Oct. 11, 1966 B. R. ROSE 3,277,882

COMBINATION FIREPLACE AND HEATER

Original Filed Dec. 21, 1962

FIG. 1.

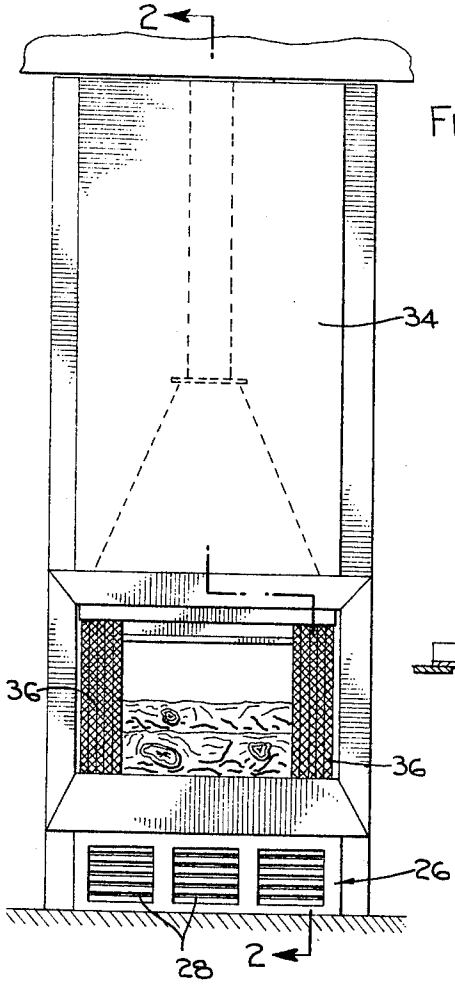


FIG. 2.

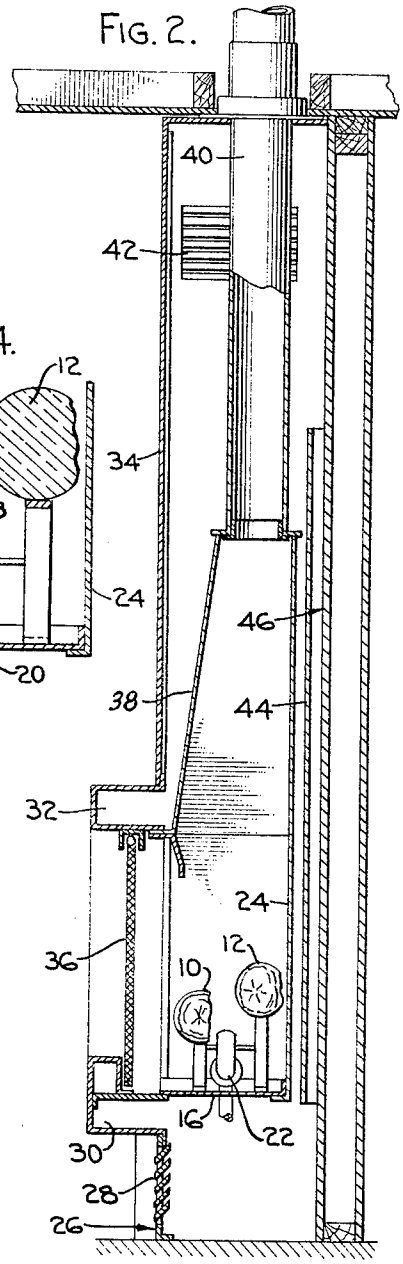


FIG. 4.

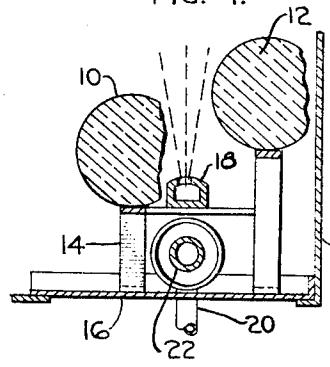
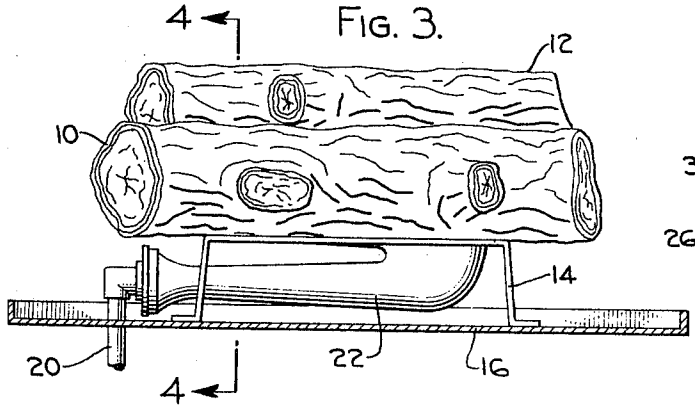


FIG. 3.



