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T. S. LORENZE ET AL

ELECTRICAL CURLING IRON HEATER

Filed May 4, 1925

Fig. 1.

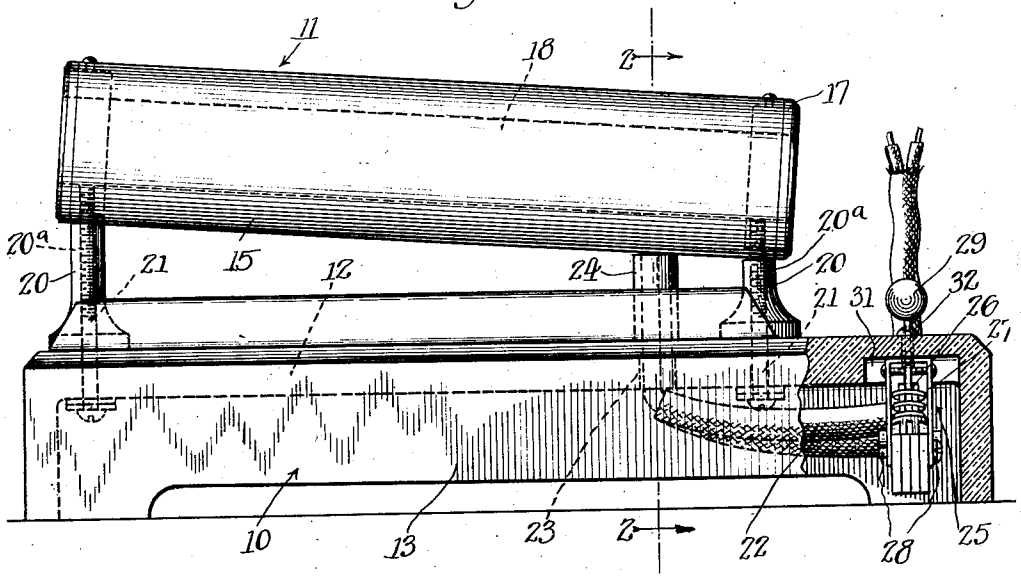
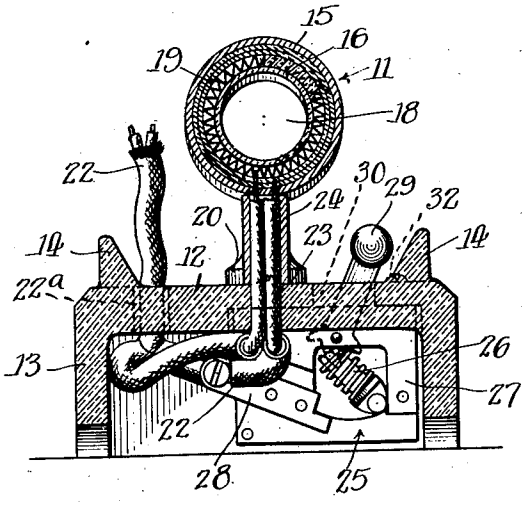


Fig. 2.



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UNITED STATES PATENT OFFICE.

THEODORE S. LORENZE AND WARREN S. SCHMIDT, OF CHICAGO, ILLINOIS, ASSIGNORS TO THE MASTER ELECTRIC CO., OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

ELECTRICAL CURLING-IRON HEATER.

Application filed May 4, 1925. Serial No. 27,694.

To all whom it may concern:

Be it known that we, THEODORE S. LORENZE and WARREN S. SCHMIDT, citizens of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Electrical Curling-Iron Heater, of which the following is a specification.

Our invention relates to improvements in electrical curling iron heaters and more specifically to a curling heater having a control switch apart from the heating muffle.

The general object of the invention is to provide an electrical curling iron heater of improved construction, which is inexpensive to manufacture, efficient from an operating standpoint, and neat in appearance.

A more specific object is to provide a novel curling iron heater having an electrical control switch mounted within a supporting base and operable from a convenient point outside of the base.

Further objects and advantages will be apparent from the following description.

In the accompanying drawings Fig. 1 is a front elevation partly in section of a curling iron heater embodying the features of our invention.

Fig. 2 is a sectional view taken along the plane of the line 2—2 of Fig. 1.

Referring to the embodiment of the invention illustrated in the drawings, 10 represents a hollow rectangular base above which is supported an electrical heating muffle 11. Preferably the base is molded from insulating and heat resisting material and comprises a flat top wall 12 and a peripheral side wall 13. In the present instance, ribs 14 formed along the longitudinal edges of the top serve to retain curling irons or other instruments placed upon the base.

The muffle 11 may be of any preferred shape or construction. It is shown in the drawings as comprising two metal tubes 15 and 16 held together in concentric relation by end rings 17. The inner tube 16 defines a central heating chamber 18 and is surrounded by a suitable electrical heating element 19 properly insulated from each of the tubes 15 and 16.

The muffle 11 is supported above the base 10 on two spaced apart standards 20 each having a central bore 20ª. Bolts 21 extending through the standards 20 from the under side of the base and threading into the end rings 17 serve to clamp the muffle 11 rigidly to the base. One of the standards 20 is longer than the other in the present instance so that the muffle is supported in inclined position relative to the base.

The heating element 19 is connected to the source of power by insulated lead wires 22 which may enter the base 10 through a hole 22ª in the top wall 12 and extend upwardly through a central opening 23 into the outer tube 15. Between the base 10 and the tube 15, the wires 22 are protected by a metal conduit 24.

To control the current supply to the heating element 19, a snap switch 25 is interposed in one of the lead wires 22. The switch shown herein comprises a swinging contact lever 26 mounted in a frame 27 and adapted to close a circuit across two insulated terminals 28 connected respectively to the ends of the broken lead wire. 29 is an operating lever pivoted in the frame and arranged to swing the lever 26.

In the present instance, the switch is of such size and shape that it can be mounted within the hollow base 10 with the operating lever 29 projecting through a slot 30 in the top of the base. The frame 27 of the switch is seated in a recess 31 in the top wall 12 and is secured to the wall by screws 32. Suitable legends are provided on the base around the slot 30 to indicate the "on" and "off" positions of the switch.

It will be apparent that we have provided a curling iron heater which is inexpensive and durable in construction, simple and convenient to operate, and neat and artistic in appearance. The base being of insulating material effectually avoids any danger of damage to the supporting surface on which the heater is placed, while increasing the efficiency of the heater as such. Furthermore the construction is well adapted for the association therewith of the control switch with only its operating lever exposed to view, and that readily and conveniently accessible to effect the control of current flow without necessitating a severing of the line connections by pulling a plug as has heretofore been necessary.

We claim as our invention:

1. An electrical curling iron heater hav-

ing, in combination, a hollow base of molded insulation comprising a flat top and a depending peripheral supporting wall, upright standards on the base, a heating muffle supported by said standards, lead wires extending through certain of the walls of the base and connecting said muffle to a source of current, a switch controlling the flow of current to said muffle, said switch being located beneath the top wall of the base and between said depending supporting wall so as to be concealed within the base, and an operating member for the switch projecting through the top wall of the base.

2. An electric curling iron heater comprising, a base molded of heat insulating material and having a top wall and depending side portions providing supports for the top wall, a heating muffle, a pair of standards for supporting the opposite ends of said muffle above the base, one end of said base being extended beyond the heating muffle, and a current control switch enclosed within such extended portion and having an operating lever projecting through the base.

In testimony whereof we have hereunto affixed our signatures.

THEODORE S. LORENZE.
WARREN SCHMIDT.