Dec. 26, 1961 A. K. WELD 3,014,220

HEADDRESS FRAME

Filed March 14, 1960 2 Sheets-Sheet 1

FIG. 1.

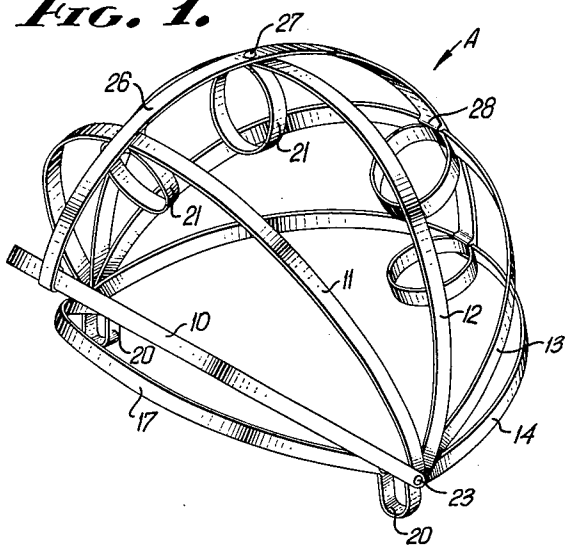


FIG. 2.

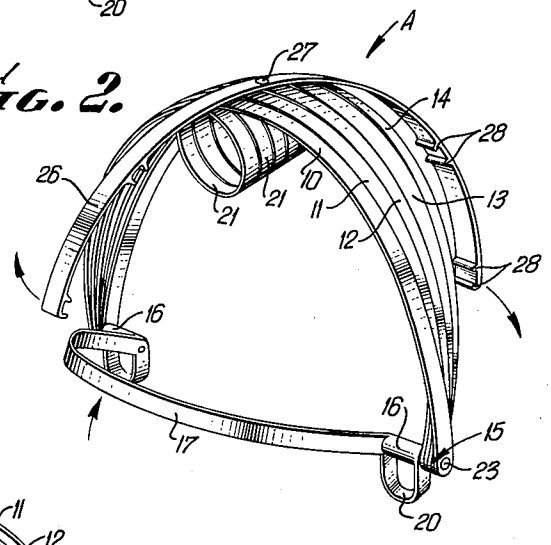
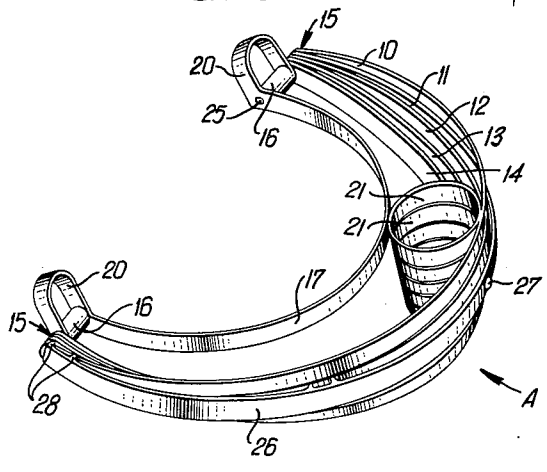


FIG. 3.



INVENTOR.
AILEEN K. WELD
BY
Bernard Kriegel
ATTORNEY.

Dec. 26, 1961 A. K. WELD 3,014,220

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Filed March 14, 1960 2 Sheets-Sheet 2

FIG. 4.

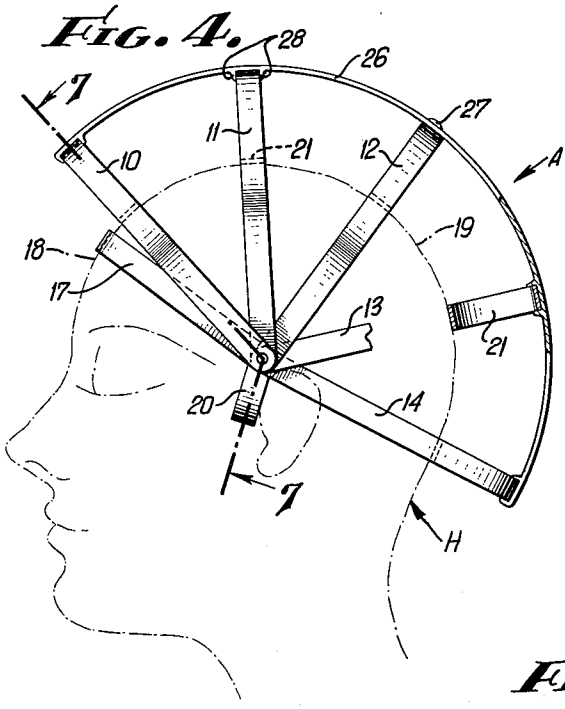


FIG. 7.

