

(No Model.)

W. H. PAINE.
GAS BURNER.

No. 576,819.

Patented Feb. 9, 1897.

Fig. 1.

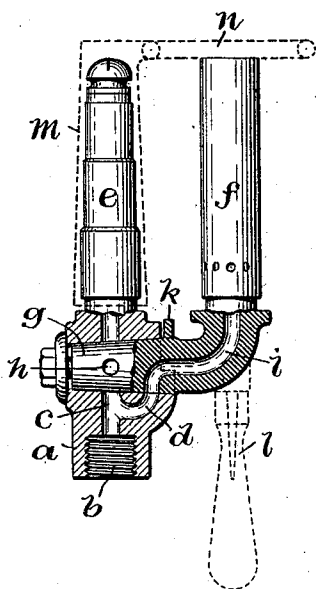


Fig. 2.

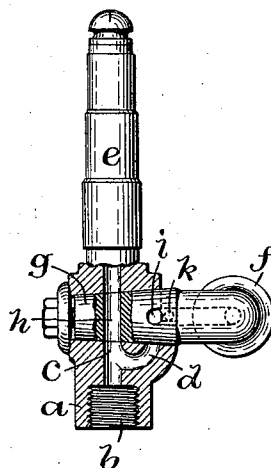
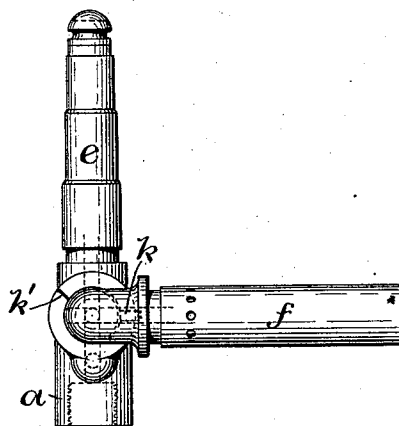


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM HOWARD PAINE, OF PROVIDENCE, RHODE ISLAND.

GAS-BURNER.

SPECIFICATION forming part of Letters Patent No. 576,819, dated February 9, 1897.

Application filed November 6, 1896. Serial No. 611,224. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HOWARD PAINE, of the city of Providence, in the county of Providence and State of Rhode Island, have
5 invented certain new and useful Improvements in Gas-Burners; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part
10 of this specification.

This invention has reference to an improvement in gas-burners by which a heating-burner is connected with an ordinary lighting-burner, so that a lighting or a heating
15 burner may be used.

The invention consists in the peculiar and novel construction by which the valve-casing forms the support for one burner and the valve the support for the other burner, as will
20 be more fully set forth hereinafter.

In bed-rooms, nurseries, pantries, and other places it is desirable to have the use of a heating gas-burner. Frequently there is only one gas-outlet in such rooms, and when a heating-burner is required a series of nipples and a valve are attached to the gas-outlet and connected with some kind of gas-stove by a pipe.

The object of this invention is to supply a long-felt want of a compound burner that can
30 be used for light and for heat, as desired.

Figure 1 is a side view, partly in section, of a compound burner, indicating in broken lines how a bracket may be rigidly supported on the light-burner when the heating-burner
35 is in use. Fig. 2 is a side view, partly in section, showing the heating-burner out of use. Fig. 3 is a front view showing the heating-burner turned off and forming the handle of the valve.

In the drawings, *a* indicates the base of the burners. It is provided with the screw-threaded socket *b*, by which it is secured to the end of the gas-pipe. Within the base is the straightway passage *c*, connecting with
45 the fixed lighting-burner *e*, and the branch passage *d*, connecting through the valve with

the heating-burner *f*. The valve *g* has the hole *h* through it, so as to control the passage of the gas to the lighting-burner *e*, and also has the curved passage which extends to the
50 heating-burner *f*, thus forming a two-way cock by which when in one position the gas is admitted to the one burner, in another position it is shut off from the first and admitted to the other burner, and when the stop-
55 pin *k* is against the shoulder *k'* the gas is shut off from both burners.

The valve *g* may be provided with the handle *l*, (indicated in broken lines in Fig. 1,) and the bracket *m* (indicated in broken lines
60 in Fig. 1) may consist of a conical tube adapted to fit the lighting-burner *e* and provided with the ring *n* or other suitable support. As the lighting-burner *e* forms a rigid fixture the bracket will be firmly supported and a vessel
65 or other article to be heated can be firmly supported on the bracket.

In the preferred form the burner *e* is used for light and the burner *f*, preferably a Bunsen burner, for heating anything desired.
70 For dressing-rooms it forms a convenient heater for hair-crimpers.

Having thus described my invention, I claim as new and desire to secure by Letters
75 Patent—

1. The combination with a fixed burner, of a two-way cock and a second burner secured to the same whereby the turning of the cock places the second burner in position, as described.
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2. The combination with the base of a fixed burner, of a pivoted burner and a two-way cock, whereby on swinging the pivoted burner into position the gas is turned off from the fixed and onto the pivoted burner, as described.
85

In witness whereof I have hereunto set my hand.

WM. HOWARD PAINE.

Witnesses:

M. F. BLIGH,

J. A. MILLER, Jr.