J. W. MOORE.

WALL HANGER FOR RADIATORS.

APPLICATION FILED DEC. 10, 1920.

1,410,110. Patented Mar. 21, 1922.

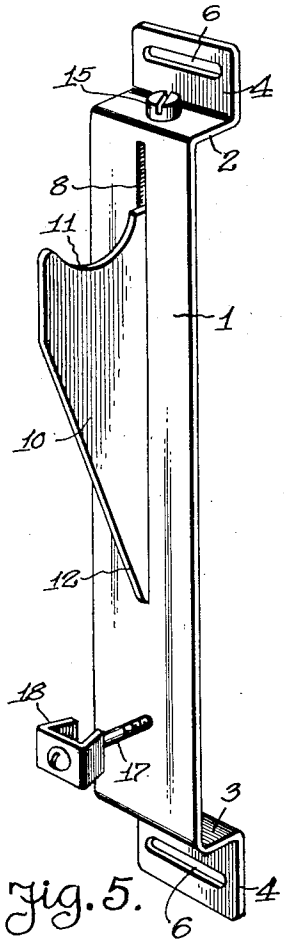

Fig. 5.

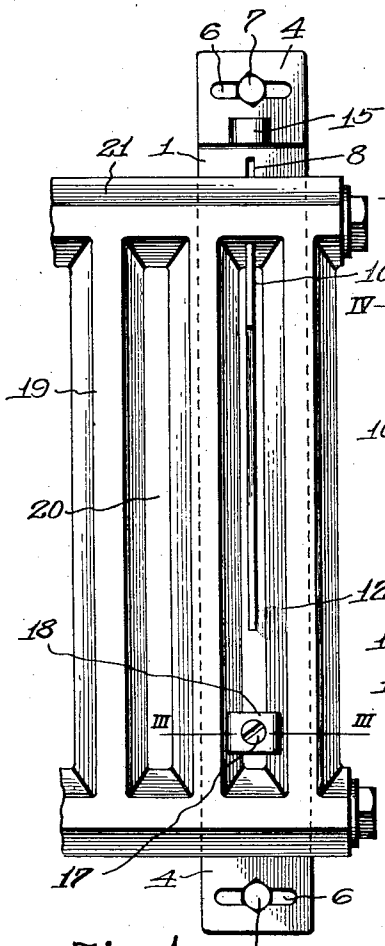

Fig. 1.

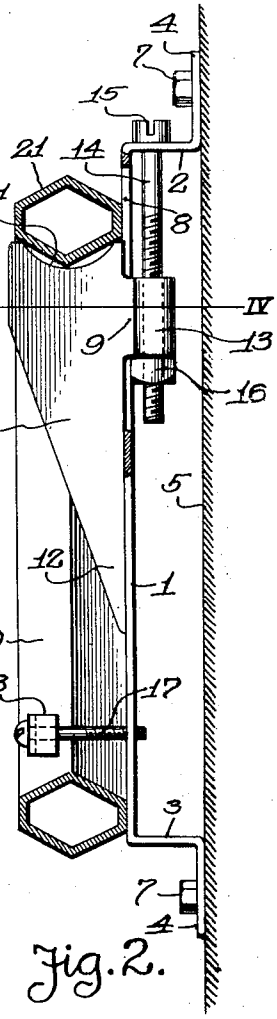

Fig. 2.

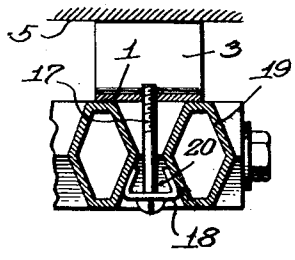

Fig. 3.

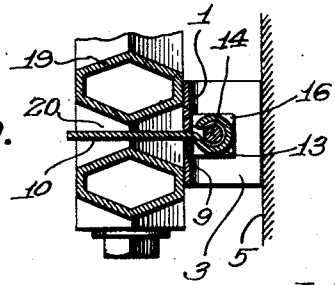

Fig. 4.

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WALL HANGER FOR RADIATORS.

1,410,110. Specification of Letters Patent. Patented Mar. 21, 1922.

Application filed December 10, 1920. Serial No. 429,636.

To all whom it may concern:

Be it known that I, JOHN W. MOORE, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Wall Hangers for Radiators, of which the following is a specification, reference being had therein to the accompanying drawings.

In Patent No. 1,306,272, granted June 10, 1919, there is disclosed a wall hanger for radiators and some objection has been made to the wall hanger due to the fact that it consists of a multiplicity of parts expensive to manufacture; must be changed for radiators of other designs than that shown in the patent, and, requires careful attention and skill to correctly position the wall hanger to support a radiator in a desired position relative to a wall.

