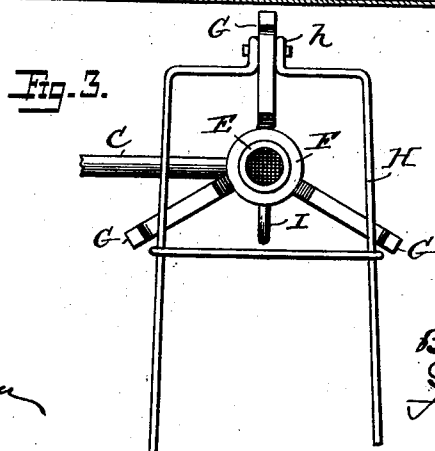
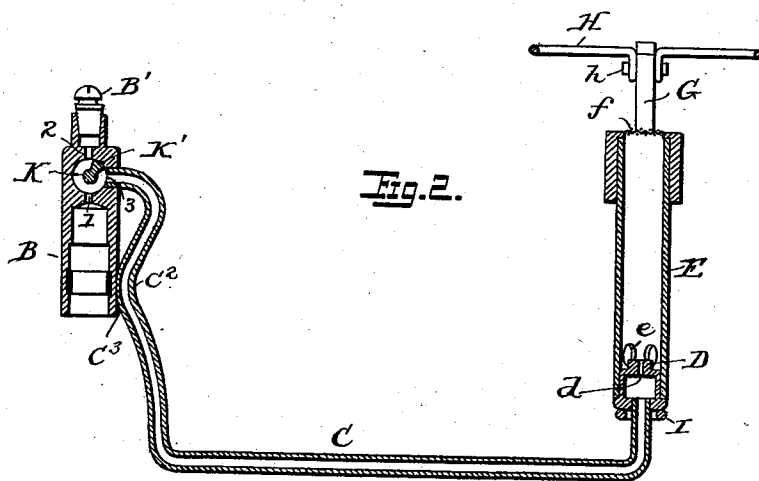
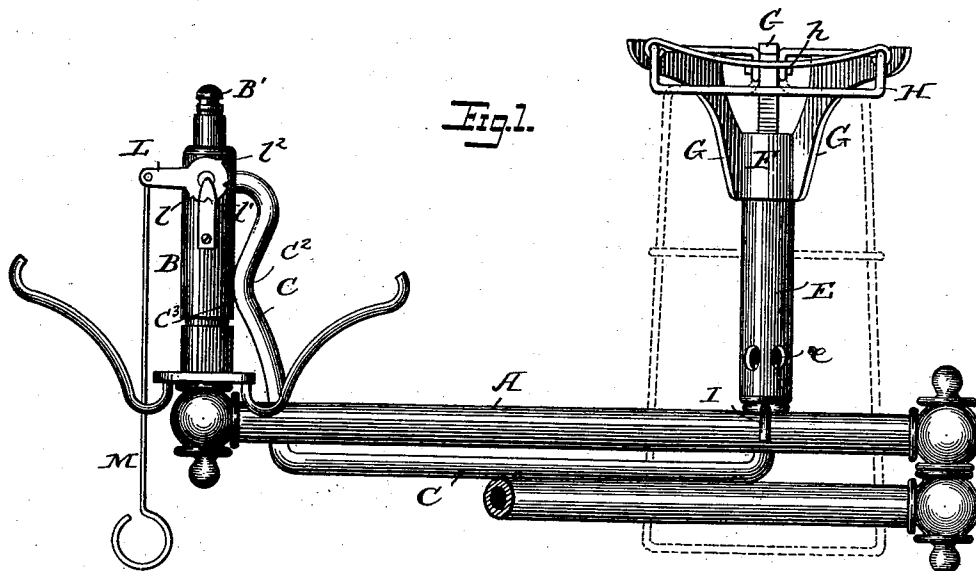


(No Model.)

J. Y. PARKE.
GAS HEATER.

No. 506,932.

Patented Oct. 17, 1893.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN Y. PARKE, OF PHILADELPHIA, PENNSYLVANIA.

GAS-HEATER.

SPECIFICATION forming part of Letters Patent No. 506,932, dated October 17, 1893.

Application filed May 31, 1892. Serial No. 434,996. (No model.)

To all whom it may concern:

Be it known that I, JOHN Y. PARKE, a citizen of the United States, residing at Philadelphia, Philadelphia county, Pennsylvania, have invented certain new and useful Improvements in Gas-Heaters, of which the following is a specification.

My invention relates to a gas heating device, which is adapted to be used in connection with a gas fixture, and which may be attached thereto in a manner so as not to interfere with the gas burner, and so that either the gas burner or the heater, or both together can be used to furnish illumination and heat.

The object of my invention is to provide a simple, cheap, and effective device for accomplishing these results, and my invention consists in the various features of construction, arrangement, and mode of operation, substantially such as is hereinafter more particularly pointed out.

Referring to the accompanying drawings, Figure 1, is a side view showing a gas fixture with my invention applied thereto; Fig. 2, is a longitudinal vertical section through the burner and heater; and Fig. 3, is a plan view of the preferred construction of heater.

It is often desirable to furnish a gas heater which may be used for many and various purposes in domestic heating, as for warming food, heating water and the like, and which especially may be used in the night-time, and one of the objects of my invention is to provide such an attachment which may be mounted on an ordinary gas fixture, and which will furnish heat without necessarily interfering with the gas burner also mounted on the same fixture.

