Jan. 28, 1936. J. C. HINTZ 2,028,979

ADJUSTABLE HEAD SUPPORT

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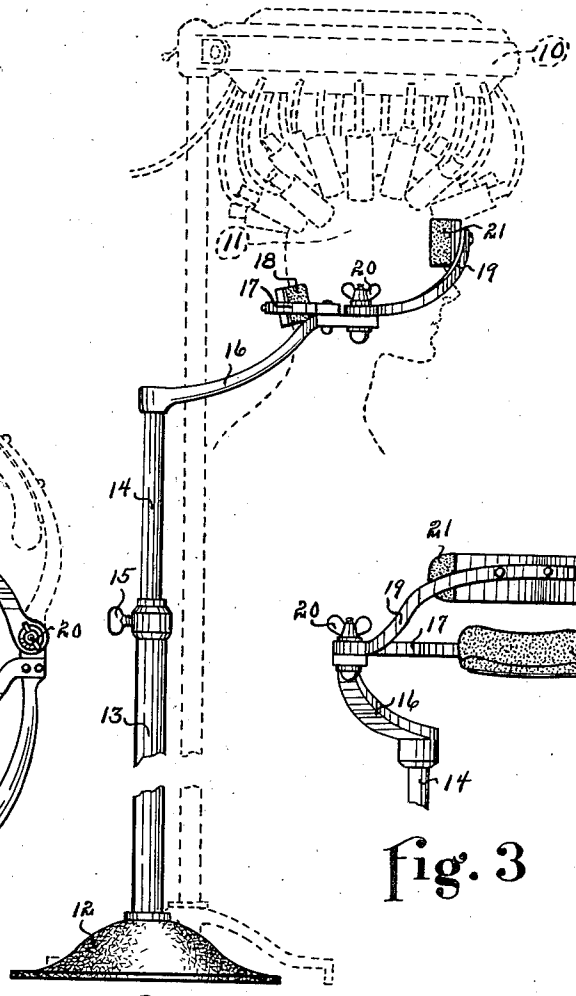


fig. 1

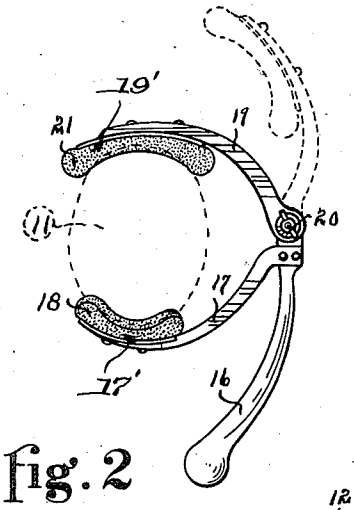


fig. 2

fig. 3

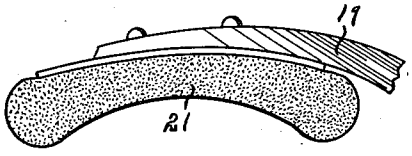


fig. 4

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ADJUSTABLE HEAD SUPPORT

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2 Claims. (Cl. 155—174)

The principal object of my invention is to provide a device that will steady and hold the head of a person getting a permanent hair wave.

A further object of this invention is to provide a head support and rest for use during the process of obtaining a permanent wave that is easily and quickly adjusted to conform with heads of various shapes and sizes.

A still further object of my invention is to provide a head support for use in connection with permanent hair waving machines that is economical in manufacture and durable in use.

These and other objects will be apparent to those skilled in the art.

My invention consists in the construction, arrangement and combination of the various parts of the device, whereby the objects contemplated are attained as hereinafter more fully set forth, pointed out in my claims and illustrated in the accompanying drawing, in which:

Fig. 1 is a side view of my complete device in use, with dotted lines showing a permanent hair waving machine and a subject receiving a permanent wave therefrom.

Fig. 2 is a top plan view of the upper portion of my apparatus and more fully illustrates its construction.

Fig. 3 is a front view of the upper portion of my device.

Fig. 4 is an enlarged top plan view of the front head engaging pad.

The obtaining of a permanent hair wave is a very tedious and prolonged experience. One of the chief reasons for this is that so much of the weight of the permanent waving equipment rests on the subject's head that it requires great effort and considerable strength to hold the head upright. The usual procedure is for the operator to manually support and hold the subject's head during the hair waving operation. This is, of course, unsatisfactory and also requires much unnecessary time of the operator. I have overcome all such objections as will hereinafter be appreciated.

Referring to the drawing, I have used the numeral 10 to generally designate a permanent hair waving machine of the electric type. The numeral 11 designates the head of a subject getting a permanent wave. I have used the numeral 12 to designate the base of my device having a hollow vertical post 13 extending upwardly therefrom, as shown in Fig. 1. Slidably and rotatably mounted in the post 13 is a shaft 14. The numeral 15 designates a thumb set screw threaded through the wall of the post 13 for engagement with the shaft 14 at times. The numeral 16 designates a supporting arm rigidly secured to the upper portion of the shaft 14. Rigidly secured at one end to the outer end portion of the arm 16 is a bracket member 17. This bracket member 17 is curved to loosely embrace the back of the head of the subject and has a curved plate 17' to which is secured by suitable means on its inner side a pad element 18 of suitable resilient material such as sponge rubber or the like.

