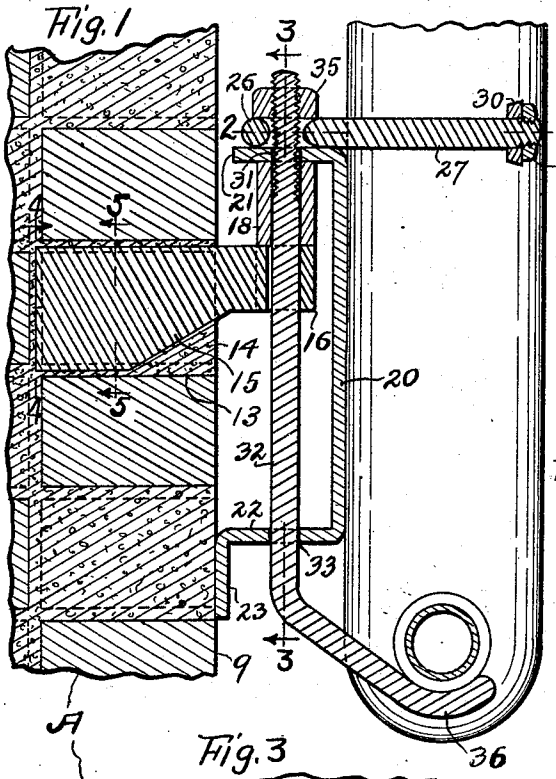


Fig. 2

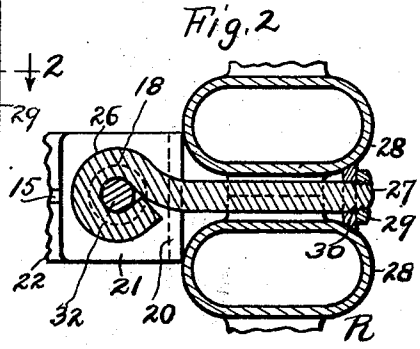


Fig. 4

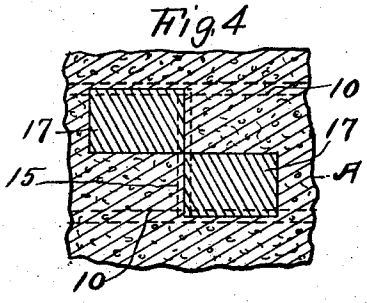


Fig. 3

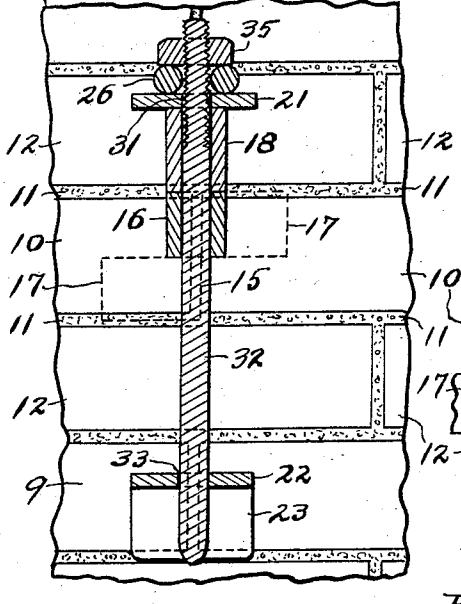


Fig. 6

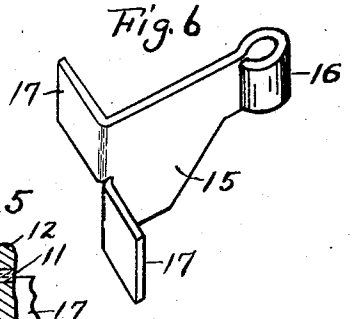
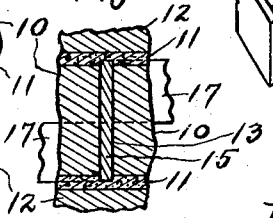


Fig. 5



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UNITED STATES PATENT OFFICE.

ALBIN SEIDEL, OF CLEVELAND, OHIO, ASSIGNOR TO THE BECKER-SEIDEL COMPANY, OF CLEVELAND, OHIO, A CORPORATION OF OHIO.

WALL-RADIATOR SUPPORT.

Application filed September 28, 1925. Serial No. 58,973.

To all whom it may concern:

Be it known that I, ALBIN SEIDEL, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Wall-Radiator Support, of which the following is a specification.

