March 1, 1927. 1,619,385

G. L. WALLACE

WATER HEATER VENT PIPE CEILING DEVICE

Filed Oct. 17, 1923

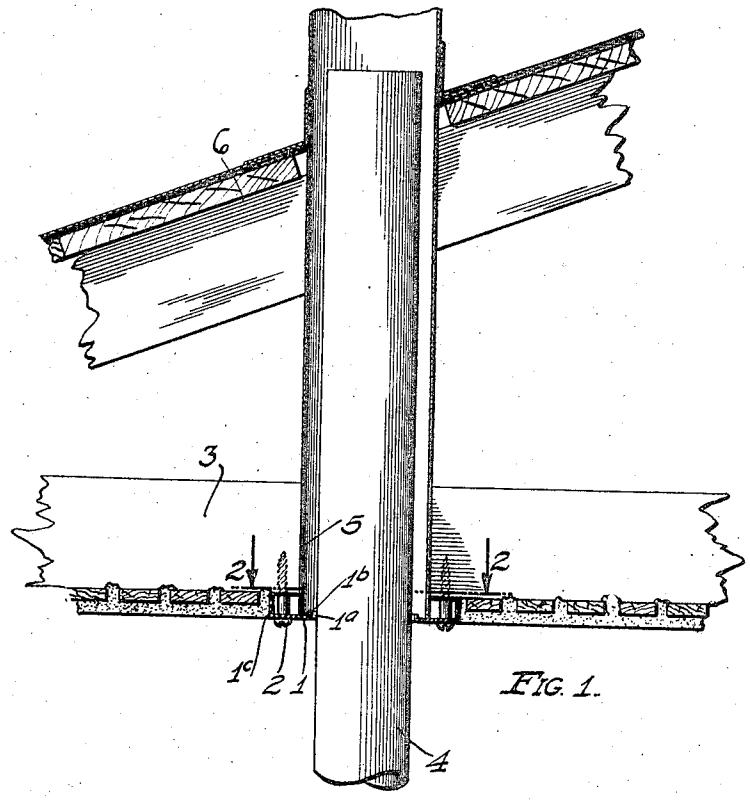

FIG. 1.

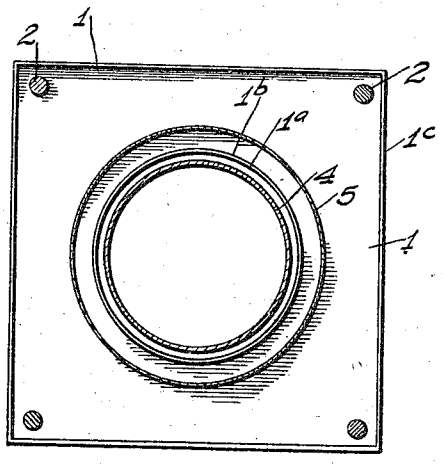

FIG. 2.

Inventor

GEORGE L. WALLACE

By A. B. Bowman

Attorney

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UNITED STATES PATENT OFFICE.

GEORGE L. WALLACE, OF SAN DIEGO, CALIFORNIA.

WATER-HEATER-VENT-PIPE CEILING DEVICE.

Application filed October 17, 1923. Serial No. 669,191.

My invention relates to a water heater vent pipe ceiling device, and the objects of my invention are: first, to provide such a device which is secured to ceiling joists for positioning the vent pipe of a water heater and for supporting the sleeve pipe conventionally positioned around the vent pipe and extending through the roof of the building; second, to provide a device of this class for catching the condensation of water vapor collected on the sleeve pipe, and also for catching tar or other similar plastic material, used to secure roofing material to the roof, when the same drops down due to being heated; third, to provide a device of this class which is rigidly supported on the building structure and which is positioned flush with the plaster of the ceiling; fourth, to provide a device of this class which furnishes a guide for lathers and plasterers to work to and which eliminates the necessity of cutting the lath and plaster when installing fixtures; fifth, to provide a novelly constructed device of this class and a novel arrangement of such a device with relation to the vent and sleeve pipes, and sixth, to provide such a device which is very simple and economical of construction, durable, and which will not readily deteriorate.

With these and other objects in view, as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions, as will be hereinafter described in detail and particularly set forth in the appended claim, reference being had to the accompanying drawings and to the characters of reference thereon, which form a part of this application, in which:

Figure 1 is a sectional view of my water heater vent pipe ceiling plate with the section taken through the middle thereof and secured to the ceiling joists of a building, and showing the same laterally supporting a water heater vent pipe and also supporting the sleeve pipe therefor, and Fig. 2 is an enlarged, sectional view thereof, taken through 2—2 of Fig. 1.

Like characters of reference refer to similar parts and portions throughout the several views of the drawings.

The ceiling plate 1 of my apparatus is preferably rectangularly shaped and provided at the corners with holes for the reception of the screws 2 for securing the plate to the ceiling joists 3. The plate 1 is provided with a circular opening 1^a, in its middle portion, which is surrounded by an upwardly extending flange 1^b forming said opening. Through the opening 1^a and spaced from the annular flange 1^b extends the water heater vent pipe 4, which also extends to and beyond the roof of the building in which the water heater and water heater vent pipe are positioned. The sleeve pipe 5, of considerably larger diameter than the vent pipe 4, is positioned around the latter and supported at its lower end on the plate 1 and spaced outwardly from the annular flange 1^b thereof. The sleeve pipe 5 extends through the roof of the building and is permanently positioned thereby near its upper end. The plate 1 is also provided with an upwardly extending flange 1^c surrounding its outer portion, the upper edge of which is adapted to be positioned against the ceiling joists 3 and which forms with the upwardly extending flange 1^b a receptacle for catching tar and condensation of water vapor. The flange 1^c is of a width substantially equal to the thickness of the conventional lath and plaster so that the face of the plaster may be made flush with the lower or inner surface of the plate.

It will be noted that the pipes are so positioned relatively to the plate 1 that the vapor in the gases from the vent pipe 4 and in the air escaping from the room between the vent pipe and the opening 1^a in the plate will be condensed on the sleeve pipe 5 and deposited in the plate. It will also be noted that tar or other material, for securing the roofing paper to the ceiling of the roof, will also be caught in said plate when the tar is heated sufficiently to drop down.

It is obvious from this construction, as illustrated in the drawings and described in the foregoing specification, that there is provided a means as set forth in the objects of the invention, and though I have shown and described a particular construction, combination and arrangement of parts and portions, I do not wish to be limited to this particular construction, combination and arrangement, but desire to include in the scope of my invention, the construction, combination and arrangement substantially as set forth in the appended claim.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

In a device of the class described, the com-

bination with a vent pipe and a sleeve pipe therefor, of a plate provided with an opening in the middle portion thereof and an upwardly extending flange secured to said plate and surrounding said opening and spaced from the vent pipe extending therethrough, said plate serving as a support for the lower end of said sleeve pipe, said plate being also provided with another flange at the outer portion thereof, forming a receptacle with said first mentioned flange.

In testimony whereof, I have hereunto set my hand at San Diego, California, this 11th day of October, 1923.

GEORGE L. WALLACE.