(No Model.)

W. V. BAUMANN.

CURLING IRON HEATER.

No. 460,055. Patented Sept. 22, 1891.

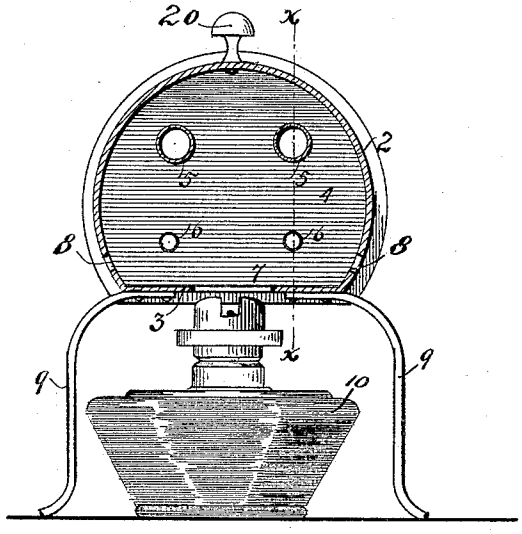

Fig. 1.

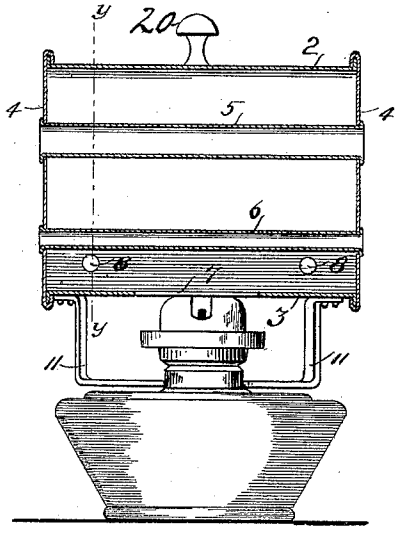

Fig. 2.

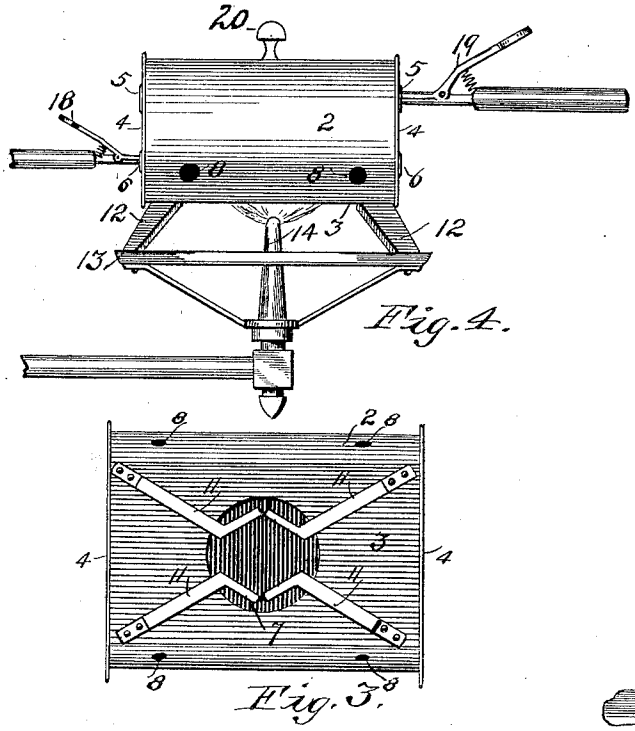

Fig. 4.

Fig. 3.

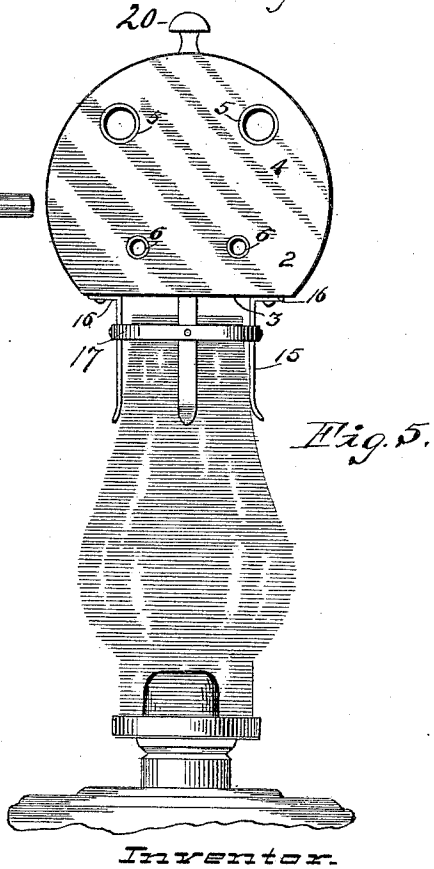

Fig. 5.

