Jan. 8, 1929. 1,697,859

M. FORSBERG

HAIR DRYING DEVICE

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Fig. 1.

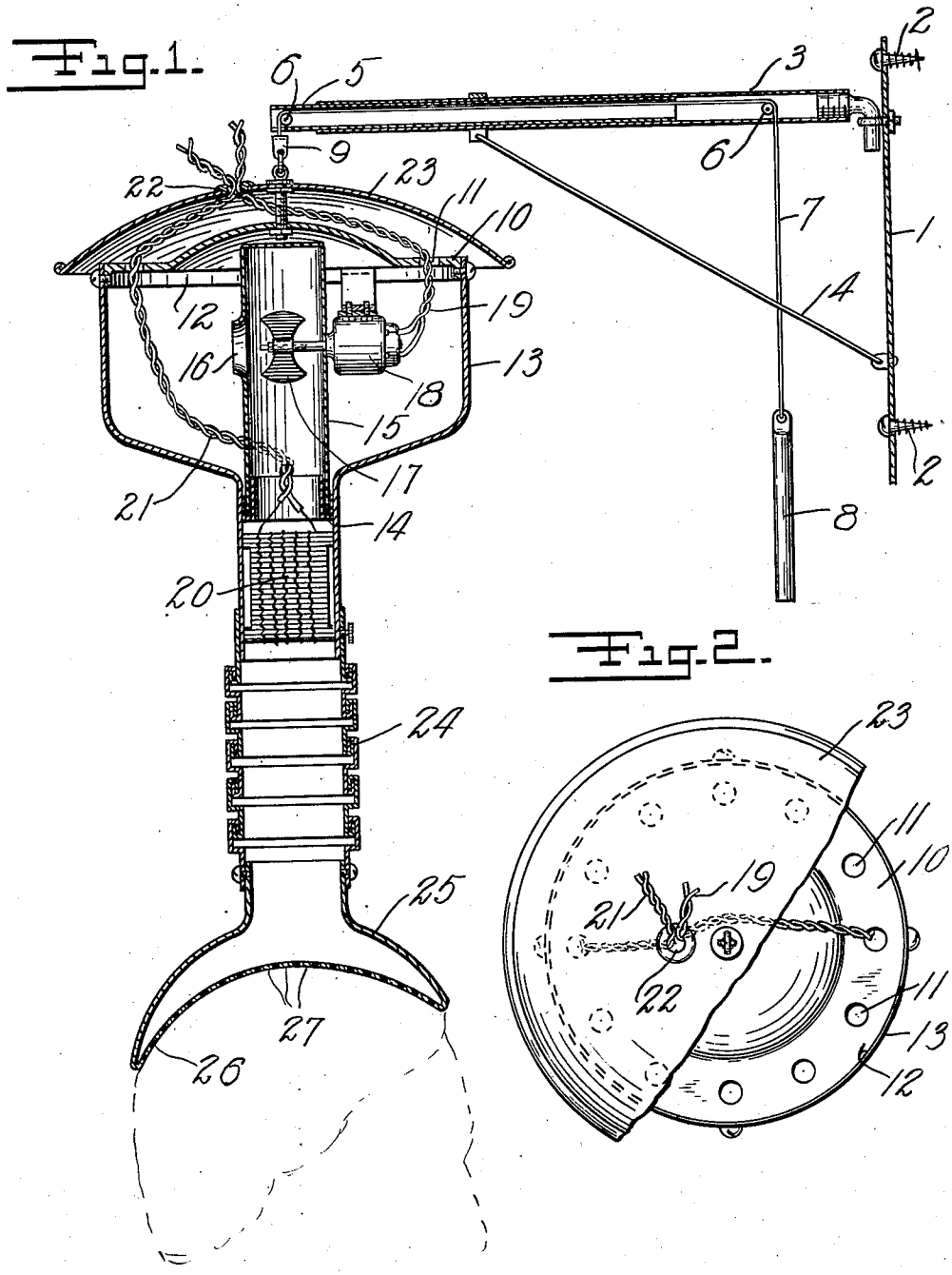


Fig. 2.

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HAIR-DRYING DEVICE.

Application filed December 10, 1923. Serial No. 679,633.

This invention relates to hair drying devices.

