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W. G. SHELTON

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HAIR DRIER AND THERAPEUTIC LAMP

Filed Nov. 28, 1925

Fig. 2.

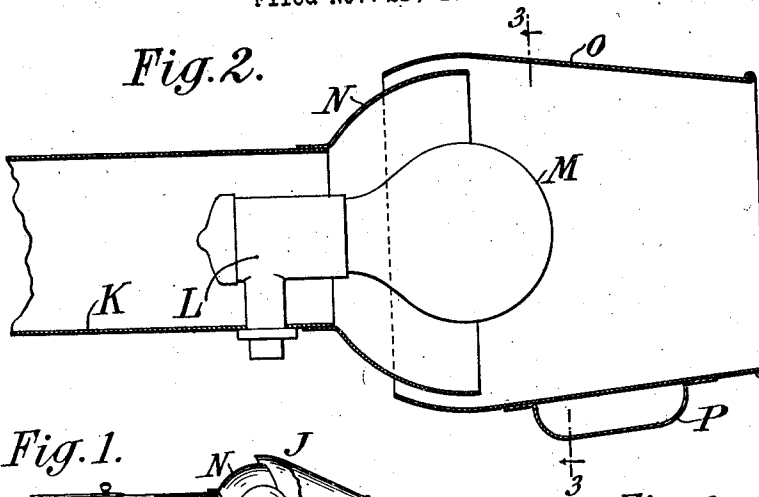


Fig. 1.

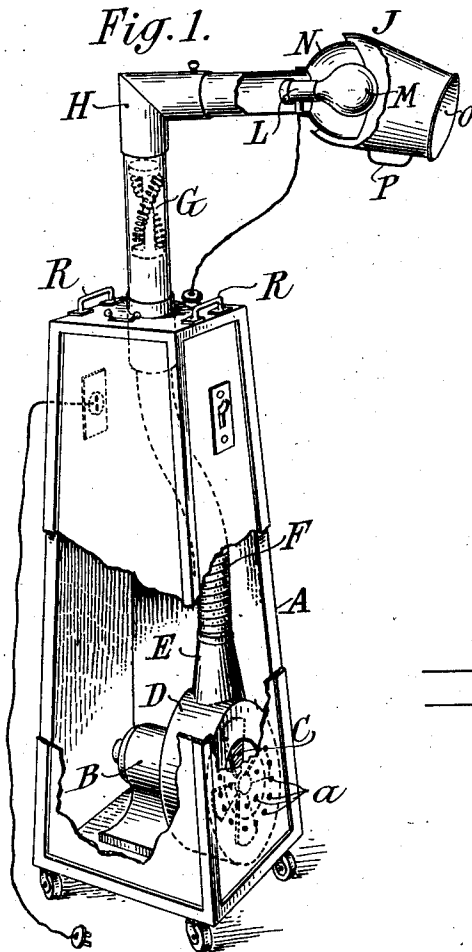


Fig. 3.

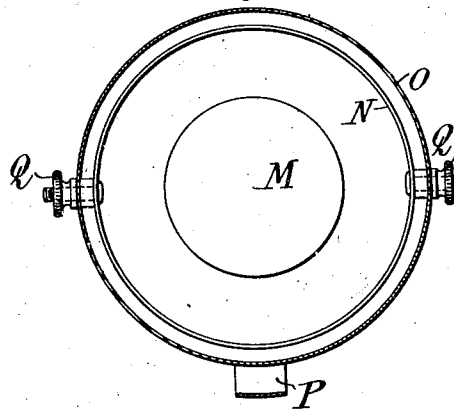
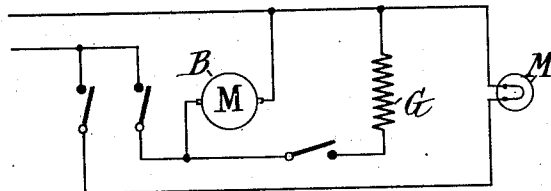


Fig. 4.



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HAIR DRIER AND THERAPEUTIC LAMP.

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This invention relates to a combined hair drier and therapeutic lamp of the type comprising an electric motor driving a fan or blower, an electric heating unit for heating the air delivered by the fan, and a therapeutic lamp, and aims to provide certain improvements therein.

Hitherto, devices of this general class have been mounted upon rolled pedestals, which, because of the height of the motor mounting and the weight of the motor, heater, etc., required an exceptionally heavy base or a base with a great spread of legs to give it stability.

