March 3, 1959 W. G. FISH 2,875,747

CERAMIC TILE FIREPLACE

Filed Sept. 8, 1955 2 Sheets-Sheet 1

Fig. 1

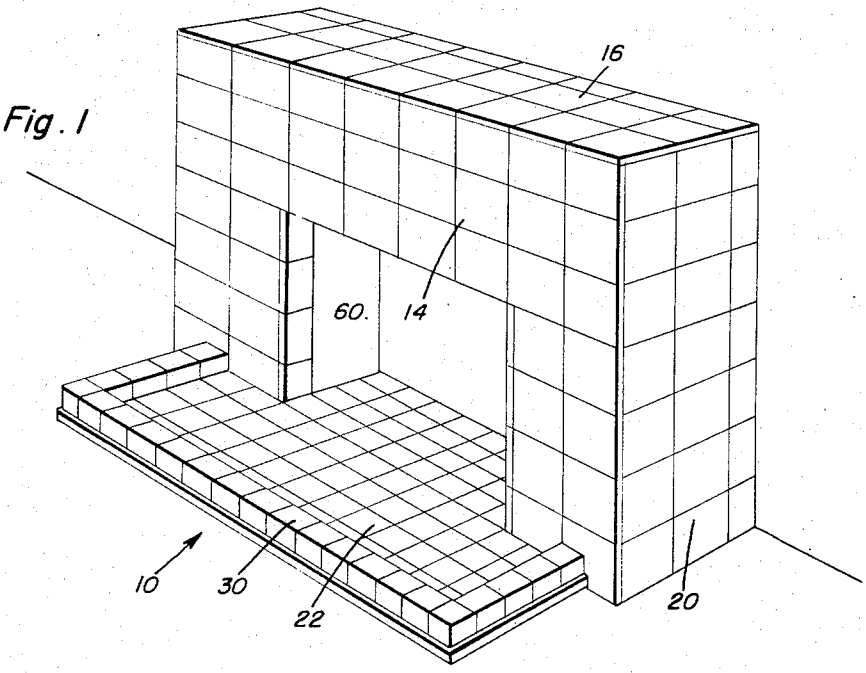


Fig. 2

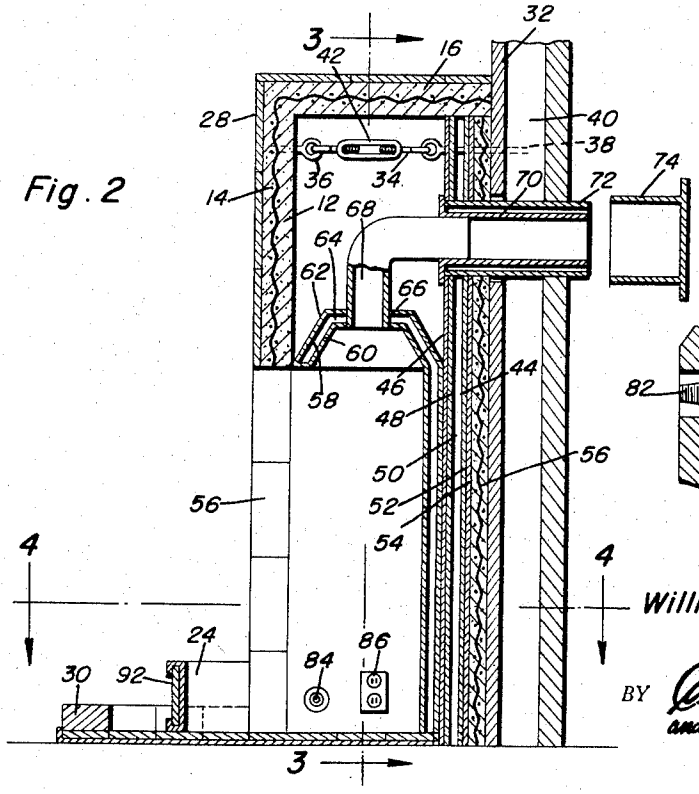
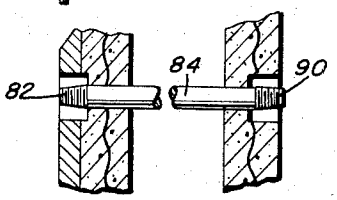


