

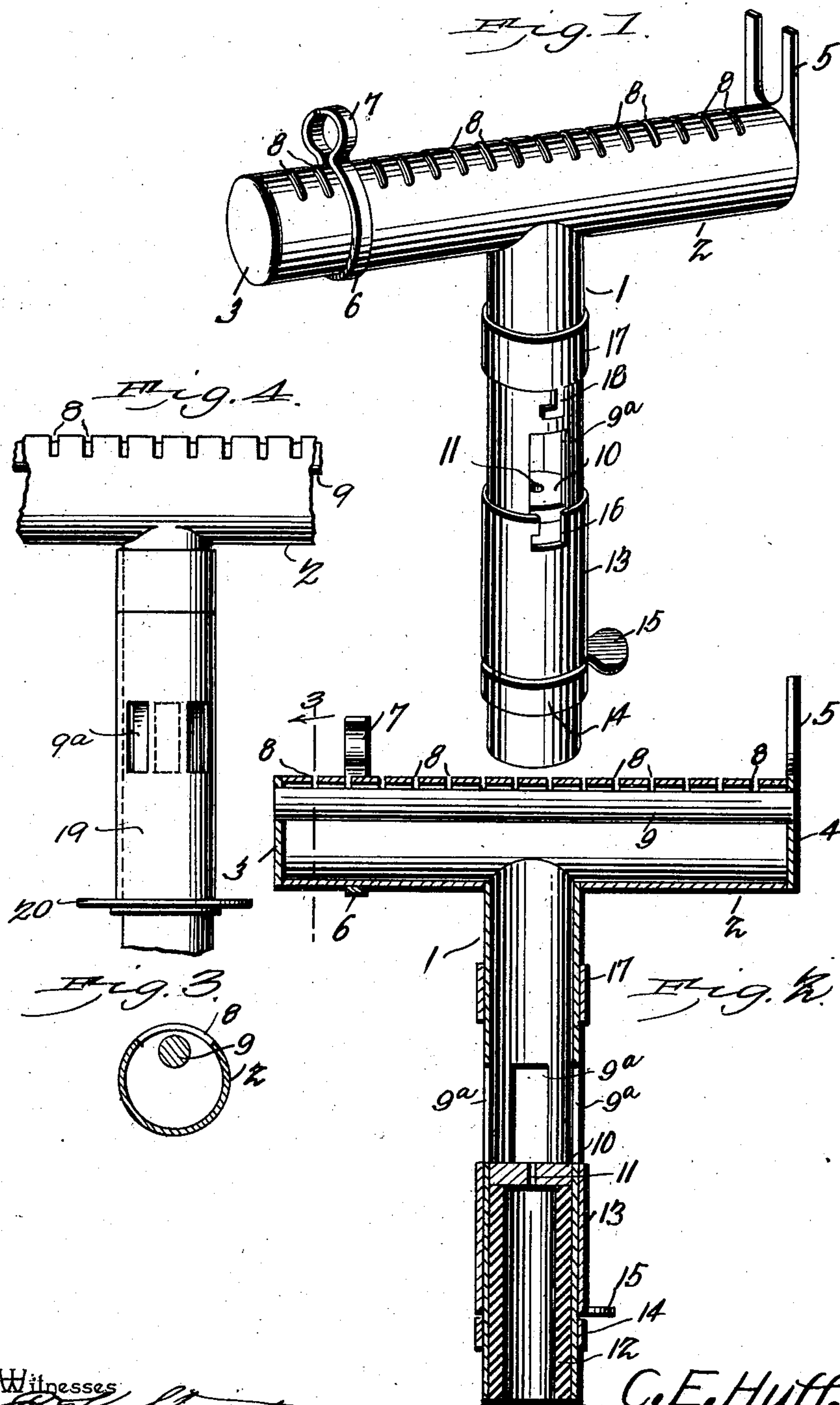
No. 729,346.

PATENTED MAY 26, 1903.

C. E. HUFF.
CURLING IRON HEATER.

APPLICATION FILED MAR. 4, 1902.

NO MODEL.



Witnesses

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CURLING-IRON HEATER.

SPECIFICATION forming part of Letters Patent No. 729,346, dated May 26, 1903.

Application filed March 4, 1902. Serial No. 96,660. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ELMER HUFF, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Curling-Iron Heater, of which the following is a specification.

This invention relates to curling-iron heaters.

The object of the invention is to provide a heater which will in a rapid, convenient, and practical manner and without the deposition of soot heat a curling-iron or other like implement.

A further object is to provide a curling-iron heater which may by a slight adjustment of its parts be converted from a Bunsen burner into an ordinary gas-jet.

With these and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a curling-iron heater, as will be hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which like numerals of reference indicate corresponding parts, there is illustrated one form of embodiment of the invention capable of carrying the same into practical operation, it being understood that the elements therein exhibited may be varied or changed as to shape, proportion, and exact manner of assemblage without departing from the spirit thereof.