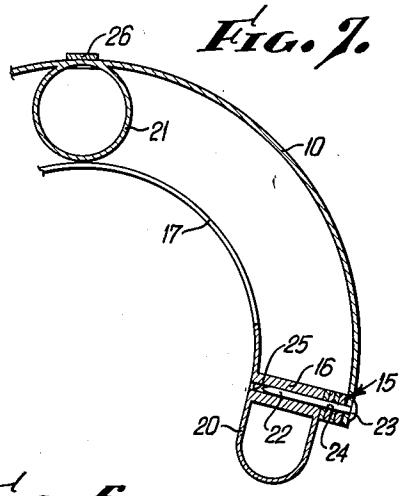


FIG. 5.

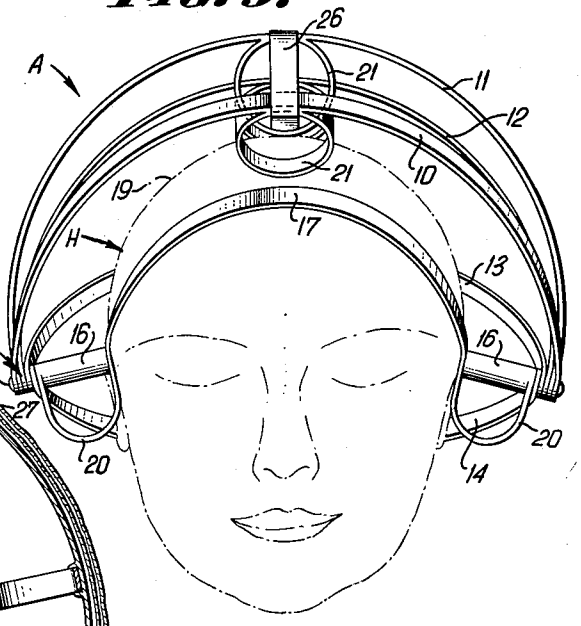
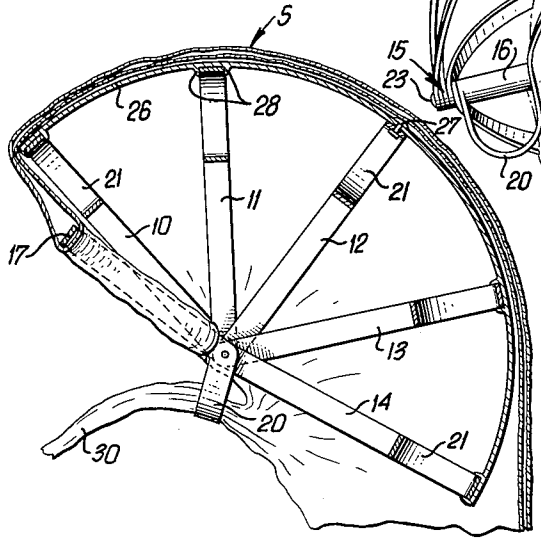


FIG. 6.



INVENTOR.
AILEEN K. WELD
BY
Bernard Kriegel
ATTORNEY.

United States Patent Office

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HEADDRESS FRAME

Aileen K. Weld, 8818 Hollywood Blvd., Los Angeles, Calif.

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9 Claims. (Cl. 2—171)

The present invention relates to devices to be applied to heads of persons, and more particularly to headdress frames adapted to be worn by a person, and to which covering can be applied.

Some women protect their hair from the wind and sun by enclosing it in scarfs, and the like. However, such scarfs and corresponding coverings tend to press the hair, particularly hair styles that are fluffy or bouffant.

An object of the invention is to provide a headdress frame worn on the head of a person that enables a scarf to enclose the person's hair without substantially crushing or otherwise harming the hair style.

Another object of the invention is to provide a headdress frame for supporting a scarf enclosing the hair of a person, in which the frame is easily folded when not in use, so as to occupy relatively little storage space.

A further object of the invention is to provide a headdress frame which is of strong and sturdy construction, relatively light in weight, and comfortable to the wearer.

This invention possesses many other advantages, and has other objects which may be made more clearly apparent from a consideration of a form in which it may be embodied. This form is shown in the drawings accompanying and forming part of the present specification. It will now be described in detail, for the purpose of illustrating the general principles of the invention; but it is to be understood that such detailed description is not to be taken in a limiting sense, since the scope of the invention is best defined by the appended claims.