Fig. 5



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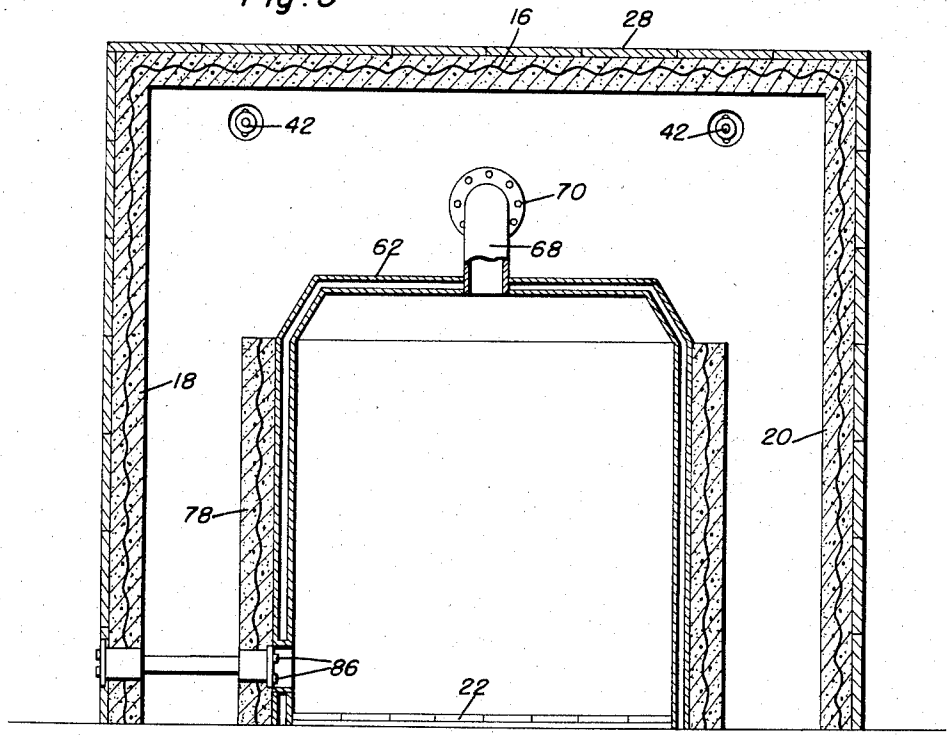
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CERAMIC TILE FIREPLACE

Filed Sept. 8, 1955 2 Sheets-Sheet 2

Fig. 3



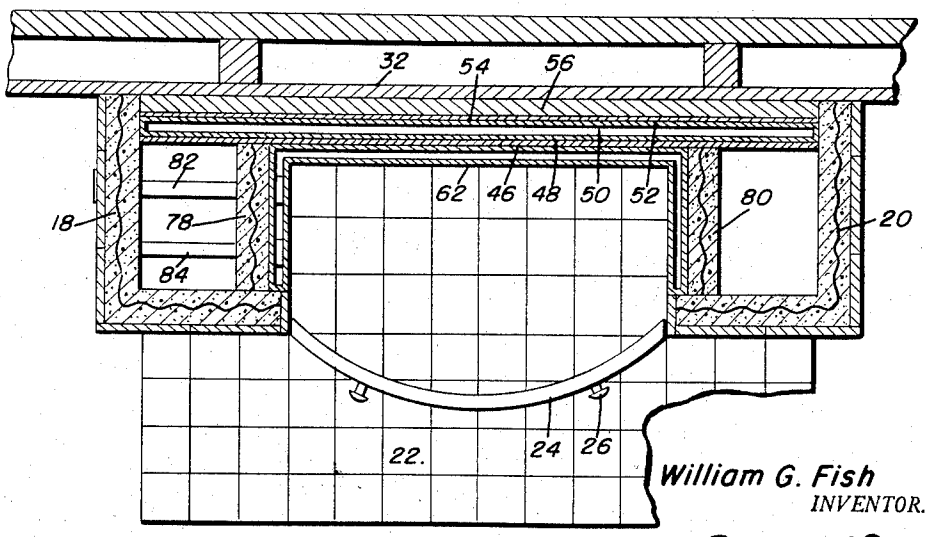


Fig. 4

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United States Patent Office 2,875,747
Patented Mar. 3, 1959

2,875,747

CERAMIC TILE FIREPLACE

William G. Fish, Sheridan, Wyo.

Application September 8, 1955, Serial No. 533,148

2 Claims. (Cl. 126—127)

This invention relates to improvements in fireplace construction, and more particularly to a novel portable ceramic tile fireplace.

The primary object of the present invention resides in the provision of a ceramic tile fireplace adapted to be installed in any desired builiding or similar structure so as to provide suitable heating for a room or compartment in such building while also adding to the decor of the room in which the fireplace is utilized.

A further object of the invention resides in the provision of a fireplace construction which can be easily anchored to a wall or other suitable vertical surface either flush with the walls or at the corner of adjoining walls in a convenient manner and incorporating telescoping venting means which may be adjusted for connecting the fireplace to a chimney as required.

An additional object of the invenion resides in the provision of novel means including a turnbuckle for holding the fireplace against a vertical surface.

Still further objects and features of this invention reside in the provision of a ceramic tile fireplace that is simple in construction, highly attractive in appearance, easy to install and which may be utilized with coal, gas, electricity, logs or such other fuel as desired for the purpose of heating, while being relatively light in weight so as to be portable.

These, together with the various ancillary objects and features of the invention which will become apparent as the following description proceeds, are attained by this ceramic tile fireplace, a preferred embodiment of which has been illustrated in the accompanying drawings, by way of example only, wherein:

Figure 1 is a perspective view of the ceramic tile fireplace comprising the present invention;

Figure 2 is an enlarged vertical sectional detail view of the fireplace;

Figure 3 is a vertical sectional detail view as taken along the plane of line 3—3 in Figure 2;

Figure 4 is a horizontal sectional view of the fireplace as taken along the plane of line 4—4 in Figure 2; and

Figure 5 is a detail sectional view of the means used for connecting a gas conduit to the fireplace.