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COMBINATION FIREPLACE AND HEATER

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Continuation of application Ser. No. 246,466, Dec. 21, 1962. This application Mar. 6, 1964, Ser. No. 350,940

7 Claims. (Cl. 126—127)

This application is a continuation of my application Serial No. 246,466, filed December 21, 1962, and now abandoned.

This invention relates to an improved combination fireplace and heater assembly.

It is an object of this invention to provide an assembly wherein a pair of gas logs permanently mounted in a fire box so that the relationship between same and the burner assembly cannot readily be varied.

It is a further object of this invention to provide such a device for use with gaseous fuels wherein undesirable creation of carbon monoxide and dioxide is avoided.

Still a further object of this invention is to provide an assembly which has the appearance of a wood fire but wherein impingement of flames from the burner upon the artificial logs is avoided.

Still a further object of this invention is to provide such a device having a desirable external appearance.

Other objects and advantages will be readily apparent from the following description:

FIGURE 1 is a front elevation of a fireplace embodying this invention.

FIGURE 2 is a view taken along line 2—2 of FIGURE 1.

FIGURE 3 is a front elevation of the logs and burner assembly.

FIGURE 4 is a section taken along line 4—4 of FIGURE 3.

A pair of ceramic logs **10** and **12** are rigidly secured as by pins or otherwise, to a bracket **14** which in turn is rigidly secured to the floor **16** of a fire box. The rear log **12** is spaced from log **10** and positioned above same. A gas burner **18** is likewise mounted upon bracket **14** between the two logs by welding or otherwise and gas is supplied thereto from pipe **20** and header **22**. The burner is located sufficiently to the rear of log **10** so that the flame will not impinge upon said log. Likewise the rear log is spaced sufficiently to the rear and above the burner to avoid impingement. In this manner, creation of carbon monoxide and dioxide normally the result of flame striking the ceramic composition logs, is avoided.

The fire box is formed by floor **16**, a rear wall **24** and suitable side walls with an open front. The box is mounted upon a box like support box **26** having louvers **28** for admission of air around the outside of the first box. The upper front edge **30** of box **26** juts outwardly as does the lowermost edge **32** of decorative panel **34** defining an opening wherein traversing fire screens **36** are mounted.

At the uppermost portion of the fire box a flue **38** is formed which directs the products of combustion into chimney pipe **40** wherein they are removed. The front or decorative panel **34** may extend the full width of the device and all the way to the ceiling to block the flue and chimney from view. Side panels are also utilized on each

side to enclose the device each of which has one or more sets of louvers **42** to permit air to escape after entering louvers **28** and passing around the fire box. Likewise, a shield **44** may be positioned between the rear wall **24** of the fire box and wall **46** of the room in which the device is installed to protect the latter.

While what hereinbefore has been described as the preferred embodiment of this invention, it is readily apparent that alterations and modifications may be resorted to without departing from the scope of this invention and such alterations and modifications are intended to be included within the scope of the appended claims.

I claim:

1. A combination fireplace and heater comprising: a pair of closely spaced, generally parallel ceramic logs, a bracket upon which said logs are mounted, a burner mounted upon said bracket between said logs and closely adjacent thereto, both of said logs having diameters substantially greater than the height of said burner, and said burner being disposed with the top surface thereof substantially below the top surfaces of said logs, one of said logs being mounted sufficiently in front of said burner so that flame from said burner cannot impinge thereon, and the other of said logs being mounted sufficiently to the rear of said burner so that flame from said burner cannot impinge thereon.

2. A combination fireplace and heater as recited in claim 1, wherein the other of said logs is mounted to extend above said first log.

3. A combination fireplace and heater as recited in claim 1, wherein said bracket is mounted upon a firebox floor.

4. A combination fireplace and heater as recited in claim 1 wherein a spacer is provided in said bracket preventing a movement of said logs towards each other.

5. A combination fireplace and heater comprising: a firebox, a pair of closely spaced, generally parallel ceramic logs, a bracket mounted upon said firebox upon which said logs are mounted, a burner mounted upon said bracket between said logs and closely adjacent thereto, both of said logs having diameters substantially greater than the height of said burner, and said burner being disposed with the top surface thereof substantially below the top surfaces of said logs, one of said logs being mounted sufficiently in front of said burner so that flame from said burner cannot impinge thereon, and the other of said logs being mounted sufficiently to the rear of said burner so that flame from said burner cannot impinge thereon.

6. A combination fireplace and heater as recited in claim 5, wherein the other of said logs is mounted to extend above said first log.

7. A combination fireplace and heater as recited in claim 5, wherein said bracket is mounted upon the floor of said firebox.

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FREDERICK KETTERER, *Primary Examiner.*