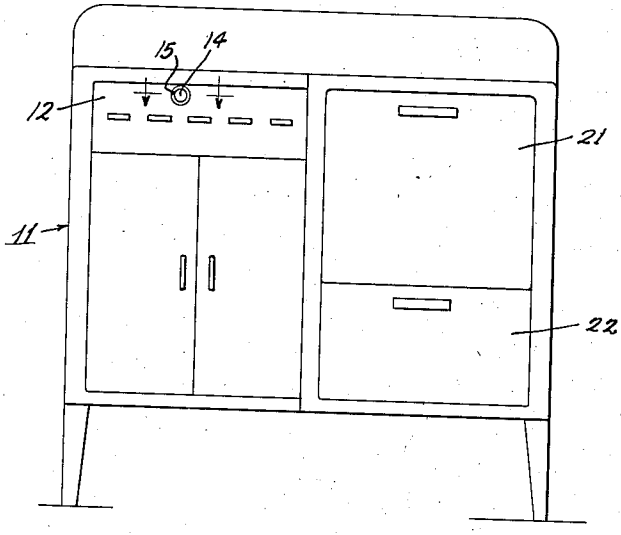
July 6, 1937. R. S. WESTON 2,086,198

MOUNTING DEVICE

Filed Aug. 30, 1934

Fig. 1



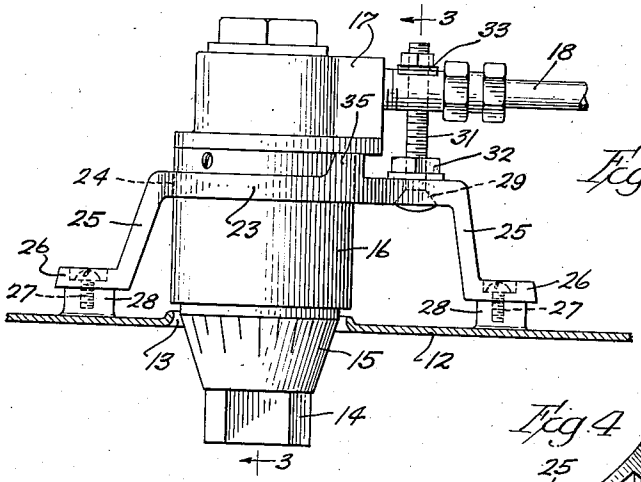


Fig. 2

Fig. 3

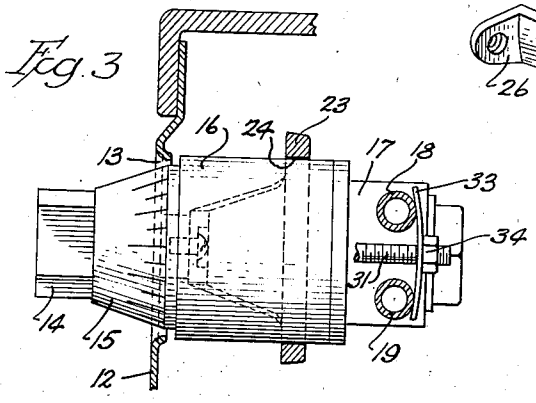
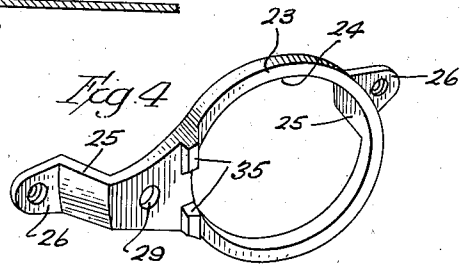


Fig. 4



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MOUNTING DEVICE

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Application August 30, 1934, Serial No. 742,101

3 Claims. (Cl. 248—27)

This invention relates to thermostats for use on stoves, ranges and the like, and has more particular reference to a novel type of mounting for the control mechanism for such thermostats.

A principal object of the invention is the provision of a thermostat control mechanism mounting means which will be inexpensive to manufacture, easily assembled, and which will permit of simple and quick replacement.

Numerous other objects and advantages of the invention will be apparent as it is better understood from the following description, which, taken in connection with the accompanying drawing, discloses a preferred embodiment thereof.