Referring to the drawings:

FIGURE 1 is an isometric projection of a headdress frame in assembled position;

FIG. 2 is a view similar to FIG. 1 illustrating the headdress frame in partially folded condition;

FIG. 3 is an isometric projection of the headdress frame in fully folded condition;

FIG. 4 is a side elevational view of the headdress frame, with parts broken away, as applied to the head of a person;

FIG. 5 is a front view of the device shown in FIG. 4;

FIG. 6 is a vertical section through the headdress frame with a scarf applied thereto;

FIG. 7 is an enlarged section taken along the line 7—7 on FIG. 4.

The headdress frame A illustrated in the drawings is adapted to be placed on the head H of a person so as to support a scarf S, or the like, in spaced relation to the person's head, so that the scarf, when tied or otherwise secured in position, will not crush the hair. As a result, the hair style, particularly styles of a fluffy or bouffant nature, are not disturbed, and will be found in proper condition when the scarf and headdress frame are removed from the head.

The headdress frame A is of skeletonized construction and is made of articulated parts so as to be folded when not in use and thereby occupy comparatively little space. It can be unfolded to form a supporting frame over the hair of the person. As shown, the frame includes a plurality of transverse arcuate ribs or bands 10, 11, 12, 13, 14, each band being substantially semi-circular and being made of a flexible material, such as a suitable synthetic resin. The ends 15 of the flexible ribs are in overlapping relation with respect to each other and are pivotally secured to opposed laterally extending bosses 16 of a head band 17 shaped to conform generally to the forehead 18 of a person. The forehead rib or band 17 has a much smaller radius of curvature than the other transverse ribs or bands 10—14, such that the transverse ribs or bands 10—14 will be spaced outwardly from the scalp 19 of a person when the headdress frame is mounted on the person's head.

As shown, the ends of the head band 17 have outwardly directed spacer bosses 16 integral therewith, such bosses being integral with loops 20 that extend at an angle to the head band portion 17, the loops projecting downwardly along the sides of the head 14 from the bosses when the frame is placed on the wearer's head. Each boss 16 extends transversely a sufficient distance so as to place the end portions 15 of the transverse ribs 10—14 the desired distance outwardly of the scalp 19 of the person. Assurance is had that each rib 10—14 will be appropriately spaced from the person's scalp throughout its length by providing head spacer members 21 integral with the central portion of each rib and extending inwardly thereof. As shown, each spacer member 21 may be formed as an annulus or ring and extends inwardly of each rib by a distance corresponding to the extent at which the ribs 10—14 are to be spaced from the person's scalp.

The transverse ribs 10—14 are pivotally secured with respect to one another and to the spacer bosses 16 by hinge or pivot pins 22, the outer heads 23 of which bear against one of the transverse ribs 10, the shank portion of each pin extending through holes 24 in the ends of all of the ribs and being disposed within a hole 25 in a spacer boss, to which it is suitably secured, as by frictionally engaging the wall of the hole. By virtue of the fact that the transverse ribs 10—14 are pivotally mounted with respect to one another, they can be folded against one another as disclosed in FIGS. 2 and 3. For that matter, the head band 17 can also be folded with respect to the transverse ribs, this head band being capable of passing under the central spacer portions or rings 21.

The transverse ribs or bands 10—14 are unfolded whenever the headdress frame A is to be applied to a person's head H, their central portions being appropriately held in spaced relation forwardly and rearwardly of the person's head by a longitudinal arcuate retaining and spacing rib or band 26 which is also of generally arcuate shape and which is pivotally connected to the central portion of one of the transverse ribs, such as the middle rib 12, by a suitable pivot pin 27 that extends through the longitudinal rib 26 and through the central portion of the transverse rib 12. This longitudinal rib has pairs of holding or retaining lugs 28 integral with and extending inwardly thereof at desired spaced distances from one another along the length of the rib 26. The spacing between the retaining lugs or elements 28 of each set conforms to the width of a transverse rib 10—14.

The transverse ribs 10—14 are unfolded with respect to one another and the longitudinal retaining and spacing rib 26 is then swung about the intermediate transverse rib 12 until it occupies a position substantially at right angles thereto. The other ribs 10, 11, 13, 14 can then be separated from one another, the central portion of each other transverse rib being snapped into the space between a set of lugs 28, the lugs frictionally gripping the side edges of the transverse rib. Since the sets of lugs 28 are appropriately spaced from one another, the locating of each transverse rib in a set of lugs in proper sequence will produce the headdress frame A illustrated in FIG. 1. For example, the transverse rib 10 having its ends in the outermost position on the pivot pins 22 will be received between the set of lugs 28 forwardly of the longitudinal rib 26; whereas the transverse rib 14 having its ends adjacent to the spacer bosses 16 will be gripped by the spacer lugs 28 at the rear of the longi-

tudinal rib 26. The second transverse rib 11 will be gripped between the spacer lugs 28 intermediate the forward end of the longitudinal rib 26 and the pivot pin 27; while the transverse rib 13 having its ends adjacent to the rearmost transverse rib 14 will be gripped between the set of lugs 28 between the pivot pin 27 and the rear end of the longitudinal retaining and spacing rib.

