Dec. 2, 1930. J. KOERNER 1,783,881

PERMANENT WAVE BEAUTIFIER

Filed Nov. 2. 1929

Fig. 1.

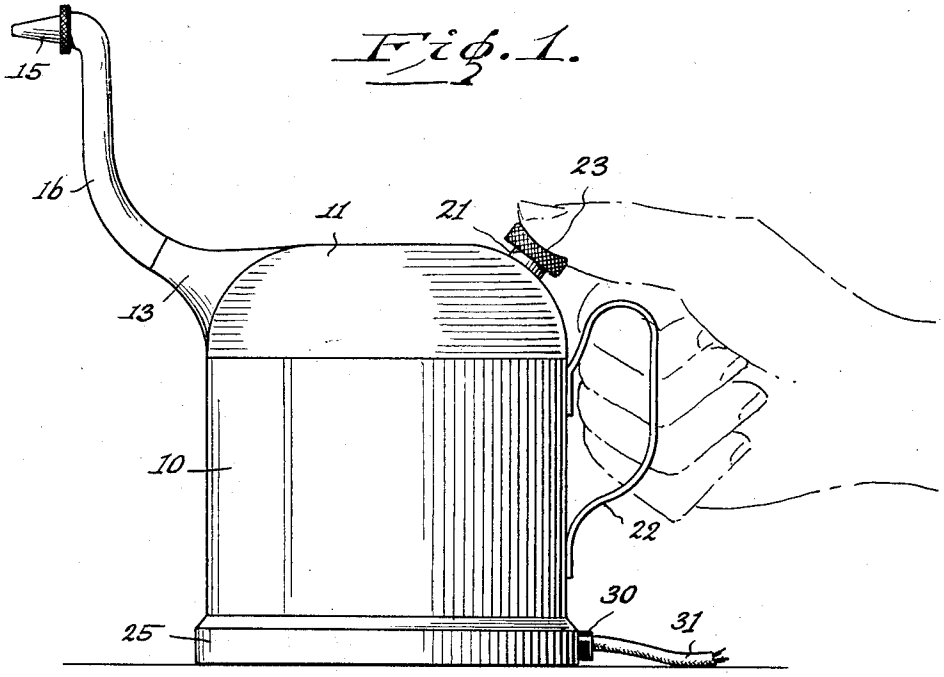


Fig. 2.

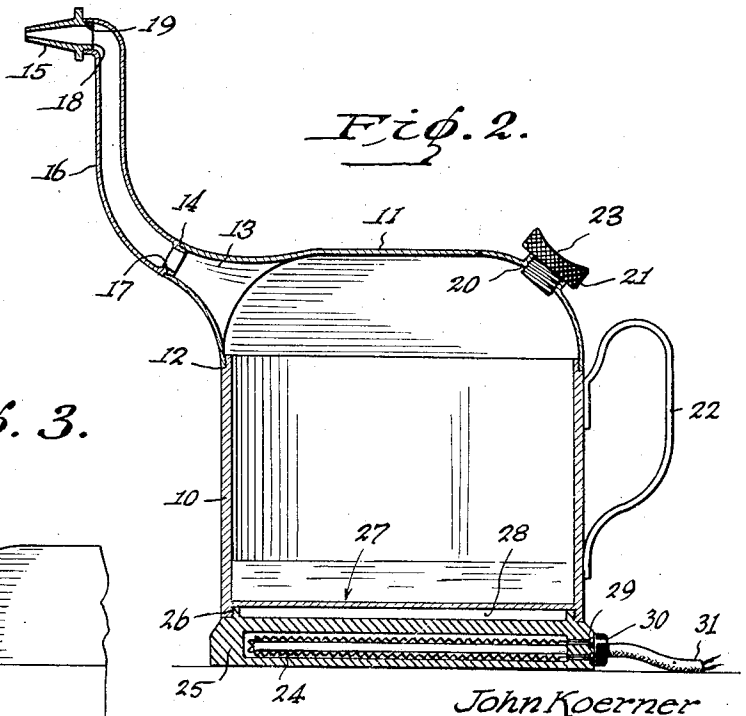
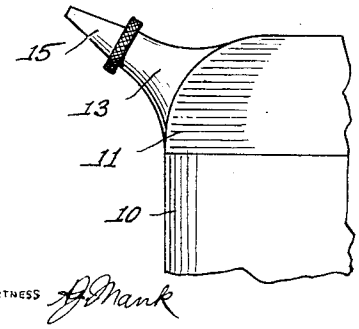


Fig. 3.



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UNITED STATES PATENT OFFICE

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PERMANENT-WAVE BEAUTIFIER

Application filed November 2, 1929. Serial No. 404,347.

This invention relates to a permanent wave beautifier and aims particularly to provide a simple, handy and convenient device for revivifying and restoring the wavy conformation of the hair after the effect of a so called permanent wave has to a substantial extent disappeared.

In the operation of waving the hair the curls or strands are usually waved on a curling rod and are then subjected to a steam operation. After a time, the curls or waves lose their shape and it becomes necessary for the subject to go to an additional expense for another permanent wave.

The primary object of my invention is to enable a permanent wave to be revived from time to time so that the subject may maintain the hair in an attractive condition substantially the same as immediately after a so called permanent wave.

Another object is to construct a device of simple and handy form which can be readily manipulated by the user and applied to the hair to beautify and revive the same.

A further object is to simplify and improve the construction of devices of this type and reduce the cost of manufacture thereof so that the device can be sold at small cost and thus be readily availed of by the public.

Other objects and advantages of the invention will be hereinafter specifically pointed out, or will become apparent, as the specification proceeds.

With the above indicated objects in view, the invention resides in certain novel construction and combinations and arrangement of parts, clearly described in the following specification and fully illustrated in the accompanying drawings, which latter show an embodiment of the invention as at present preferred.