With continuing reference to the accompanying drawings wherein like reference numerals refer to similar parts throughout the various views, reference numeral 10 generally designates the ceramic tile fireplace comprising the present invention. This ceramic tile fireplace includes a housing 12 having a front wall 14, a top 16, as well as sides 18 and 20 and a hearth 22 is associated therwith. A guard 24 may be removably positioned at the opening of the U-shaped front wall 14 and may be provided with decorative knobs, as at 26. Ceramic tile, as at 28, is provided for covering the fireplace casing 12, as well as the hearth 22, and a raised guard portion 30 is provided at the periphery of the hearth 22 and may likewise be covered with tile.

The casing 12 is adapted to be held against a suitable supporting wall surface, as at 32, or at the junction of

intersecting wall surfaces by suitable tie arrangements 34 which consist of eyes 36 anchored in the front wall 14 as well as eyes 38 which are secured in the wall 32 and preferably into the supporting studs 40 thereof. Turnbuckles 42 are provided for drawing the eyes together, and hence, for drawing the housing 12 into engagement along the peripheral edges of the top 16 and the sides 18 and 20.

Positioned within the housing 12 and lying flush against the wall 32 is an insulating panel 44. This insulating panel 44 includes an outer facing sheet 46 of a suiable metallic construction lined with asbestos, as at 48. An air space 50 is positioned between two thin sheets of asbestos 52 and 54 which cover the cementitious material 56 which lies flush with the wall 32.

Also mounted in the housing 14 and closing the opening, as at 56 in the housing, is a canopy 58 formed of spaced sheets of metallic material 60 and 62 having an air space 64 therebetween. The canopy is perforated, as at 66, for reception of a vent pipe 68 of an elbow shape which is telescopingly received in a capped tube 70 adjustably positioned within a vent tube 72 which may also be provided with a cap, as at 74, and which is adapted to direct fumes and exhaust gases to a chimney or other exhaust structure.

Positioned along the sides of the canopy 60 are cementitious panels 78 and 80 which define the inner walls of the fireplace. Extending between the outer side walls 18 and 20 and the inner walls 78 and 80 as may be desired, are suitable conduits, as at 82, for electricity, and at 84 for gas, as may be desired. Thus, a suitable electric outlet box 86 may be installed in the inner wall 78 for reception of plug connectors for attachment of the device to any suitable electrical appliance for electric heating or for providing decorative ornamentation to the fireplace. Likewise, the gas pipe 84 may be connected as desired to a removable gas burner. Gas pipe 84, as can be best seen in Figure 5, includes threaded connections as at 88 and 90 for attachment to suitable conduits for the gas.

It is noted that the guard 24 may be in the form of an arcuate-shaped channel member receiving ceramic tile 92 therein holding such tile in position for greater beauty.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A portable fireplace construction comprising a housing including an inverted U-shaped front wall, a top, and side walls integrally formed, a fire pot formed in said housing, a hearth associated with said housing, a facing of glazed ceramic tile bonded to said housing and said hearth, insulating means in the rear of said housing including a metallic panel acting as an interior wall for said fireplace, an asbestos sheet connected thereto on the rearward surface thereof, an asbestos panel spaced from and located rearwardly of said asbestos sheet whereby an air space is located therebetween, and a layer of cementitious material on the rear surface of said asbestos panel for attaching said fireplace to a wall, an inverted, truncated V-shaped canopy positioned in said housing and forming a top for said fire pot, a rear fire pot wall connected to said canopy along the upper edge thereof, an insulative wall spaced from said fire pot wall whereby an air space is formed therebetween, an insulative cover spaced from said canopy whereby an air space is formed therebetween, said insulative cover

being connected to said insulative wall, a vent pipe passing through said canopy, a flue pipe into which said vent pipe is telescopically connected, and adjustable means including a turnbuckle for holding said housing against a vertical surface.

2. A portable fireplace construction comprising a housing including an inverted U-shaped front wall, a top, and side walls integrally formed, a fire pot formed in said housing, a hearth associated with said housing, a facing of glazed ceramic tile bonded to said housing and said hearth, insulating means in the rear of said housing including a metallic panel acting as an interior wall for said fireplace, an asbestos sheet connected thereto on the rearward surface thereof, an asbestos panel spaced from and located rearwardly of said asbestos sheet whereby an air space is located therebetween, and a layer of cementitious material on the rear surface of said asbestos panel for attaching said fireplace to a wall, an inverted, truncated V-shaped canopy positioned in said housing and forming a top for said fire pot, a rear fire pot wall connected to said canopy along the upper edge thereof, an insulative wall spaced from said fire pot wall whereby

an air space is formed therebetween, an insulative cover spaced from said canopy whereby an air space is formed therebetween, said insulative cover being connected to said insulative wall, a vent pipe passing through said canopy, a flue pipe into which said vent pipe is telescopically connected, and adjustable means including a turnbuckle for holding said housing against a vertical surface, heat energy supply conduits operatively connected to said housing.

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