The objects of the invention are to provide a novel form of suspension which is adjustable and flexible, so that it may be secured between two barber's chairs so as to serve both chairs; to provide a construction which will deflect the dust from the ingress air openings of the device; and, to provide a diffusing device at the egress terminal of the device, so that the heated current of air will be diffused over the head of the subject operated on and at the same time which will keep the hair lying down close to the scalp.

The invention consists of the construction, combination and arrangements of parts as herein described and claimed. In the accompanying drawings, forming a part hereof, is illustrated a form of embodiment of the invention, in which drawings similar reference characters designate corresponding parts, and in which:

Figure 1 is a vertical section; and,

Figure 2 is a plan view, partly broken away, eliminating the suspending element of the invention.

Referring to the drawings, 1 designates a supporting plate which may be conveniently attached to a wall between two chairs as by means of the screws 2. A tubular member 3 is pivotally secured to the plate 1 and is supported by a brace 4 having its lower end pivoted to the plate 1.

A tubular member 5 is telescopically connected to the tubular member 3. By this arrangement the supporting element of the invention may be swung in a horizontal plane and extended or retracted from the wall to which the plate 1 is secured, giving flexibility and adjustability to the element suspended therefrom.

Disposed in the tubular members 3 and 5 are friction reducing members 6 over which are passed a flexible member or cable 7, on one end of which is secured a counterweight 8 and on the opposite end of which is secured a swivel 9, by means of which the suspended element may be rotated or its horizontal plane changed, making the entire construction adaptable to the varying conditions set up in the operation of drying the hair.

Carried by the swivel 9 is a supporting plate 10, provided with a plurality of peripheral openings 11, and also provided with a depending annular flange 12. Secured to the flange 12 is a depending housing 13 having a reduced lower end. Carried by the upper portion of the reduced lower end of the housing is a thimble 14 into which is set the lower end of a fan casing 15 of tubular form, provided with an air ingress opening 16.

Disposed in the tubular casing 15 is a fan 17 mounted on the shaft of a motor 18. Suitable electrical conductors 19 to the motor pass through one of the openings 11 in the supporting plate 10.

An electrical resistance 20 is disposed in the lower part of the reduced portion of the housing 13 and suitable electrical conductors 21 are connected thereto and with the conductors 19 are disposed through an opening 22 in a curved dust deflector plate 23 disposed over the entire suspended elements. The object of this baffle or plate is to prevent the direct ingress of dust into the housing 13, the current or air induced by the fan having to descend around the edge of the plate and pursue a circuitous path to pass through the openings 11 in the plate 10 to the opening 16 of the fan casing 15.

A flexible, tubular member 24, of a construction common in the art, has its upper end attached to the lower end of the housing 13, and to the lower end of the member 24 is secured the upper end of a casing 25. The casing 25 is expanded at its lower end and is formed with a floor or lower wall 26 of a contour to fit the general contour of the human head. This wall is provided with a plurality of openings 27. The openings 27 are relatively numerous and small and are designed to diffuse the current of heated air passing through the casing 25 and the floor 26 at the same time retaining the hair of the subject operated on close to the scalp.

Having thus fully described the invention, what is claimed to be new and desired to be covered by Letters Patent is:

1. A hair drying device comprising the combination of a pivotally supported, telescopic element, a casing suspended from the element, means disposed in the casing for producing a current of heated air and means for diffusing the current of air.

2. A hair drying device comprising the combination of a horizontally movable supporting means, a vertically adjustable supported means carried thereby, a casing supported by the vertically adjustable means,

and means disposed in the casing for producing and diffusing a current of air.

3. A hair drying device comprising the combination of a tubular member mounted to have a horizontal movement, a flexible member carried by the tubular member, a counter-weight on one end of the flexible member, a casing on the opposite end of the flexible member, and means in the casing for producing a current of heated air.

4. A hair drying device comprising the combination of a supporting means, a dust deflector plate carried by the supporting means, a casing carried by the supporting means below the deflector plate and spaced from the latter and means within the casing for producing a current of air.

5. In a hair drying device the combination comprising a flanged supporting plate provided with peripheral openings, a fan and a motor carried by the supporting plate, a tubular member disposed around the fan and provided with an ingress opening, a housing secured to the flange of the supporting plate, a heating element disposed in the housing and electrical connection from the motor and the heating element disposed through some of the peripheral openings.

In testimony whereof I affix my signature.

MARCUS FORSBERG.