On the drawing,

Figure 1 is a front elevation of a gas range showing the thermostat control mechanism mounted in the upper portion of the burner section;

Fig. 2 is a section taken substantially on the line 2—2 of Fig. 1;

Fig. 3 is a section taken substantially on the line 3—3 of Fig. 2; and

Fig. 4 is a perspective view of the mounting bracket detached.

Referring to the drawing, reference character 11 indicates generally a gas range having a main burner section manifold apron 12 provided with an aperture 13 through which the knob 14 of the temperature dial 15 protrudes. The knob and dial form a part of the thermostat control mechanism which is encased in a pair of housings, indicated at 16 and 17. A pair of leads or gas conduits 18 and 19 extend from tapped openings within the housings to the oven and broiler sections 21 and 22 respectively. The thermostatic element proper is mounted in the oven and/or broiler and is interconnected with the control mechanism in the housings 16 and 17 by a lead or conduit (not shown) in the usual and well-known manner.

The mounting for the thermostat control mechanism, viewing Fig. 2, comprises a substantially circular body portion 23 having a circular opening 24 adapted to receive the housing 16. Extensions or webs 25 are formed on the ends of the main body portion 23 and extend from it towards the manifold apron 12 and have at their extremities feet 26 which are secured by screws 27 to lugs 28 formed integrally with the manifold apron, or otherwise suitably secured thereto.

The circular body portion 23 of the bracket, as shown in Figs. 2 and 3, extends sufficiently beyond the housing 16 to provide for an opening 29 adapted to receive a threaded bolt 31. This bolt is held in place against the body portion by a nut 32.

A flat spring clamping member 33 has bearing against the leads or conduits 18 and 19 through a nut 34.

In order to position the thermostat control mechanism within the mounting with respect to this clamping member, a pair of projections or lugs 35, cast integrally with the body portion 23, serve to bear against the flange of the housing 17 when the spring clamping member engages the leads or conduits 18 and 19. The thermostat control mechanism in this position is firmly held from horizontal or vertical displacement, yet leaving the dial free from any binding effect in its operation.

In assembling the unit the bracket is first secured in place against the manifold apron with the bolt 31 in position after which the thermostat control mechanism is placed therein and secured in position by the spring clamping member. Should it become necessary to replace the thermostat control mechanism, the clamp may be removed and the unions 36 disconnected, leaving the thermostat control mechanism free to be drawn through the opening 24.

From the foregoing it will be apparent that a novel and simple means for mounting a thermostat control mechanism is provided, which can be economically manufactured and easily and efficiently installed.

It is thought that the invention and many of its attendant advantages will be understood from the foregoing description, and it will be apparent that various changes may be made in the form, construction and arrangement of the parts without departing from the spirit and scope of the invention, or sacrificing all of its material advantages, the form hereinbefore described being merely a preferred embodiment thereof.

I claim:

1. A mounting device for detachably securing a thermostat control mechanism housing, having a pair of fuel conduits extending laterally therefrom, to a wall of a stove, comprising a bracket attachable to said wall and having an aperture therein through which said housing is adapted to extend, and releasable clamping means mounted on said bracket for engaging said conduits to hold said housing in predetermined position on said bracket.

2. A mounting device for detachably securing a thermostat control mechanism housing, having a pair of fuel conduits extending laterally therefrom, to a wall of a stove, comprising a

bracket having leg portions attachable to said wall and seating portions intermediate said leg portions, said leg and seating portions being located in spaced parallel planes, said bracket having an aperture therein through which said housing is adapted to extend, and a releasable clamping member mounted on said bracket for engaging said conduits to force said housing into engagement with said seating portions of said bracket.

3. A mounting device for detachably securing a thermostat control mechanism housing, having a pair of rigid conduits extending from one side thereof, to a wall of a stove, comprising a bracket having leg portions located in a single plane and attachable to said wall, an intermediate portion located in a different plane from said leg portions and having an aperture therein through which said housing is adapted to extend, seating portions on said intermediate portion, and releasable clamping means mounted on said intermediate portion for engaging said conduits to force said housing into engagement with said seating portions of the bracket.

RICHARD S. WESTON.