In the drawings:

Figure 1 is a side elevation showing the device as it appears in use.

Figure 2 is a transverse sectional view on the line 2—2 of Figure 1.

Figure 3 is a detail view illustrating the adjustability of the applicator portion of the device.

The permanent wave beautifier in this instance comprises a receptacle 10 which may be of cylindrical or other suitable form, having an enclosing cover 11 which may be screw threaded to the upper part of the receptacle as indicated at 12. The cover 11 in this instance is provided with an outlet portion 13, this portion 13 having a screw threaded socket 14. A nozzle 15 is provided for application to the hair and this nozzle 15 is adapted to be screwed into the socket 14 of outlet 13, or an elongated neck 16 may be provided to provide a longer reach for the applicator nozzle 15 when desired, this elongated neck portion 16 having screw threaded ends 17 and 18 adapted to co-operate with the socket 14 and screw threaded portion 19 of the nozzle 15 respectively.

The receptacle 10 is adapted to contain a suitable liquid which is heated in the receptacle so as to produce steam which may then pass through the outlet 13, neck 16 and nozzle 15 for application to the hair of the subject. This liquid is introduced into the receptacle in the present instance by means of an opening 20, this opening being closed by a particular form of screw cap 21.

As seen in Figure 1, the receptacle 10 is provided with a handle 22 at one side of the device; and the arrangement is such that when this handle is grasped in the hand of the user, the thumb of the user may rest upon the concave top 23 of the screw cap 21. This screw cap 21 preferably being insulated and the handle 22 as well so that the user will not sustain any discomfort due to the heat of the apparatus while held in the hand.

To produce the required supply of steam from the liquid introduced into the receptacle 10 through the filling opening 20, I provide in this instance an electric heating element 24, which preferably includes a plurality of layers of resistance members, for the purpose of obtaining rapid generation of steam. This heating element 24 in this instance is enclosed within a base 25, having an upstanding rim 26 screw threaded at the base of the receptacle 10 beneath the bottom 27 of the latter so as to form a heating chamber 28. Terminal members 29 are provided

at the side of the base 25, beneath the handle 22 and a connecting plug 30, having circuit wires 31, is adapted to be connected to the terminals 29 from any convenient source for the purpose of producing the necessary heat to obtain rapid steam generation.

The plug 30, wires 31, handle 22 and cap 23 being all in alignment at the end of the device opposite the nozzle 15, great convenience is afforded for the user in manipulating the device.

The insertable neck 16 may or may not be used, according to the desires of the user; as for example, when sitting at a dressing table is may be desirable to shorten the length of the outlet; while in standing or in other positions, the lengthened outlet, through the use of the neck 16, enables the user to hold the arm at a more comfortable low position which will enable the user to employ the device for as long a period as may be desired without tiring the arm.

The arrangement of the handle 22 in convenient juxtaposition to the thumb portion 23 of the cap 21 enables the operator to maintain a firm yet comfortable grip in supporting the apparatus. Thus, both the arm and the hand are not likely to become tired regardless of the length of time the device is held in the hand during proper use of the device.

In the operation of the apparatus, the screw cap 21 is removed and a small quantity of suitable liquid is introduced through the filling opening 20 into the receptacle 10. The cap 21 is then secured in place and the electric current turned on. The liquid will be quickly vaporized and emitted through the nozzle 15 and the receptacle manipulated to move the nozzle about and through the hair to provide the desired result of revivifying and restoring the wavy conformation of the hair substantially as originally provided in the permanent waving operation.

The hereinbefore described construction admits of considerable modification without departing from the invention; therefore, I do not wish to be limited to the precise arrangements shown and described, which are, as aforesaid, by way of illustration merely. In other words, the scope of protection contemplated is to be taken solely from the appended claims, interpreted as broadly as is consistent with the prior art.

What I claim is:

1. A permanent wave beautifier including a hollow receptacle having a handle at one of its sides, an outlet member at the opposite side, the upper portion of said receptacle having a filling opening adjacent to said handle, a screw threaded cap for said filling opening, whereby said handle is graspable by the fingers of one hand of the user while the thumb rests upon said filling opening cap, a nozzle member, an elongated tubular member having its opposite ends screw threadedly engageable with said nozzle member and said outlet member, respectively, a base secured at the lower part of said receptacle, said base including an electric heating element, said base having upstanding portions and said receptacle having downturned portions cooperative with the latter to form a heating chamber below said receptacle and above said heating element, and electrical connections for said heating element.

2. A permanent wave beautifier including a hollow receptacle having a handle at one of its sides and an elongated tubular outlet member at the opposite side, a nozzle in said elongated tubular outlet member, the upper portion of said receptacle having a filling opening adjacent to said handle, a screw threaded cap for said filling opening, whereby said handle is graspable by the fingers of one hand of the user while the thumb rests upon said filling opening cap, a base secured at the lower part of said receptacle, said base including an electrical heating element, the base of said receptacle being formed to provide a heating chamber above said heating element, and electric terminal members at the side of said base adjacent to said handle.

3. A permanent wave beautifier including a hollow receptacle having a handle at one of its sides and an elongated outlet member at the opposite side, the upper portion of said receptacle having a filling opening adjacent to said handle, a screw threaded cap for said filling opening, whereby said handle is graspable by the fingers of one hand of the user while the thumb rests upon said filling opening cap, a nozzle on said elongated outlet member, a base secured at the lower part of said receptacle, said base including an electrical heating element, said base having upstanding portions and said receptacle having downturned portions cooperative with the latter to form a heating chamber above said heating element, and electric terminal members at the side of said base adjacent to said handle.

In testimony whereof I hereto affix my signature.

JOHN KOERNER.