P. W. KOHLOFF.

HEATING DEVICE OR ATTACHMENT FOR GAS BURNERS.

APPLICATION FILED JULY 9, 1912.

1,048,177. Patented Dec. 24, 1912.

Fig. 1.

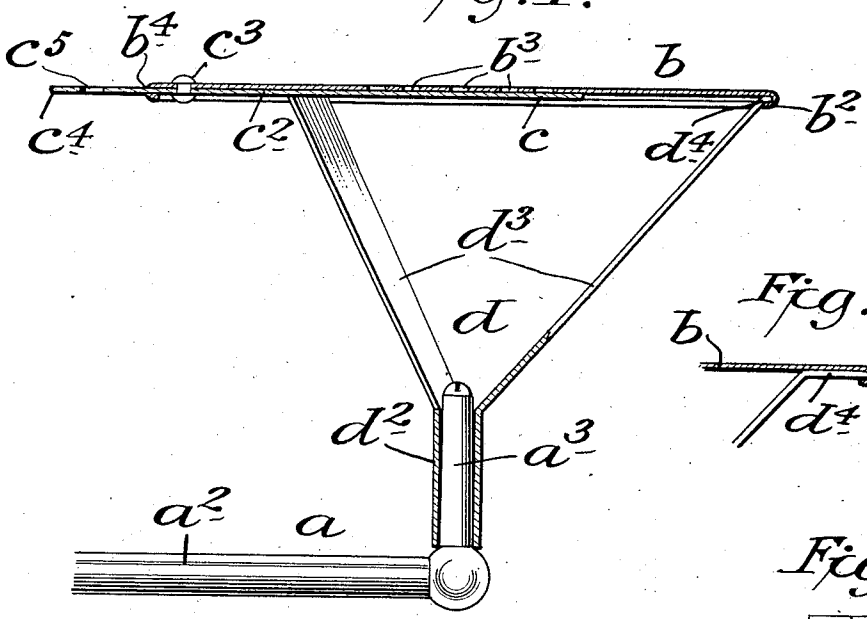


Fig. 4.

Fig. 3.

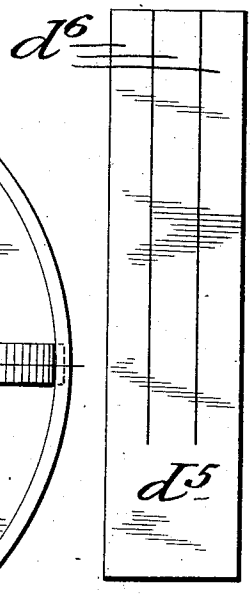
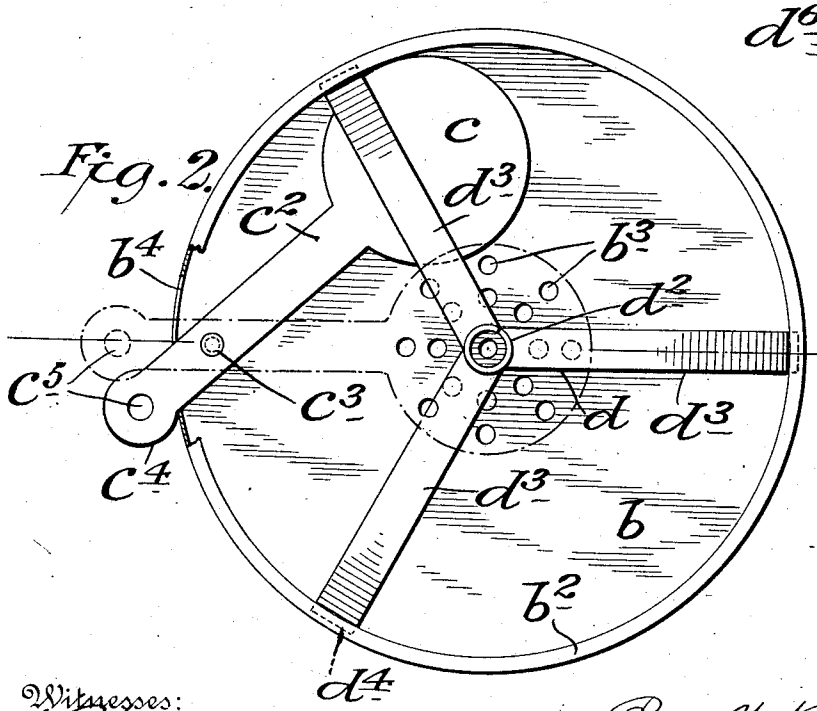


Fig. 2.



Witnesses:
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By his Attorneys Edgar Tate & Co.

UNITED STATES PATENT OFFICE.

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HEATING DEVICE OR ATTACHMENT FOR GAS-BURNERS.

1,048,177. Specification of Letters Patent. Patented Dec. 24, 1912.

Application filed July 9, 1912. Serial No. 708,419.