Witnesses.
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By Paul Mercuri Attys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM V. BAUMANN, OF MINNEAPOLIS, MINNESOTA.

CURLING-IRON HEATER.

SPECIFICATION forming part of Letters Patent No. 460,055, dated September 22, 1891.

Application filed February 28, 1891. Serial No. 383,172. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM V. BAUMANN, of Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain Improvements in Curling-Iron Heaters, of which the following is a specification.

My invention relates to convenient and inexpensive means for heating ordinary curling-irons and holding the same while being heated.

The object of my invention is to provide a small heater-drum and holder adapted to be placed over an ordinary lamp or gas-jet.

My invention consists in a drum having perforated sides and bottom, and tubes or flues extending horizontally through said drum and into which the curling-iron may be inserted, and further in the various details of construction and in combinations hereinafter described, and particularly pointed out in the claim.

My invention will be more readily understood by reference to the accompanying drawings, in which—

Figure 1 is a transverse section of a device embodying my invention as seen from the line *y y* of Fig. 2. Fig. 2 is a longitudinal section on the line *x x* of Fig. 1. Fig. 3 is a view from below of the device shown in Fig. 2. Fig. 4 is a view showing the device secured above a gas-jet. Fig. 5 is an end view of the same, fixed on the top of an ordinary lamp-chimney.

In the drawings, 2 represents the heating-drum, having the flattened bottom 3 and the perforated end 4, in which the ends of the flues 5 and 6 are secured. Two sizes of these flues are preferably provided, the upper ones being adapted to receive the larger curling-irons and the lower ones of a size just large enough to accommodate small irons. An opening 7 is provided in the bottom piece 3, through which the flame from the lamp or gas-jet passes into the interior of the drum. Small openings 8 are provided in the lower side or corners of the drum for the outlet of the air after being cooled by contact with the radiating surfaces of the heater.

I employ various means for supporting the heating-drum or heater, as suitable legs 9 long enough to raise the drum high enough to allow the lamp 10 to be placed beneath the same. These legs may be bent, as shown in Figs. 2 and 3, so as to clamp about the burner of the lamp. The feet 11 may be easily bent to conform to any size burner.

Where the heater is to be used over a gas-jet, I provide short legs 12, as shown in Fig. 4, adapted to set down into the rim 13 in which the globe is usually secured. The gas-tip 14 is thus brought centrally beneath the heater.

For use upon an ordinary lamp-chimney I provide the depending feet or lugs 15, having the angle portions 16 riveted to the bottom of the heater. A ring 17 is provided about the feet to prevent the same from spreading too much.

I provide a small knob or handle 20 upon the top of the heating-drum, by means of which the same may be steadied or lifted.

The heated air from the lamp, gas-jet, or other source rises through the opening 7 in the bottom of the heater and is evenly distributed throughout the same, first rising into the top thereof and then gradually passing off as it is cooled through the lower openings 8. The flues 5 and 6 are thus heated to a high temperature. The curling-irons 18 and 19 being inserted into these open-ended tubes or flues are consequently heated to a greater or less degree, according to the length of time during which they are allowed to remain therein.

The advantages of my heater are the gradual and even heating of the curling-iron throughout the whole length thereof and freedom from soot or smoke.

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

The combination, in a curling-iron heater, of the drum 2, having the perforated heads 4, with the horizontal tubes or flues secured in the perforations of said heads and forming openings extending through the drum

from end to end, the drum being provided with an opening 7 in its bottom for the admission of the heating jet or flame and openings 8 in its sides and below the level of the flues therein, the remaining parts of the walls of the drum being imperforate, and means for supporting said drum over the heating lamp flame or jet substantially as described.

In testimony whereof I have set my hand this 24th day of February, 1891.

WILLIAM V. BAUMANN.

In presence of—
FRED. S. LYON,
C. G. HAWLEY.