April 10, 1928.

1,665,619

C. S. ACKLEY

APPARATUS FOR WAVING HAIR

Filed March 25, 1926

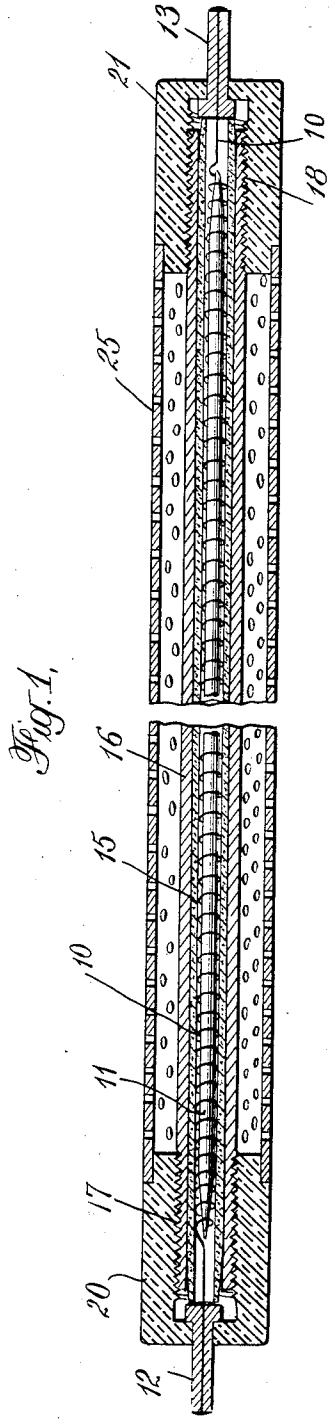

Fig. 1.

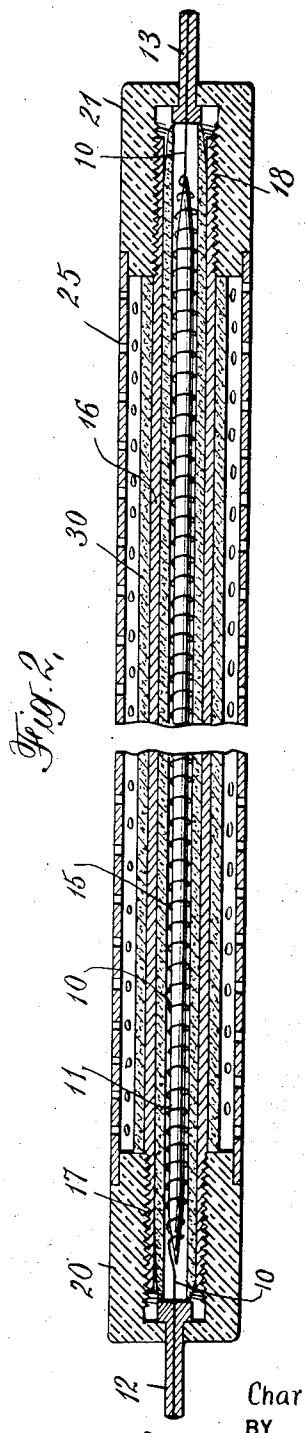

Fig. 2.

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APPARATUS FOR WAVING HAIR.

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This invention relates to a device for curling or waving hair.

Many types of devices have been developed for placing curls, waves or transformations in hair, but the use of such devices has very often caused the hair to be burned or scorched and in some cases the hair has been permanently injured.

This invention has for its salient object to provide a device of the character described that will produce a lasting wave or curl in the hair without injuring or burning the hair.

Further objects of the invention will appear from the following specification taken in connection with the drawings, which form a part of this application, and in which

Fig. 1 is a longitudinal sectional elevation of a curling rod constructed in accordance with the invention; and

Fig. 2 is a view similar to Fig. 1 but showing a slightly modified form of the device.

The invention briefly described consists of a curling rod or hair waving device having a heating element disposed centrally therein and preferably mounted on an asbestos core. The heating element is surrounded by a tube formed of metal, porcelain or other suitable material spaced from the element and the tube is in turn surrounded by a perforated sleeve formed of suitable material which is spaced from the tube. The heating element may consist of a high resistance wire and a connecting terminal may be provided at each end of the rod, or both ends of the wire may be led through a single terminal. In the slight modification of the invention shown in Fig. 2, the inner tube is surrounded by absorbent material, such as asbestos. Further details of the invention will appear from the following description.

In the form of the invention illustrated in Fig. 1, a high resistance wire 10 is coiled around a core 11 of insulating material, such as asbestos, and the two ends of the wire are secured respectively in plugs 12 and 13.

The coils of the high resistance wire 10 are surrounded by insulating material, such as a sheath 15 of asbestos, and the sheath 15 is in turn surrounded by a tube 16 formed of metal, porcelain or other suitable material. In the particular forms of the invention illustrated, the two ends of the tube 16 are screw threaded as shown at 17 and 18 and caps 20 and 21, preferably formed of insulating material, such as hard rubber or papier mâché or bakelite.

The perforated sleeve 25 is mounted at its ends on the inner ends of the caps 20 and 21 and, as clearly illustrated, this sleeve is spaced from the tube 16.

In the form of the invention illustrated in Fig. 2, the construction of the device is substantially as that shown in Fig. 1, but in this embodiment of the invention a sheath or covering 30 of absorbent material, such as asbestos, is mounted on the outer surface of the tube 16.

In using the curling rod shown in Fig. 1, the hair will be moistened and wound tightly around the rod and secured thereto in a suitable manner.

The rod shown in Fig. 2 will preferably be dipped in a suitable liquid and the covering or sheath 30 of absorbent material will absorb or take up such liquid. The hair can then be wound around the rod or device and when the terminals 12 and 13 are connected to a source of current the heat from the resistance wire will force the moisture outwardly through the hair.

It will be evident from the construction of the device that all danger of scorching or burning the hair has been avoided by providing an air space in the device between the tube 16 containing the heating element and the perforated sheath 25.

Although certain specific embodiments of the invention have been particularly shown and described, it will be understood that the invention is capable of modification and that changes in the construction and in the arrangement of the various cooperating parts may be made without departing from the spirit or scope of the invention, as expressed in the following claims.

What I claim is:

1. A hair waving device comprising a heating element, insulating means surrounding said element, a tube surrounding said insulating means, a covering of absorbent material on said tube, and a perforated sheath surrounding and spaced from said tube and covering.

2. A device of the character described comprising a coil of high resistance heating wire, a core of insulating material in said coil, a sheath of insulating material sur-

rounding said coil, a tube surrounding said insulating sheath, a sleeve of absorbent material surrounding said tube and a perforated sheath surrounding and spaced from said tube and covering.

3. A device of the character described comprising a coil of high resistance heating wire, a core of insulating material in said coil, a sheath of insulating material surrounding said coil, a tube surrounding said insulating sheath, a covering of absorbent material on said tube, and a perforated sheath surrounding and spaced from said tube and covering.

4. A hair curler device comprising a heating element, a tube surrounding and insulated from said element, a covering of absorbent material around said tube, and a perforated sheath surrounding and spaced from said tube and tube covering.

5. A device of the character described comprising a tube having threaded ends, a heating element in said tube, a cap threaded on each end of the tube and a perforated sheath supported at its ends on said caps and spaced from said tube.

In witness whereof, I have hereunto set my hand this 23d day of March, 1926.

CHARLES S. ACKLEY.