With the frame assembled in the manner above described, and as shown in FIG. 1, the head band 17 can still be pivoted about the common axis of the pins 22 with respect to the remainder of the headdress frame without affecting the assembled position of the longitudinal and transverse ribs or bands 10—14, 26.

In wearing the headdress frame A with a scarf S applied thereto, the scarf is placed through the head band 17 to assume a triangular form with the points of the triangle then being folded back over the exterior of the ribs 10—14, 26. The side corners 30 of the folded scarf are then pulled through the scarf loops 20 and the headdress A with the scarf S disposed on its exterior, as shown in FIG. 6, is then placed on the head H of the person. The end portions 20 of the head band 17 will engage the sides of the head and the head band can be adjusted with respect to the remainder of the frame so as to lie comfortably in the proper position adjacent to the forward portion or forehead 18 of the person's head. The central spacer members 21, which are spaced from one another forwardly and rearwardly of the person's head, will engage the hair at spaced points and will only press upon the hair at such points, the spacer members being closely adjacent to the scalp of the person. The main portions of the headdress frame, however, and the scarf, are spaced outwardly of the scalp 19 by a substantial distance, which is sufficient to enclose the person's hair without exerting any inward force thereon, such as would adversely affect the bouffant condition of the hair. The sides 30 of the scarf are then brought under the person's chin and may be tied to one another to hold the scarf in place, as well as the entire frame A on the person's head. The result is the appropriate protection by the scarf S of the person's hair, preventing it from being windblown, or otherwise harmed by the elements, the scarf substantially fully enclosing the frame A so that it is not visible to the observer. The result is a protective arrangement for the hair, which provides an exceedingly pleasing appearance.

When the headdress A is not to be worn any longer, the scarf S is untied from under the chin of the person and the entire headdress is removed from the head. The scarf is withdrawn from the head band 17 and the longitudinal rib 26 deflected away from the transverse ribs 10, 11, 13, 14 so as to unsnap the lugs 28 from such ribs. The transverse members 10—14 can then be folded against one another, such as shown in FIG. 2, whereupon the longitudinal rib 26 can be swung on its pivot 27 to lie generally alongside the transverse rib. The head band 17 can then be swung inwardly to a position under one of the transverse ribs, the headdress frame then occupying the fully folded position illustrated in FIG. 3. Such a compact folded condition enables the entire frame A to be easily stored, as in the glove compartment of an automobile, occupying a minimum of room, as compared to the space required when the headdress frame is in an assembled condition to be placed upon a person's head.

I claim:

1. In a headdress frame to be applied to a person's head: a plurality of curved transverse ribs pivotally secured to one another at their end portions; a longitudinal rib extending at a substantial angle to said transverse ribs and secured thereto to hold said transverse ribs in spaced relation along said longitudinal rib; spacer members secured to and extending inwardly of said transverse ribs and adapted to engage the person's head to hold said transverse ribs a substantial distance away from the person's head; and a rib pivotally secured to said transverse ribs about the pivot axis of said transverse ribs and adapted to lie closely adjacent to the person's forehead when said spacer members engage the person's head; said transverse ribs and forehead rib being foldable adjacent to one another with said forehead rib disposed under a spacer member.

2. In a headdress frame to be applied to a person's head: a plurality of curved transverse ribs pivotally secured to one another at their end portions; a longitudinal rib extending at a substantial angle to said transverse ribs and detachably secured thereto to hold said transverse ribs in spaced relation along said longitudinal rib, detachment of said longitudinal rib allowing said transverse ribs to be folded adjacent to one another; and spacer members secured to and extending inwardly of said transverse ribs and adapted to engage the person's head to hold said transverse ribs a substantial distance away from the person's head.

3. In a headdress frame to be applied to a person's head: a plurality of curved transverse ribs pivotally secured to one another at their end portions; a longitudinal rib extending at a substantial angle to said transverse ribs and detachably secured thereto to hold said transverse ribs in spaced relation along said longitudinal rib, detachment of said longitudinal rib allowing said transverse ribs to be folded adjacent to one another; spacer members secured to and extending inwardly of said transverse ribs and adapted to engage the person's head to hold said transverse ribs a substantial distance away from the person's head; and a rib pivotally secured to said transverse ribs at their end portions and adapted to lie closely adjacent to the person's forehead when said spacer members engage the person's head; said transverse ribs and forehead rib being foldable adjacent to one another with said forehead rib disposed under a spacer member.