This invention relates to improvements in wall-radiator supports, and pertains more especially to a support which comprises a bracket adapted to extend from within an upright wall to and beyond the face of said wall, and also comprises means adapted to participate in supporting a radiator from said bracket.

One object of this invention is to avoid mutilation of said wall by bolts or screws in securing a wall-radiator support to said wall, to render said support efficient and highly practical, and to facilitate an accurate installation of said support.

Another object is to facilitate the assemblage of the component parts of my improved wall-radiator support, and to render said support simple and durable in construction.

With these objects in view, and to attain other objects hereinafter appearing, this invention consists in certain features of construction, and combinations and relative arrangement of parts, hereinafter described in this specification, pointed out in the claims and illustrated in the accompanying drawings.

In said drawings, Figure 1 is a central vertical section of a wall-radiator support embodying my invention, and illustrates said support as applied to a brick wall shown in section. Fig. 2 is a horizontal section taken along line 2—2 in Fig. 1, looking downwardly. Fig. 3 is a vertical section taken along line 3—3 in Fig. 1, looking toward the wall. Fig. 4 is a vertical section taken along line 4—4 in Fig. 1, looking outwardly. Fig. 5 is a vertical section taken along line 5—5 in Fig. 1, looking inwardly. Fig. 6 is a perspective view of the hereinbefore mentioned bracket detached.

Referring to said drawings, 9 (see Figs. 1 and 3) indicates the face of a portion of a brick wall A of a room or space to be heated, and 10 (see Figs. 3 and 5) indicates two spaced horizontally alined adjacent bricks of said wall, and said bricks are cemented, as at 11, to adjacent bricks 12 of the wall. The space 13 between the bricks 10 is occupied partially by cement 14, as shown in Fig. 1 and, in the main, by a metal plate 15 which, as shown in Figs. 1 and 5, is arranged on edge between said bricks. The plate 15 forms a substantially horizontal bracket and one of the component parts of my improved wall-radiator support and is shown, in Fig. 1, as extending from within the wall A to and beyond the face 9 of said wall. The plate or bracket 15 has its free end portion in the form of a substantially vertical tubular member or eye 16 adapted to participate, as will hereinafter appear, in supporting a wall-radiator, and said bracket is provided, at its opposite end portion, with two arms 17 shown, in Fig. 4, as embedded in the wall A and as extending the one opposite the back of the one of the bricks 10 and the other opposite the back of the other of said bricks (see also Figs. 3 and 5). The bracket 15 is shown detached in Fig. 6.

My improved wall-radiator support (see Figs. 1 and 3) comprises a rigid upright spacing tube 18 made preferably of metal, and said tube is supported on the free end of the bracket 15 and registers with the bracket-eye 16. Said support also comprises an upright abutment-member 20 preferably composed of a single metal piece and adapted to serve as an abutment for the back of a wall-radiator R. The abutment-member 20 extends opposite the free extremity of and above and below the bracket 15 and is arranged adjacent the eye 16.

The abutment-member 20 (see Figs. 1 and 3) has a substantially horizontal upper flange 21 seated on the upper end of and therefore supported from the spacing tube 18, and said abutment-member also has a substantially horizontal lower flange 22 extending under and spaced from the free end of the bracket 15 and terminating in a downwardly projecting portion 23 abutting against the wall A.

The eye 26 of a substantially horizontal eye-bolt (see Figs. 1, 2 and 3) lies on and is therefore supported from the upper flange 21, and the shank 27 of said bolt is shown as extending between two adjacent upright sections 28 of the wall-radiator R and is adapted to participate in holding the radiator against the abutment-member 20, and in Figs. 1 and 2 a nut 29 is shown screwed onto the free end portion of said shank and

against a wedge-block 30 mounted on said shank and interposed between said nut and external surfaces of said radiator-sections.

A substantially vertical endwise adjustable rod 32 (see Figs. 1, 2 and 3) extends loosely through a hole 31 formed in and extending vertically through the upper flange 21 and registering with the spacing tube 18. Said rod extends loosely through said spacing tube and loosely through and above the eye 26 of the eye-bolt and loosely through the eye 16 of the bracket 15 and loosely through a hole 33 formed in the lower flange 22 and in line vertically with the upper flange 21. The eyes 16 and 26 and the spacing tube 18 are substantially in line vertically. The upper end portion of the rod 32 (see Figs. 1 and 3) is screw-threaded, and a nut 35 is screwed onto said rod above and against the bolt-eye 26. By the hereinbefore described construction and relative arrangement of the parts it will be observed that the eye-forming end portion of the eye-bolt is interposed between the nut 35 and the upper flange 21 and extends circumferentially of the rod 32, and that said portion of said bolt and the spacing tube 18 are respectively arranged next above and next below said flange.