To all whom it may concern:

Be it known that I, PAUL W. KOHLOFF, a citizen of the United States, and residing at Colonial Park, Larchmont, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Heating Devices or Attachments for Gas-Burners, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to heating devices designed for use in connection with gas or other illuminating burners, and the object thereof is to provide an improved device of this class which is simple in construction, comparatively inexpensive, and which may be quickly and easily applied to an ordinary gas burner, and which may be used for the purpose of heating a room, as a support for an article to be cooked, or for a vessel containing water or other liquids to be heated or food to be cooked; a further object being to provide a device of the class specified one part of which may be used as a stove lid or cover, or as a broiler, or in connection with a gas range or similar heater for various purposes in the process of cooking different articles of food; and with these and other objects in view the invention consists in a device of the class specified constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification of which the accompanying drawing forms a part, in which the separate parts of my invention are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a side view of a gas fixture provided with my improvement, the construction of which is shown in section;—Fig. 2 a bottom plan view of the device detached from the gas fixture with part of the construction broken away, and showing parts thereof in a different position;—Fig. 3 a plan view of a blank from which is formed the supporting member of my improvement by which it is connected with the gas fixture, and Fig. 4 a view similar to Fig. 1, but showing a detail only and showing a modification.

In the drawing forming part of this specification I have shown a gas fixture a, comprising a supply pipe a^2 provided with a nozzle a^3, and in the practice of my invention, I cut from a suitable sheet of metal a circular disk or plate b provided with a depending inwardly curved rim b^2, and the central portion of which is perforated or provided with apertures b^3 which may be of any desired number and of any preferred size.

Mounted beneath the disk or plate b is a damper c adapted to close the perforations or apertures b^3, and said damper is provided with a shank or handle member c^2 pivoted adjacent to one edge of the disk or plate b, as shown at c^3, and said shank or handle member is provided with a handle c^4 which passes through a slot b^4 in the rim b^2 of the disk or plate b, and in the end of which is preferably formed a hole or opening c^5 by means of which the device may be suspended from a hook, nail or other device, when not in use.

I also provide a spider-shaped holder or support d for the disk or plate b, comprising a tubular member d^2 adapted to be passed down over the nozzle a^3 of the gas fixture a, as shown in Fig. 1, and having radially and upwardly directed spring arms d^3 provided with outwardly directed projections or feet d^4 adapted to be inserted into an annular groove formed by the rim b^2 of the disk or plate b, and which opens inwardly. The holder or support d is formed from a blank d^5, shown in Fig. 3, one end portion of which is split longitudinally to form similar parts d^6 from which the spring arms d^3 are formed, and in Fig. 4, I have shown a modification in which the projections or feet b^4 of the spring arms d are made longer, so that said arms will form a more substantial support for the disk or plate in case it may be desired to place an article of considerable weight thereon. With this construction the disk or plate b may be quickly and easily connected with the support d by simply slipping the outer end portions of two of the arms d^3 into the groove formed by the rim b^2, of said disk or plate, and then springing the other arm inwardly slightly so that the projection or foot d^4 at the end thereof can also enter said groove, and said disk may be detached from its support by reversing the above operation.

When this device is intended for the purpose of heating a room only, the damper c may be closed, and at the same time water or other material may be heated in a suit-

able vessel placed on the disk or plate *b*, but when it is desired to heat water or other liquids or articles, the damper *c* is preferably opened. The disk or plate may also be detached from its supports and placed on a table and used as a holder for flat-irons, or other articles, and said disk or plate may also be used as a stove lid, or in connection with a gas range or other heater as a support for various articles to be heated or cooked, or vessels containing such articles, and the use of the damper on all such occasions will be readily understood, and when the device is not in use it may be suspended from a wall or other support by means of the handle c^4 and the use of my improvement in connection with a gas burner does not interfere with the use of said burner for illuminating purposes.

Having fully described my invention what I claim as new and desire to secure by Letters Patent is;—

1. In a heating attachment for gas burners, a disk or plate provided with a depending inwardly curved rim forming an annular groove which opens inwardly, and a support adapted to be connected with the nozzle of the burner, and provided with upwardly and outwardly directed spring arms having end projections adapted to enter said groove.

2. In a heating attachment for gas burners, a disk or plate provided with a depending inwardly curved rim forming an annular groove which opens inwardly, and a support adapted to be connected with the nozzle of the burner, and provided with upwardly and outwardly directed spring arms having end projections adapted to enter said groove, said disk or plate being provided centrally with perforations or apertures, and said rim with a horizontal slot and a damper mounted on the bottom of said disk or plate and adapted to open and close said apertures, said damper being provided with a handle which extends radially of the bottom of said disk or plate and is pivoted thereto adjacent to one edge portion thereof and which passes through the slot in the rim thereof.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 8th day of July 1912.

PAUL W. KOHLOFF.

Witnesses:

S. ANDREWS,

C. MULREANY.