In the drawings, Figure 1 is a view in perspective of a curling-iron heater constructed in accordance with the present invention. Fig. 2 is a view in vertical longitudinal section. Fig. 3 is a view in transverse section, taken on the line 3-3, Fig. 2, and looking in the direction of the arrow thereon. Fig. 4 is a view in elevation of a slightly-modified form of the invention.

Referring to the drawings, 1 designates the stem or shank of the heater, and 2 the head thereof, the latter having its ends closed by plates 3 and 4, the latter plate being extended above the head and bifurcated to present a fixed curling-iron support 5. Upon the opposite portion of the head is placed a collar 6, having a circular extension 7 to receive the end of the curling-iron, the collar being ad-

justable on the head to adapt the device for heating irons of different lengths. The upper surface of the head is provided with a plurality of gas-escape openings 8, in this instance in the shape of transverse slots, below which, on the interior of the head, is arranged a fluid-spreader 9 in the nature of a bar of metal secured in the plates 3 and 4, the term "fluid" being employed to express generically either gas or a mixture of air and gas.

The intermediate portion of the stem 1 is provided with a plurality of air-receiving openings 9^a, at the lower terminals of which is arranged a plug 10, having a small gas-escape orifice 11. The lower portion of the shank is provided with a resilient gasket 12, adapted to fit upon the tip of an ordinary gas-burner.

When the device is used as a heater for curling-irons, it is of course desirable that the flame above the burner-head should be blue, in order that no soot be deposited upon the curling-iron, and to effect this the air-supply openings are left unobstructed, as shown in Figs. 1 and 2. Gas will pass through the orifice 11 and be mixed with the air entering the supply-openings and then pass up into the head 2 and out through the openings 8, where the gas is ignited. By the provision of the fluid-spreader 9 the incoming current of mixed air and gas is caused to be deflected laterally on both sides of the burner-head, and thus when ignited will curl up around the side of the iron, and thereby effect rapid and even heating thereof.

Should it be desired to use the device as an ordinary gas-burner, the openings 9^a will be closed, so that when the gas is ignited it will burn with a red flame, and thus illuminate a room. To effect this result, there is associated with the stem an imperforate collar 13, which normally rests upon a flange 14 and terminates in this instance practically in line with the upper face of the plug 10, the collar being provided with a thumb-piece 15, by which it may be raised or lowered, as desired. As a means for holding the collar elevated, thus to close the air-supply openings and cause the device to burn a red flame, suitable locking means may be provided, which in this instance is shown as an ordinary bayonet-joint lock, the collar being provided with a

bayonet-slot 16 and a flange or collar 17, secured to the stem with an L-shaped boss 18 to interlock with the slot.

In Fig. 4 there is shown a modified form of collar for controlling passage of air to the burner-head, and consists of a sleeve 19, provided with air-supply openings to register with those in the shank of the heater, the sleeve being provided at its base with an out-
 10 standing flange 20, by which it may be turned to open or to close the openings 9^a, it being understood that the sleeve has a rotary movement upon the shank, but no longitudinal movement.

15 The advantage of adapting the device for burning both a heating and an illuminating flame will be apparent, as where a room is provided only with a single gas-jet removal of the device from the jet after the iron is
 20 heated will be rendered unnecessary, as by moving the collar or sleeve to close the openings 9^a a light will be furnished which will enable a person to see practically as well as with the ordinary jet. Without providing
 25 for this contingency each time an iron is heated the heater would have to be removed from the jet before a person could see.

While the device of this invention is exceedingly simple of construction, it will be
 30 found highly efficient in use and of great utility for the purposes stated.

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

35 1. In a curling-iron heater, the combination with a burner-head provided with transversely-disposed fluid-escape openings, of a fluid-spreader disposed longitudinally of the head and below and adjacent to the said
 40 openings.

2. A curling-iron heater comprising a burner-head provided with transversely-dis-

posed fluid-escape openings, fluid-spreading means disposed beneath and adjacent to the openings, a shank provided with air-receiving
 45 openings and with a perforated plug disposed adjacent to the lower terminals thereof, and an adjustable collar mounted on the shank and adapted to free or close the said open-
 50 ings.

3. A curling-iron heater, comprising a burner-head having closed ends and transversely-disposed fluid-escape openings, and a longitudinally-disposed fluid-spreader dis-
 55 posed below and adjacent to the openings and having its terminals secured in the said ends.

4. A curling-iron heater comprising a shank provided with air-receiving openings and means for controlling passage of air there-
 60 through, a horizontally-disposed burner-head carried by the shank and having closed ends and transversely-disposed escape-openings, and a longitudinally-disposed fluid-spreader arranged below the openings and having its
 65 terminals secured in the said ends.

5. A curling-iron heater comprising a burner-head having closed ends and transversely-disposed fluid-escape openings, fixed and adjustable curling-iron supports associ-
 70 ated with the head, a longitudinally-disposed fluid-spreader arranged below and adjacent to said openings, and having its terminals secured in the said ends, a shank connected with the head and provided with air-receiving
 75 openings, and means for controlling the passage of air through the openings.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHARLES ELMER HUFF.

Witnesses:

IVAR E. HINDMARSH,
 OLOF MOVINE.