4. In a headdress frame to be applied to a person's head: a plurality of curved transverse ribs pivotally secured to one another at their end portions; a longitudinal rib pivotally secured to one of said transverse ribs; means detachably securing said longitudinal rib to the other of said transverse ribs to hold said transverse ribs in spaced relation along said longitudinal rib; and spacer members secured to and extending inwardly of said transverse ribs and adapted to engage the person's head to hold said transverse ribs a substantial distance away from the person's head.

5. In a headdress frame to be applied to a person's head: a plurality of curved transverse ribs pivotally secured to one another at their end portions; a longitudinal rib pivotally secured to one of said transverse ribs; means detachably securing said longitudinal rib to the other of said transverse ribs to hold said transverse ribs in spaced relation along said longitudinal rib; spacer members secured to and extending inwardly of said transverse ribs and adapted to engage the person's head to hold said transverse ribs a substantial distance away from the person's head; and a rib pivotally secured to said transverse ribs at their end portions and adapted to lie closely adjacent to the person's forehead when said spacer members engage the person's head.

6. In a headdress frame to be applied to a person's head and adapted to be enclosed by a scarf: a plurality of curved transverse ribs secured to one another at their end portions; a longitudinal rib extending at a substantial angle to said transverse ribs and secured thereto to hold said transverse ribs in spaced relation along said longitudinal ribs; spacer members secured to and extending inwardly of said transverse ribs and adapted to engage the person's head to hold said transverse ribs a substantial distance away from the person's head; a scarf holding transverse rib secured to said other transverse ribs and adapted to lie closely adjacent to the person's forehead when said spacer members engage the person's head; one of said transverse ribs having side loops through which

portions of a scarf can pass and adapted to engage the sides of the person's head to space transverse ribs a substantial distance away from the person's head.

7. In a headdress frame to be applied to a person's head and adapted to be enclosed by a scarf: a plurality of curved transverse ribs secured to one another at their end portions; a longitudinal rib extending at a substantial angle to said transverse ribs and secured thereto to hold said transverse ribs in spaced relation along said longitudinal ribs; spacer members secured to and extending inwardly of said transverse ribs and adapted to engage the person's head to hold said transverse ribs a substantial distance away from the person's head; a scarf holding transverse rib secured to said other transverse ribs and adapted to lie closely adjacent to the person's forehead when said spacer members engage the person's head; said scarf holding rib having side loops through which portions of a scarf may pass and adapted to engage the sides of the person's head to space transverse ribs a substantial distance away from the person's head.

8. In a headdress frame to be applied to a person's head and adapted to be enclosed by a scarf: a forward scarf holding flexible transverse rib adapted to lie closely adjacent to the person's forehead; side bosses extending transversely in opposite directions from the ends of said rib; a plurality of curved, transverse ribs having their end portions pivotally secured to said bosses; a longitudinal rib pivotally secured to the central portion of one of said transverse ribs and adapted to be swung to a position substantially at right angles to said transverse rib to lie across the central portions thereof; spaced means secured to said longitudinal rib and adapted to engage the central portions of the other of said transverse ribs to secure said longitudinal rib to said other transverse ribs with said central portions of said transverse ribs in spaced relation to one another along said longitudinal rib; and spacer members secured to and extending inwardly of the central portions of said transverse ribs and adapted to engage the person's head to hold said

transverse ribs a substantial distance away from the person's head.

9. In a headdress frame to be applied to a person's head and adapted to be enclosed by a scarf: a forward scarf holding flexible transverse rib adapted to lie closely adjacent to the person's forehead; side bosses extending transversely in opposite directions from the ends of said rib; a plurality of curved transverse ribs having their end portions pivotally secured to said bosses; a longitudinal rib pivotally secured to the central portion of one of said transverse ribs and adapted to be swung to a position substantially at right angles to said transverse rib to lie across the central portions thereof; spaced means secured to said longitudinal rib and adapted to engage the central portions of the other of said transverse ribs to secure said longitudinal rib to said other transverse ribs with said central portions of said transverse ribs in spaced relation to one another along said longitudinal rib; and spacer members secured to and extending inwardly of the central portions of said transverse ribs and adapted to engage the person's head to hold said transverse ribs a substantial distance away from the person's head; said scarf holding rib having side loops extending downwardly from said bosses through which portions of a scarf can pass.

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