My invention aims to provide a wall hanger for radiators which is more durable, composed of less parts, neater in appearance and less difficult to install than the wall hanger previously referred to. On account of the radiator having a fixed construction it is obvious that the radiator cannot be changed, at will, to meet the requirements of the wall hanger, and since radiators must be placed in defined positions relative to other fixtures, it is essential that the wall hanger or supporting means for the radiator be capable of adjustment, not only to accommodate the radiator at a predetermined position, but to facilitate installing.

The construction of my improved wall hanger will be hereinafter described and then claimed, and reference will now be had to the drawing, wherein—

Figure 1 is a front elevation of the wall hanger as supporting a portion of a radiator;

Fig. 2 is a vertical sectional view of the same, partly in elevation;

Fig. 3 is a horizontal sectional view taken on the line III—III of Fig. 1;

Fig. 4 is a similar view taken on the line IV—IV of Fig. 2, and

Fig. 5 is a perspective view of the wall hanger.

In the drawing, the reference numeral 1 denotes an oblong bracket plate having the ends provided with lateral flanges 2 and 3 and vertical wall engaging flanges 4. The wall engaging flanges 4 are in a common vertical plane and when engaging a wall 5 are adapted to support the plate 1 in spaced relation to the wall, not only to maintain a radiator away from the wall 5, but to provide clearance for supporting and adjusting means for the radiator. The wall engaging flanges 4 have longitudinal slots 6 providing clearance for wall fasteners 7, for instance screw bolts that extend through the slots 6 and clamp the wall engaging flanges 4 against the wall 5. The slots 6 permit of lateral shifting of the bracket plate 1 prior to the wall fasteners being tightened or made permanent.

The bracket plate 1 has a central longitudinal slot 8 at its upper end and slidable in the slot 8 is the web 9 of a radiator support 10, said support being in the form of a blade or arm having its upper end provided with a seat 11 and its lower end extending on to the bracket plate 1 below the slot 8.

The support web 9 is provided with a sleeve 13 and loose in said sleeve is a screw bolt 14 rotatable in the flange 2 of the bracket plate 1 and supported relative to said flange by the head 15 resting on said flange. The lower end of the screw bolt 14 has a nut 16 on which the sleeve 13 of the support 10 is supported, and said nut is prevented from rotating by the facets thereof engaging the inner wall of the bracket plate 1, as best shown in Fig. 2.

Adjacent the lower end of the bracket plate 1 and below the support 10 is an outwardly extending adjustable screw bolt 17 provided with a clamping head 18 which is loose on the screw bolt, and said screw bolt and its clamping head constitute a clamping device adapted to cooperate with the support 10 in retaining a radiator 19 in engagement with the bracket plate 1. The radiator 19 has been illustrated as a conventional form of wall radiator having spaces or interstices 20 between the columns or units of the radiator structure, and it is into one of these spaces 20 of the radiator that the support 10 extends so that the head 21 of the radiator may rest on the seat 11 of the support 10. The screw bolt 17 extends through the same space with the clamping head 18 shaped or of such configuration as to engage walls of the radiator column, as best shown in Fig. 3. With the screw bolt 17 tightened to clamp the head 18 against the radiator columns the lower portion of the radiator 19 cannot be swung outwardly relative to the bracket plate 1, and the weight

of the radiator is sufficient to retain it on the seat 11 of the support 10. By using one or more of the wall hangers a radiator may be safely supported relative to the wall 5 and when the radiator is placed on the wall hangers, the supports 10 may be adjusted by rotating the screw bolts 14 to support the radiator at a desired elevation relative to the wall hanger. Since there are ordinarily a plurality of the spaces 20 in a radiator it is obvious that after the wall hangers are attached to the wall 5 the radiator may be correctly positioned on the support 10 relative to the bracket plate 1, and then if further adjustment is required, the wall hangers may be laterally shifted.

I attach considerable importance to the simplicity of construction entering into my invention and especially a construction which contributes to adjustment of the bracket plate relative to a wall, and the support 10 relative to the bracket plate 1. While the drawing shows a wall hanger as constructed and used, yet I do not care to confine myself to the precise construction other than defined by the appended claim.

What I claim is:—

A wall hanger for radiators comprising a support consisting of a web and a sleeve, a bracket having a laterally offset central portion slotted to receive the web of the support with the lower portion of the web bearing on the front of the bracket and the sleeve arranged at the upper portion of the web behind the bracket, a bolt extending through the bracket and through the sleeve and a nut on the bolt engaging the lower end of the sleeve for vertical adjustment of the support.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN W. MOORE.

Witnesses:
ANNA M. DORR,
KARL H. BUTLER.