(No Model.)

J. A. WILSON.

HEATING ATTACHMENT FOR GAS BURNERS.

No. 421,217. Patented Feb. 11, 1890.

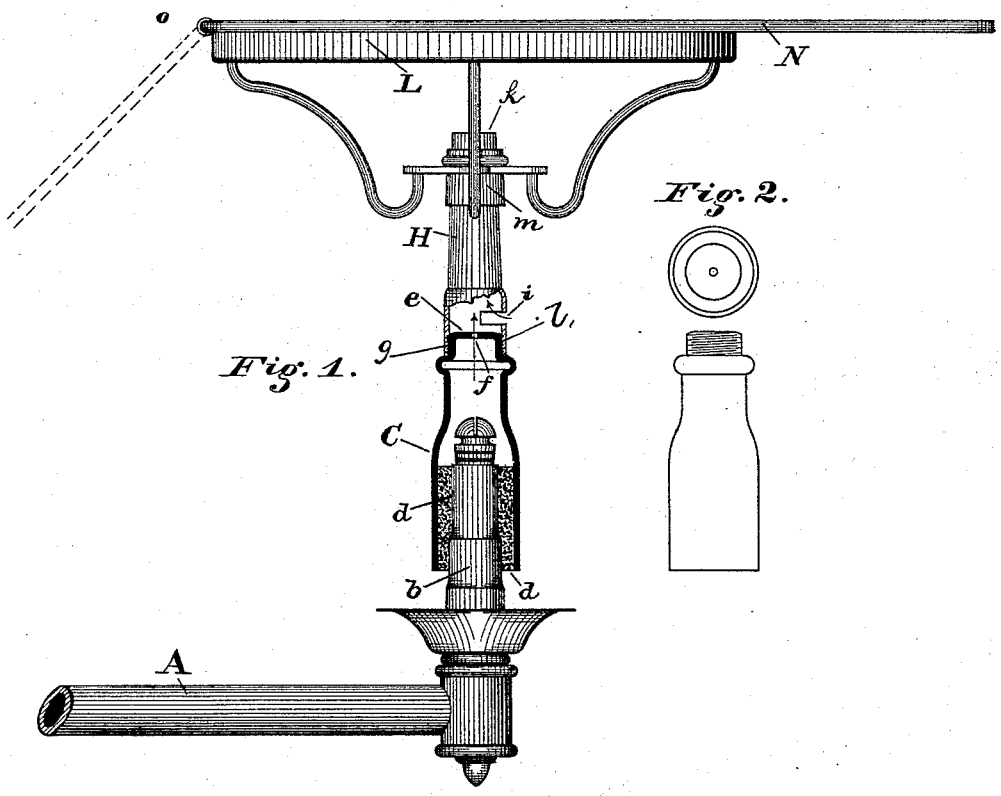

Fig. 1.

Fig. 2.

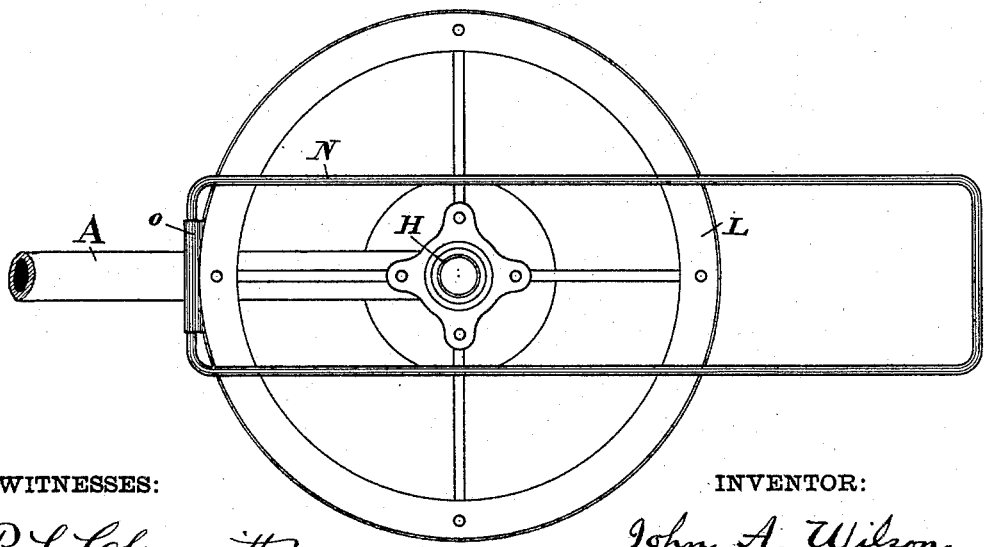

Fig. 3.

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UNITED STATES PATENT OFFICE.

JOHN A. WILSON, OF BALTIMORE, MARYLAND.

HEATING ATTACHMENT FOR GAS-BURNERS.

SPECIFICATION forming part of Letters Patent No. 421,217, dated February 11, 1890.

Application filed May 15, 1889. Serial No. 310,798. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. WILSON, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Heating Attachments for Gas-Burners, of which the following is a specification.

This invention relates to an attachment for illuminating-gas burners, by which to support articles to be heated.

In the drawings herewith, Figure 1 is an elevation, partly in section and partly in side view. Fig. 2 is a view of the slip part of the attachment. Fig. 3 is a top view of same.

The letter A designates the arm of an ordinary illuminating-gas bracket, and *b* the burner. The attachment that is applied to the said burner comprises the slip part C, having an inside rubber packing *d* to fit close about the burner *b*, as shown, a top crown *e*, provided with a small central aperture *f*, and a screw-thread *g* around the upper end, near the crown. This construction of slip part provides for a tight fit around the gas-burner *b*, and the gas that escapes at the central aperture *f* will be forced therefrom under the usual pressure.

The heating-burner H is constructed on the Bunsen plan. It is attached by a screw *l* to the thread *g* on the slip part and has a side slot *i* for the admission of air. The top *k* is entirely open, and a heating-flame will issue therefrom.

The slip attachment, with inside rubber packing *d*, not only adapts the device to fit onto a gas-burner tightly, but co-operates with the heating-burner H and its side slot *i*, so that the gas must escape under pressure from the central aperture *f*, and as this gas is forced directly upward into the burner H it acts as an injector to draw the atmosphere in at the side slot *i*. The burner H supports a ring L, which has a slip-collar *m* to fit around the top of the burner. A wire frame N is jointed by one end at *o* to the ring L, and may be extended horizontally across the ring, as shown, to support ladies' hair-curling irons, or may hang down pendent from its jointed end to leave the ring unobstructed and permit cups or other vessels to be set thereon.

Having described my invention, I claim—

In a heating attachment for gas-burners, the slip part C, provided with a packing *d* at its lower end, adapted to fit upon an ordinary gas-burner, the said part C being shouldered and externally screw-threaded at its upper end and provided with a small aperture, in combination with the heating-burner H, the supporting-ring L, and hinged frame N, the heating-burner being internally screw-threaded at its lower end and fitted upon the threaded portion of the part C, and provided with a side opening *i* for the admission of air, substantially as specified.

In testimony whereof I affix my signature in the presence of two witnesses.

JOHN A. WILSON.

Witnesses:

JOHN E. MORRIS,

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