Referring to the drawings A, represents one section of an ordinary gas bracket provided with the burner B, having the usual tip B'. Connected to the body of the burner B, is a pipe C, and this is shown as being provided with a block or head D, which is preferably hollow as shown in Fig. 2, and provided with a narrow opening *d*. Mounted on this head is a tube E, provided with openings *e*, for the admission of the air, which mingling with the gas passing through the orifice *d*, will produce an intense heating flame. This tube E, rests upon flanges on the head D, and fits

closely thereon, so as to be properly supported thereby, although it may be removed when desired.

To the heater E, is attached a bracket or support which as shown is composed of a collar F, fitting closely over the tube E, and having projecting flange *f* to hold the same in position, and connected to this body portion are the arms or brackets G, which are shaped in any desired manner, so as to form a suitable support for a dish or vessel containing the matter to be heated. Mounted on this bracket is a platform or support H, which is shown in the form of a wire frame pivotally connected as at *h*, to one of the arms of the bracket G, and this can be swung into the position shown in Fig. 3, when the sides will bear upon the other arms G, and form an enlarged support for the dish or vessel containing the matter to be heated. If preferred this platform or support can be swung down into the position shown in Fig. 1 out of the way. It will thus be seen that vessels of different sizes can be readily supported upon the heater E, or if it is not desired to heat any particular vessel, but simply to heat the room, the whole bracket and platform may be removed, and the heat be transmitted to the surrounding air.

In order to support the heater and any vessel which may rest thereon when the bracket is bent in the position shown in Fig. 1, the tube C may rest upon the section A of the fixture, but when this is not convenient or desirable, I provide the tube with a hook or arm I, which may rest upon the upper portion of the fixture A, and serve as a support for the heater and its connections. In order, also, that the end of the pipe C, which enters the illuminating burner shall not become weakened or loosened in its fastening, I give to such pipe an inward bend at C², so as to form a knee or elbow C³, for resting against the side of the burner and acting as a counter brace to relieve strain imposed upon the pipe by the weight of articles placed upon the bracket to be heated. In conjunction with the hook I, this bend in the pipe serves a very important function, as will be apparent.

In order that the burner and heater may be used at the same time, or either of them used independent of the other, I provide a

three-way cock K, which has suitable means for operating it as an arm L and pendant M, and this arm is preferably provided with stops l , l' , l'' to limit and determine the movement of the cock. While various forms of cocks may be used, which will accomplish the purpose, I find that shown in Fig. 2 as specially applicable for the purpose, in which the stem of the cock K, is provided with an extension K' projecting laterally therefrom, and fitting the circular seat of the cock. In this recess or seat are the orifices 1, 2, 3, and it will be seen that by properly turning the cock, the flow of the gas is permitted to the burner tip alone, to the heater alone, to both the tip and heater, or is entirely cut off from both, and thus the heater may be used alone in the daytime without the burner, or in connection therewith when it is necessary or desirable to furnish illumination as well as heat.

This whole device can be readily attached to any ordinary gas fixture, and furnishes a simple, cheap and effective device for the purpose, and one which in no way interferes with the ordinary functions of the gas burner, and the whole can be readily adjusted and used for the various purposes desired.

While I have illustrated the preferred embodiment of my invention it is evident that the details of construction may be varied without departing from the spirit of my invention, and I do not therefore limit myself to the precise construction shown.

What I claim is—

1. The combination with an ordinary gas fixture having an illuminating burner, of a pipe connected to the burner and arranged to rest on the fixture, a heating burner connected to one end of the pipe, and a three-way valve to control the flow of gas to the illuminating burner, the heating burner, or both or to cut off the flow entirely, substantially as described.

2. The combination with a gas fixture and burner mounted thereon, of a heater, and a tube connecting said heater and burner and formed with a knee-bend to rest against the

side of the latter, substantially as described and for the purpose set forth.

3. The combination with a gas fixture and burner mounted thereon, of a heater, a gas tube connecting said heater and burner and having a knee-bend to rest against the side of the burner, and a hook for supporting the heater on the fixture, substantially as shown and described.

4. The combination with a gas fixture and burner mounted thereon, of a heater, a gas pipe or tube connecting said heater and burner, and bracing itself against the latter, and a valve to control the supply of gas to the burner, the heater or both, substantially as described.

5. The combination with an ordinary gas fixture and an illuminating burner mounted thereon, of a gas pipe or tube connected at one end to the said burner, and bracing itself against the same independent of its fastening, a heating burner connected to the opposite end of the pipe or tube, and a supporting bracket, mounted on the heating burner, substantially as described.

6. The combination with an ordinary gas fixture and an illuminating burner mounted thereon, of a heating burner, a gas pipe or tube connecting said burners, and formed with an elbow or knee to rest against the side of the illuminating burner, a valve for controlling the supply of gas to the burners, either separately or both together, and a supporting bracket mounted on said heating burner, substantially as described.

7. The combination with a gas fixture and burner mounted thereon, of a heater, a tube for supplying the heater with gas, and a hook for supporting the heater on the fixture, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN Y. PARKE.

Witnesses:

THOMAS J. ALLEN,
F. M. HUTCHINSON.