The rod 32 has means for forming a seat for the radiator, and, as shown in Fig. 1, said rod is provided, below the lower flange 22, with a member 36 arranged to extend under a portion of the radiator R and serving as said seat. The rod 32 is long enough to permit vertical readjustment thereof independently of the abutment-member 20, and the nut 35 is manipulated to accommodate said readjustment of said rod.

The abutment-member 20 and the rod 32 are long enough to permit replacement of the illustrated spacing tube 18 by a somewhat shorter or longer spacing tube according as said abutment-member is to be lowered or raised in relation to the bracket-eye 16 independently of said rod, and the nut 35 and the hereinbefore mentioned eye-bolt are readjusted vertically to accommodate vertical readjustment of said abutment-member independently of said rod. I would here remark that the interposition of the spacing tube 18 between the bracket 15 and the upper flange 21 is of vast importance to facilitate an accurate installation of my improved wall-radiator support.

What I claim is:

1. A wall-radiator support comprising a bracket adapted to extend from within a wall to and beyond the face of said wall, a rigid upright spacing tube supported on the free end of said bracket, an upright abutment-member which is adapted to form an abutment for the back of a wall-radiator and arranged opposite the free extremity of and extends above and below said bracket and has an upper flange supported on the spacing tube and a lower flange extending under and spaced from said bracket and adapted to abut against the aforesaid wall, an eye-bolt adapted to participate in holding the radiator against said abutment-member and having its eye supported on the aforesaid upper flange, an endwise adjustable rod which extends substantially vertically between and through said flanges and through the spacing tube and through and above said eye and has a screw-threaded upper end portion, and a nut screwed onto said rod above said eye, said rod being provided, below the aforesaid lower flange, with a member arranged to form a seat for the radiator, and said eye and the spacing tube being alined substantially vertically.

2. A wall-radiator support comprising a bracket adapted to extend from within a wall to and beyond the face of said wall, a rigid upright abutment-member which is adapted to serve as an abutment for the back of a wall-radiator and arranged opposite the free extremity of and extends above and below said bracket and has an upper flange extending over the free end of and supported from said bracket and also has a lower flange extending under and spaced from said bracket and adapted to abut against the aforesaid wall, and a bolt adapted to participate in holding the radiator against said abutment-member and having one end portion thereof lying on the aforesaid upper flange, an endwise adjustable rod which extends between and through said flanges and above said bolt and has a screw-threaded upper end portion and is provided, below the aforesaid lower flange, with a seat for the radiator, and a nut threaded onto said rod above the aforesaid end portion of said bolt, said end portion of said bolt extending circumferentially of said rod between the nut and the aforesaid upper flange.

3. A wall-radiator support comprising a plate which is arranged on edge and adapted to extend from within an upright wall to and beyond the face of said wall and has its free end in the form of a substantially vertical eye, an upright abutment-member which is adapted to serve as an abutment for the back of a wall-radiator and extends above and below said eye and has an upper flange supported from said plate and a lower flange extending under and spaced from said eye and adapted to abut against the aforesaid wall, and upright rod which has a screw-threaded upper end portion and is provided below the aforesaid lower flange with a seat for the radiator and extends between and through said flanges and through said eye, and a substantially horizontal bolt adapted to participate in holding the radiator against the aforesaid abutment-member and having

an end portion which is interposed between said nut and the aforesaid upper flange and extends circumferentially of said rod.

4. A wall-radiator support comprising a plate which is arranged on edge and adapted to extend from within an upright wall to and beyond the face of said wall and has its free end in the form of a substantially vertical eye, an upright rigid spacing tube supported on and registering with said eye, a rigid upright abutment-member which is adapted to serve as an abutment for the back of a wall-radiator and arranged adjacent and extends above and below said eye and has an upper flange supported on the spacing tube and a lower flange extending under and spaced from said eye, an upright rod which has a screw-threaded upper end portion and extends through said eye and through the spacing tube and through and below said lower flange and through and above the aforesaid upper flange and terminates, at its lower end, in a member adapted to serve as a seat for the radiator, a nut threaded onto said rod and spaced upwardly from said upper flange, and a substantially horizontal bolt adapted to participate in holding the radiator against the aforesaid abutment-member and having an end portion which is interposed between said upper flange and said nut and extends circumferentially of the aforesaid rod.

I testimony whereof, I sign the foregoing specification.

ALBIN SEIDEL