According to the present invention I prefer to mount the motor and fan upon the base of a rolled cabinet and provide a conduit leading from the fan to the exterior of the cabinet through the top thereof, which conduit may have an electric heating unit therein and be further adapted to support at its free end a therapeutic lamp unit. This arrangement of parts will give great stability to the aggregate and facilitate the movements of the device from place to place without danger of upsetting the same. The cabinet may also be given an ornamental form to greatly enhance the appearance of the device.

The invention further consists in the provision of a therapeutic lamp which may be readily adjusted to various angular positions with respect to the horizontal, and which, if desired, may be mounted for quick detachable connection on the free end of the conduit. The invention also includes other features of novelty which will be hereinafter more fully described.

In the accompanying drawings I have shown a preferred embodiment of my invention wherein,

Figure 1 is a perspective view with parts thereof broken away.

Fig. 2 is a longitudinal section partly in elevation of the therapeutic lamp unit.

Fig. 3 is a transverse section taken along the line 3—3 of Fig. 2.

Fig. 4 is a diagrammatical representation of the wiring connections of my device.

Referring to the drawings, let A indicate a rolled cabinet, upon the base of which is mounted an electric motor B which drives a fan or blower C encased within a housing D provided with an air discharge nozzle E. Openings a for the intake of air for the fan are shown in the cabinet wall facing the fan.

Connected with said fan C and leading from the nozzle E through the top of the cabinet is a conduit F, adapted to deliver the air from the fan over a heating unit or therapeutic lamp, as desired, or both. The free end of the conduit F is herein shown as terminating at the top of the cabinet, but it will be understood that if desired this conduit may be extended either in an upright direction or at an angle, and may be provided with a heating unit or with a therapeutic lamp at its free end. It is preferable, however, when employing a heating unit or a therapeutic lamp, or both, to have said elements mounted upon tubular members adapted to form continuations or extensions of the conduit F.

In Fig. 1, I have shown a heating unit G which may be of any approved construction, mounted within a rigid tubular member H connected to the free end of the conduit F. I have also shown a therapeutic lamp unit J connected to the free end of the tubular member H, but obviously said unit may be directly attached to the free end of the conduit F.

The therapeutic lamp unit J is shown in detail in Fig. 2, and preferably consists of a tubular member K having mounted therein a lamp socket L adapted to receive a therapeutic lamp M. Also mounted on said member K and surrounding the lamp in spaced relation thereto is a reflector N open at its rear to permit air delivered by the fan to pass directly over the surface of the lamp M. For the purpose of manually directing the current of air which passes over the lamp M and also the reflected rays from said lamp, a second reflector O is provided, herein shown as pivotally mounted upon trunnions carried by the reflector N, the reflector O being thereby adapted for manual adjustment about a horizontal axis. For adjusting the reflector O, there is provided an operating handle P and clamping nuts Q for holding the reflector O in any adjusted position. Obviously, if desired, instead of the clamping nuts Q, spring washers or other means may be employed for providing a frictional engagement for holding the reflectors in adjusted position. The therapeutic lamp unit J is preferably adapted for quick detachable connection with the free end of the member H; any suitable means being employed to accomplish this result.

For facilitating the movement of the cabinet from place to place, handle K or any other equivalent means may be provided.

The electrical connections of the device are preferably so arranged that it will be impossible to employ the heating element G without the motor B, but such that any other combination of the motor, the lamp, the motor and lamp, or the motor heating unit and lamp may be used as desired. The wiring connections whereby any of the foregoing combinations may be realized is diagrammatically shown in Fig. 4. The switches for controlling the various elements of the device and the plug for obtaining current from the line are shown as disposed at various points about the cabinet, each at a definite location to avoid mistake in switching in any desired element.

While I have shown and described a preferred embodiment of my invention, it will

be understood that various details herein shown and described may be varied without departing from the spirit of my invention.

What I claim is:

1. In a device of the character described, a therapeutic lamp unit comprising a tubular member, a lamp socket mounted in said member, a reflector open at its rear carried by said member, and a second reflector carried by and movable with respect to the first reflector.

2. In a device of the character described, a therapeutic lamp unit comprising a tubular member, a lamp socket mounted in said member, a reflector open at its rear carried by said member, and a second reflector pivotally mounted upon and manually adjustable on the first reflector.

In witness whereof, I have hereunto signed my name.

WILLIAM G. SHELTON.