This pad 18 is designed to engage the back lower portion of the head and is shaped accordingly, as shown in Fig. 2. In order that this pad member 18 will not only steady the head, but partially support it as well, it is set at an angle to the vertical, i. e., outwardly and upwardly, as illustrated in Fig. 1. The numeral 19 designates a second bracket member designed to loosely embrace the front portion of the head of the subject. This bracket 19 is curved to conform to the curvature of the head and is complementary to the bracket member 17. It is pivotally secured at one of its ends to the outer end portion of the arm 16 by the thumb screw 20. The numeral 19' designates a curved plate secured to the bracket 19. The numeral 21 designates a front pad element rigidly secured to the inner side of the curved plate 19'. This pad 21 is designed to engage the forehead of the subject and is shaped accordingly. To accomplish the engagement of the forehead by this pad 21 it is necessary to position it in a plane substantially above the horizontal plane of the pad 18. This is made possible by bending the arm 19 upwardly, as shown in Fig. 3.

The practical operation of the device is as follows: The device is moved up adjacent the subject, as shown in Fig. 1, with the pad 18 at the back of the head. With the set screw 15 loosened, the shaft 14 is manually lowered or raised to bring the pad 18 to the desired height. By rotating the shaft 14 the supporting arm 16 will be properly positioned relative to the sitting position of the subject. After the shaft has been placed in the desired position the screw 15 is manually tightened for preventing any undesirable movement of the shaft 14 relative to the base and post. After the pad 18 has been placed and rigidly positioned at the back of the head of the subject the bracket member 19 is swung inwardly to bring the pad 21 into contact with the forehead of the subject, after which the thumb screw 20 is tightened for preventing any outward movement of

the bracket member 19 relative to the bracket member 17.

With the pad elements 18 and 21 engaging the back portion and front portion of the head respectively, the head of the subject will be successfully supported and held, thereby affording comfort to the subject and releasing the operator of the permanent waving machine for other duties. It will also be found that my device is highly desirable during the blocking of the hair and before the heating elements of the permanent waving machine are placed on the hair, as the device will hold the head of the subject in rigid position, thereby making it much easier for the operator to prepare the hair.

To remove the device from the head of the subject it is merely necessary to loosen the thumb screw 20 and swing the bracket member 19 outwardly, as shown by dotted lines in Fig. 2.

By locating the pad 18 low on the back portion of the head of the subject and the pad 21 on the forehead of the subject, the device will in no way interfere with the procedure of giving the permanent wave. For sanitary purposes, covers may be provided for the pads 18 and 21. By the bracket member 19 being hingedly attached, the device may be easily and quickly attached to the head of a subject and the variation in the size or shape of heads of various subjects may automatically be compensated for. In some instances it may be desired to rigidly secure my complete device to the permanent waving machine. This may be accomplished by slidably and rotatably securing the supporting arm to and around the supporting post of the permanent waving machine.

In order that the pads 18 and 21 will more securely hold the head of the subject, I have formed each of them thicker at their outer ends than they are near their central portions, as shown in the drawing.

Some changes may be made in the construction and arrangement of my improved adjustable head support and rest for use in connection with permanent hair waving machines without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claims any modified forms of structure or use of mechanical equivalents which may be reasonably included within their scope.

I claim:

1. In a device of the class described, a supporting post, an arm extending forwardly and upwardly from said post, a curved bracket element extending rearwardly and laterally and rigidly secured to said arm, a curved plate on said bracket element, a pad member on the inner side of said curved plate at an angle to the vertical and designed to engage the back lower portion of the head of the user, a second curved bracket element hinged to said arm adjacent the first bracket element to swing horizontally and extending upwardly and forwardly and laterally to an elevation substantially above the elevation of said first-mentioned bracket element, a curved plate on said second curved bracket element and positioned in a horizontal plane substantially above the horizontal plane of said first-mentioned plate, a pad member on the inner side of said second curved plate designed to engage the forehead of the user, and a means for locking said second bracket element against independent movement relative to said arm.

2. In a device of the class described, a supporting post, an arm extending forwardly and upwardly from said post, a curved bracket element extending rearwardly and laterally and rigidly secured to said arm, a pad member operatively secured on the inner side of said curved bracket member extending at an angle to the vertical and designed to engage the back lower portion of the head of the user, a second curved bracket element hinged to said arm adjacent the first bracket element to swing horizontally and extending upwardly and forwardly and laterally to an elevation substantially above the elevation of said first-mentioned bracket element, a pad member operatively secured on the inner side of said second curved bracket element designed to engage the forehead of the user and positioned in a plane substantially above the plane of the first-mentioned pad member, and a means for locking said second bracket element against independent movement relative to said arm.

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